Bryce L. Shriver Senior Vice President and Chief Nuclear Officer PPL Susquehanna, LLC 769 Salem Boulevard Berwick, PA 18603 Tel. 570.542.3120 Fax 570.542.1504 blshriver@pplweb.com



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

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July, 2003

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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	Manufacturer or	Manufacturer or	【新雄子品的物品》 化焦度化的 充矿 人名马尔尔 计记录器 无规则是非常的复数形式	National Board No.
<b>appurtenance</b>	Installer		: 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 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)

5. Commercial Service Date:

red) N/A

6. National Board for Unit

N/A

2/12/85

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

#### 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 Joly 2 2003 Signed PPL SUSQUEHANNA, LLC by 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 \_\_\_\_\_\_ 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

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 NB7980 A.N.I.B.NS / PAZZO4

National board, State, Province and No.

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

#### INTRODUCTION Α.

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.

- SSES Unit 2 began commercial operation on February 12th 1985. The unit was shut down for its 1. 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:

1<sup>st</sup> Period: June 1, 1994 to June 1, 1997 2<sup>nd</sup> Period: June 2, 1997 to January 1, 2001 3<sup>rd</sup> 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**
- Each of these sections is handled as a separate entity within this report. All required information 4. 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  $2-11^{th}$  RIO volumetric and surface examinations was General Electric Co. of Huntersville, North Carolina. The NDE contractor for the Unit  $2-11^{th}$  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. <u>Code Compliance Summary</u>

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  $2 - 11^{th}$  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	SURSYS	PERCENT
DCA2091-FW-1	C-F-1	C5.11	1.4200	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  $2 - 11^{th}$  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. <u>Successive Inspections</u>

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 U2-11<sup>th</sup> 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	U2-11 <sup>TH</sup>	VT-3
HV2F022B	83	B-M-2	B12.50	0WD	3/27/03	U2-11 <sup>TH</sup>	VT-3
HV2F022C	83	B-M-2	B12.50	0WD	3/27/03	U2-11 <sup>TH</sup>	VT-3
HV2F022D	83	B-M-2	B12.50	0WD	3/27/03	U2-11 <sup>TH</sup>	VT-3
HV2F028A	83	B-M-2	B12.50	0WD	3/16/03	U2-11 <sup>TH</sup>	VT-3
HV2F028B	83	B-M-2	B12.50	0WD	3/18/03	U2-11 <sup>TH</sup>	VT-3
HV2F028C	83	B-M-2	B12.50	0WD	3/16/03	U2-11 <sup>TH</sup>	VT-3
HV2F028D	83	B-M-2	B12.50	0WD	3/17/03	U2-11 <sup>TH</sup>	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.

COMPID	DESCRIPTION	SYSTEM	ACT EXAM	RESULTSI
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 U2-11<sup>th</sup> RIO as a result of having been re-worked in the U2-10<sup>th</sup> RIO. This hanger had been inspected in the U2-10<sup>th</sup> 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  $2-11^{th}$  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. <u>Code Compliance Summary</u>

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 ≥ 0.005	Install Spring Wedge in 3, UAI for 10 and 13

#### 4. <u>Limited Examinations</u>

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  $2-11^{th}$  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 U2-11<sup>th</sup> 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 2-11<sup>th</sup> 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 - 11<sup>th</sup> 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 IN	SERVICE & FU	NCTIONAL LEAK TES	THYTTEMASE
FEEDWATER	2	C-H	SE-245-301
RHR	2	С-Н	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	С-Н	SE-253-301
CRD	2	С-Н	SE-255-301
MAIN STEAM	2	С-Н	SE-283-311
RHRSW	3	D-B	SE-216-301
ESW	3	D-A	SE-254-301

#### 2. <u>Code Compliance Summary</u>

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. <u>Incomplete Examinations</u>

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  $2-11^{th}$  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. <u>Code Compliance Summary</u>

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

#### 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** 

<u>75</u>

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

SIZE	POPUL ATION	INITIAL SAMPLE	FAIL URE		FAIL URE	SECOND EXP		THIRD EXP	FAIL URE		
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

			SCHEDULEI	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
PSB05	0	0	0	0	0	0	0
PSB12	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-1/2 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. <u>Incomplete Examinations</u>

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- $11^{th}$  RIO. The next scheduled Visual Inspection Surveillance is for the Unit  $2-12^{th}$  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 2-11<sup>th</sup> 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:

<b>GROUP</b>	<b>DESCRIPTION (% EROSION)</b>	<b>COMPONENTS</b>
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:

% EROSION =(NOMINAL THICKNESS) - (MEASURED THICKNESS)
(NOMINAL THICKNESS) - (MINIMUM THICKNESS) X 100

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

	pipe repair/replacement		ed during UZ-11 RIU:	
CONDITION REPORT #	COMPONENT #	E/C	<b>DISPOSITION</b>	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. <u>Incomplete Exams</u>

None.

### UNIT 2 – 11<sup>TH</sup> 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 2-12<sup>th</sup> RIO.

#### **Summary**

Appendix E provides a detailed description, location, and erosion rate of all components examined during Unit 2-11<sup>th</sup> 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  $2 - 10^{th}$  RIO (breaker close) to the end of the Unit  $2 - 11^{th}$  RIO (breaker close).

#### 2. <u>Code Compliance Summary</u>

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<sub>1</sub> and R<sub>2</sub> 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 U2-11<sup>th</sup> RIO are numbered 9911001 thru 9911029.

#### 2. <u>Code Compliance Summary</u>

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% <sup>1</sup>
E-G	VT-1	8	8	100%
L-A	VT-3C	28	28	100%¹
E-D	VT-3	1	1	100%

<sup>1</sup>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. <u>Incomplete Examinations</u>

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 reexamination 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 - 11<sup>th</sup> RIO. The remote inspections were performed on Examination Category E-A, L-A components.

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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.)

# 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-A Deferred Exams

		# of	Total		# Exams Completed						% Exams Completed				
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%	

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

#### Category B-A NonDeferred Exams

		# of	Total		# Exams Completed							% Exams Completed				
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max		Per 3	% 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

		# of	Total	_	# Exams Completed						% Exams Completed				
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%	

<sup>\*</sup> 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

# 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-E Deferred Exams

		# of	Total				# Exams Co	mplete	d			% Exams	Completed	
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%
В-Е	B4.12	185	46	N/A	0	N/A	N/A	0	N/A	46	24.86%	0.00%	0.00%	100.00%
В-Е	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%

<sup>1. (</sup>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

		# of	Total				# Exams Co	mplete	<u>1</u>	•		% Exams	Completed	
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

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

# 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-G-1 Deferred Exams**

		# of	Total				# Exams Co	mpleted	1			% Exams	Completed_	
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

<sup>1. (</sup>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.

#### Category B-G-2 Deferred Exams

		# of	Total		_		# Exams Co	mpleted	1			% Exams	Completed	
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

<sup>1. (</sup>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.

<sup>2. (</sup>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.

# SUSQUEHANNA SES UNIT 2 ASME SECTION XI EXAMINATION STATUS REPORT

6/27/2003

(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-G-2 NonDeferred Exams

		# of	Total				# Exams Co	mplete	d			% Exams	Completed	
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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

		# of	Total				# Exams Co	mplete	d			% Exams	Completed	
	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

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#### Category B-K NonDeferred Exams

		# of	Total				# Exams Co	mplete	đ			% Exams	Completed	
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
В-К	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%
В-К	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%

<sup>1. (</sup>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.

#### Category B-L-2 Deferred Exams

	# of	Total				# Exams Co	mplete	1			% Exams	Completed	
Cat'y Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

<sup>1. (</sup>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**

	# of	Total				# Exams Co	mplete	1			% Exams	Completed	
Cat'y Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

<sup>1. (</sup>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.

<sup>2. (</sup>B10.20) Components are classified and scheduled in accordance with Code Case N-509.

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#### Category B-N-1 NonDeferred Exams

	# of	Total				# Exams Co	mplete	d			% Exams	Completed	
Cat'y Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

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

#### Category B-N-2 Deferred Exams

		# of	Total	_			# Exams Co	mpleted	1			% Exams	Completed	
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

<sup>1. (</sup>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

		# of	Total			_	# Exams Co	mplete	d			% Exams	Completed	
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

<sup>1. (</sup>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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#### Category C-A NonDeferred Exams

		# of	Total				# Exams Co	mplete	% Exams Completed					
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

<sup>1. (</sup>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

		# of	Total				# Exams Co	mplete	% Exams Completed					
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%
С-В	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%

<sup>1.</sup> 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.

#### Category C-C NonDeferred Exams

		# of	Total				# Exams Co	mplete	% Exams Completed					
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

<sup>1. (</sup>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.

<sup>2. (</sup>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.

<sup>2. (</sup>C3.20) Components are classified and scheduled in accordance with Code Case N-509.

### SUSQUEHANNA SES UNIT 2 ASME SECTION XI EXAMINATION

<u>IE SECTION XI EXAMINATIO</u>

STATUS REPORT

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

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#### Category C-F-1 NonDeferred Exams

		# of	Total		# Exams Completed							% Exams Completed					
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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

		# of	Total				# Exams Co	mplete	d		% Exams Completed						
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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

		# of	Total				# Exams Co	mplete	% Exams Completed					
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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

		# of	Total				# Exams Co	mplete	% Exams Completed					
Cat'y	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% 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%

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

6/27/2003

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6/27/2003

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#### Category F-A NonDeferred Exams

		# of	Total				# Exams Co	mplete	ì			% Exams	Completed	
Cat'y	Item No.	Comp	Selected	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%

<sup>1. (</sup>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.

SUMM-9 Revision: 0

# APPENDIX B

# ASME SECTION XI AND AUGMENTED EXAMINATION DETAILED LISTING

Unit 2

ISI Identifier	Line Number		ion XI	Inspection	Required	1	Actual	Results		Date	Inspection Comments
Description		Cat.	Item	Reason	Exam	Coverage	Exam		Number		
2P202D-361-4-6 E-FL		C-G	C6.10	ΧI	SUR	100	SUR	NRI	493001	3/12/2003	
2P202D-361-5-8 PLT-SH		C-G	C6.10	ΧI	SUR	100	SUR	NRI	493002	3/11/2003	
2P203-FW-1 RCIC Pump Discharge Nozzle	Weld	C-G	C6.10	ΧI	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	ΧI	SUR	100	МТ	NRI	513001	3/10/2003	
2P206D-361-5-8 PLT-SH		C-G	C6.10	ΧI	SUR	100	MT	NRI	513002	3/10/2003	
2P206D-361-5-L LS(ADJ 361-5-8)		C-G	C6.10	ΧI	SUR	100	MT	NRI	513003	3/10/2003	
AF (240-360) Flange SC5-VFLG(240-360)		B-A	B1.30	ΧI	VOL	100	UT	NRI	623001	3/10/2003	
AG (240-360) TPHEAD-FLG(240-360)		B-A	B1.40	ΧI	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	ΧI	VOL	100	VOL	NRI	623004	3/21/2003	
CG		в-к	B10.1 0	ΧI	SUR	100	SUR	NRI	623005	3/27/2003	240 - 360 degrees (U211RIO)
CRD-02-19 CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623150	4/15/2003	
CRD-02-23 CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623151	4/15/2003	
CRD-02-27 CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623152	4/15/2003	
CRD-02-27-B-A		В-О	B14.1 0	XI	SUR	100	SUR	NRI	623006	3/26/2003	
TUBE B-TUBE A			U								
CRD-02-31 CRD PEN		B-E	B4.12	ΧI	VT-2	•	VT-2	NRI	623153	4/15/2003	

Unit 2

ISI Identifier Description	Line Number	Secti Cat.	ion XI Item	Inspection Reason		Code Coverage		Results	Report Number	Date	Inspection Comments
CRD-02-35 CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623154	4/15/2003	
CRD-02-39 CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623155	4/15/2003	
CRD-02-43 CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623156	4/15/2003	
CRD-06-15 CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623157	4/15/2003	
CRD-06-47 CRD PEN		B-E	B4.12	XI 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		В-О	B14.1 0	ΧI	SUR	100	SUR	NRI	623007	3/26/2003	
TUBE B-TUBE A					<u> </u>	<del> </del>	<u>.</u>				

ISI Identifier Description	Line Number	Section Cat. I		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-28-03 CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623170	4/15/2003	
CRD-26-03-B-A		B-O	B14.1 0	ΧI	SUR	100	SUR	NRI	623008	3/26/2003	
TUBE B-TUBE A											
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	ΧI	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	ΧI	VT-2		VT-2	NRI	623180	4/15/2003	
CRD-42-59 CRD PEN		в-Е	B4.12	XI	VT-2		VT-2	NRI	623181	4/15/2003	

Unit 2

ISI Identifier Description	Line Number	Section Cat. I	- 1	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
CRD-46-07 CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623182	4/15/2003	
CRD-46-55 CRD PEN		B-E	B4.12	ΧI	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		В-О	B14.1 0	XI	SUR	100	SUR	NRI	623009	3/26/2003	
TUBE B-TUBE A						·					
CRD-54-15 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623187	4/15/2003	
CRD-54-47 CRD PEN		В-Е	B4.12	ΧI	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	
<b>CRD-58-27</b> CRD PEN		в-Е	B4.12	ΧI	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	ΧI	VT-2		VT-2	NRI	623194	4/15/2003	
<b>CRD-58-43</b> CRD PEN		B-E	B4.12	ΧI	VT-2		VT-2	NRI	623216	4/15/2003	

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ISI Identifier Description	Line Number	Section Cat.		Inspe Rea		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
DBA2011-FW-23 E-V		B-J	B9.11	ΧI		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	ΧI		SUR	100	SUR	NRI	613001	3/28/2003	Note: Volumetric was completed in U210RIO
DBA2022-2-A E-P		B-J	B9.11	ΧI		SUR	100	SUR	NRI	523001	3/30/2003	Note: Volumetric was completed in U27RIO
DBA2022-FW-1 E-P		B-J	B9.11	ΧI		SUR	100	SUR	NRI	523002	3/30/2003	Note: Volumetric was completed in U27RIO
DBA2022-FW-3 V-E		B-J	B9.11	ΧI		SUR	100	SUR	NRI	523003	3/30/2003	Note: Volumetric was completed in U27RIO
DBA2022-FW-7 V-P	-	C-F-2	C5.51	ΧI		SUR	100	SUR	NRI	523004	3/14/2003	Note: Volumetric was completed in U28RIO
DBA2051-4-A P-E		B-J	B9.11	AG	ΧI	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	ΧI	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	ΧI	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	ΧI	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	ΧI	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	ΧI	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	ΧI	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	ΧI	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	

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ISI Identifier Description	Line Number	Section Cat. It		Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
DBA2121-FW-4 T-T		B√J	B9.11	ΧI	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	ΧI	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	ΧI	SUR	100	SUR	NRI	453003	3/31/2003	Note: Volumetric completed in U27RIO
DBB2191-1-A P-T	1 / 300	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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ISI Identifier Description	Line Number	Section Cat. If		Inspec Reas	i	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
DBB2191-1-B T-P		C-F-2	C5.51	AG	ΧI	VOL SUR	100 100	VOL SUR	RI RI	453007 453006	3/31/2003 3/28/2003	Indication determined to be acceptable by PPL LvI
DBB2191-1-E WOL-P		NA	AUG1	AG		SUR	100	SUR	NRI	453008	3/28/2003	
DBB2191-1-F P-P		C-F-2	C5.51	AG	XI	VOL SUR	100 100	VOL SUR	NRI NRI	453010 453009	3/28/2003 3/28/2003	
DBB2191-FW-2 V-P		C-F-2	C5.51	AG	ΧI	VOL SUR	100 100	VOL SUR	NRI NRI	453012 453011	3/31/2003 3/31/2003	
DBB2191-FW-3 P-WOL		NA	AUG1	AG		SUR	100	SUR	NRI	453013	3/28/2003	
DBB2191-FW-5 P-V		C-F-2	C5.51	AG	ΧI	VOL SUR	100 100	VOL SUR	NRI NRI	453015 453014	3/28/2003 3/28/2003	
DBB2212-6-B P-E		C-F-2	C5.51	ΧI		VOL SUR	100 100	VOL SUR	NRI NRI	503029 503028	3/14/2003 3/13/2003	
DBB2212-FW-14 E-P		C-F-2	C5.51	ΧI		VOL SUR	100 100	VOL SUR	NRI NRI	503031 503030	3/16/2003 3/16/2003	
DBB2212-FW-4 P-E		C-F-2	C5.51	ΧI		VOL SUR	100 100	VOL SUR	NRI NRI	503033 503032	3/14/2003 3/13/2003	
DBB2212-FW-5 P-E		C-F-2	C5.51	ΧI		VOL SUR	100 100	VOL SUR	NRI NRI	503035 503034	3/14/2003 3/13/2003	
DBB2213-2-A P-E		C-F-2	C5.51	XI		SUR	100	SUR	NRI	503036	3/28/2003	Note: Volumetric was completed in U27RIO
DBB2213-2-B E-P		C-F-2	C5.51	ΧI	_	SUR	100	SUR	NRI	503037	3/28/2003	Note: Volumetric was completed in U27RIO
DBB2213-FW-3 V-P	<del></del>	C-F-2	C5.51	XI		SUR	100	SUR	NRI	503038	3/28/2003	Note: Volumetric was completed in U27RIO
DBB2221-FW-12 V-P	3-DBB-222-1	NA	AUG1	AG	<del>-</del>	VOL	100	VOL	NRI	613002	4/1/2003	
DBB2221-FW-13 V-P	3-DBB-222-1	NA	AUG1	AG	_	VOL	100	VOL	NRI	613003	3/26/2003	

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ISI Identifier Description	Line Number	Section Cat. I		Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
<b>DBB2221-FW-14</b> 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

Interval: 2 Period: 3

										·	Outage: 11
ISI Identifier Description	Line Number	Secti Cat.	ion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
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	ΧI	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	ΧI	SUR	100	SUR	NRI	613021	3/28/2003	Baseline exam
DCA2031-FW-22 P-HC		B-J	B9.32	ΧI	SUR	100	SUR	NRI	613022	3/28/2003	Baseline exam
DCA2031-FW-33 HC-TW		B-J	B9.40	ΧI	SUR	100	SUR	NRI	613023	3/28/2003	Baseline exam
DCA2031-FW-34 HC-TW		B-J	B9.40	ΧI	SUR	100	SUR	NRI	613024	3/28/2003	Baseline exam
DCA2072-FW-10 RED-SE EXT		B√	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√	B9.11	ΧI	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	ΧI	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	ΧI	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√	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	ΧI	VOL SUR	50.0 100	VOL SUR	NRI NRI	513019 513018	3/12/2003 3/12/2003	One-sided stainless UT

Unit 2

ISI identifier Description	Line Number	Secti Cat.	ion XI Item	inspe Rea	ction son	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
DCA2092-FW-2 V-FH		B-J	B9.11	ΧI	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	ΧI	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√	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	ΧI		VOL SUR	50.0 100	VOL PT	NRI NRI	493010 493009	3/11/2003 3/9/2003	
DCA2113-FW-10 V-P		B√	B9.11	ΧI		VOL SUR	50.0 100	VOL	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	ΧI		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		B-F	B5.13 0	ΧI		VOL	100	RT	NRI	493017	3/25/2003	
E-FL			<u> </u>			SUR	100	SUR	NRI	493016	3/21/2003	
DCA2113-FW-9 P-V		B√J	B9.11	ΧI		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√	B9.11	ΧI		VOL SUR	100 100	VOL SUR	NRI NRI	453020 453019	3/30/2003 3/30/2003	
<b>DLA2031-FW-6</b> P-V		В√Ј	B9.11	ΧI		VOL SUR	87.0 100	VOL SUR	NRI NRI	453022 453021	3/31/2003 3/31/2003	
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	ΧI		SUR	100	SUR	NRI	453023	3/31/2003	

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ISI Identifier Description	Line Number	Secti Cat.		Inspe Rea		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
DM TPHEAD MERID		B-A	B1.22	ΧI		VOL	100	VOL	NRI	623010	3/24/2003	
DN TPHEAD MERID		B-A	B1.22	ΧI		VOL	100	VOL	NRI	623011	3/23/2003	
DR TPHEAD MERID		B-A	B1.22	ΧI		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
E8D2141-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	1997	C-C	C3.20	ΧI	<del>,</del>	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	ΧI		SUR	93.68	SUR	NRI	493021	3/13/2003	
GBB2041-HW-2D P-LUG/H11		C-C	C3.20	ΧI		SUR	93.68	SUR	NRI	493021	3/13/2003	
GBB2072-HW-2A P-LUG/H27		C-C	C3.20	ΧI		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	
<b>GBB2072-HW-2C</b> P-LUG/H27	1 The Late	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	

ISI Identifier Description	Line Number	Section Cat.	1	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments	
GBB2072-HW-2E P-LUG/H27		с-с	C3.20	XI	SUR	93.68	SUR	NRI	493022	3/26/2003		
GBB2072-HW-2F P-LUG/H27		C-C	C3.20	ΧI	SUR	93.68	SUR	NRI	493022	3/26/2003		
GBB2072-HW-2G P-LUG/H27		C-C	C3.20	ΧI	SUR	93.68	SUR	NRI	493022	3/26/2003		
GBB2072-HW-2H P-LUG/H27		C-C	C3.20	ΧI	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	ΧI	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	ΧI	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	ΧI	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	ΧI	VT-1		VT-1	NRI	543004	3/18/2003		
HRC2061-HW-3B INT ATT/H9		D-A	D1.20	ΧI	VT-1		VT-1	NRI	543004	3/18/2003		
HRC2061-HW-3C INT ATT/H9		D-A	D1.20	ΧI	VT-1		VT-1	NRI	543004	3/18/2003		<u>.</u>
HRC2061-HW-3D INT ATT/H9		D-A	D1.20	ΧI	VT-1		VT-1	NRI	543004	3/18/2003		
HRC2061-HW-3E INT ATT/H9		D-A	D1.20	ΧI	VT-1		VT-1	NRI	543004	3/18/2003		

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ISI Identifier Description	Line Number	Section X Cat. Item	1 '		Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
HV2F028A-FW-1 V-DRAIN BOSS		NA AI	JG1 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 A	JG1 AG	SUR	100	SUR	NRI	833023	3/21/2003	Performed surface PT per INF 01-045
HV2F028C-FW-1 V-DRAIN BOSS		NA A	JG1 AG	SUR	100	SUR	NRI	833024	3/21/2003	Performed surface PT per INF 01-045
HV2F028D-FW-1 V-DRAIN BOSS		NA A	JG1 AG	SUR	100	SUR	NRI	833025	3/21/2003	Performed surface PT per INF 01-045
INCORE-08-17 INCORE PEN		B-E B	1.13 XI	VT-2		VT-2	NRI	623195	4/15/2003	
INCORE-08-25 INCORE PEN		B-E B	1.13 XI	VT-2		VT-2	NRI	623196	4/15/2003	
INCORE-08-49 INCORE PEN		B-E B	1.13 XI	VT-2		VT-2	NRI	623197	4/15/2003	
INCORE-16-09 INCORE PEN		B-E B	I.13 XI	VT-2		VT-2	NRI	623198	4/15/2003	
INCORE-16-57 INCORE PEN		B-E B	1.13 XI	VT-2		VT-2	NRI	623199	4/15/2003	
INCORE-24-37 INCORE PEN		B-E B	1.13 XI	VT-2		VT-2	NRI	623200	4/15/2003	
INCORE-40-21 INCORE PEN		B-E B	i.13 XI	VT-2		VT-2	NRI	623201	4/15/2003	
INCORE-40-41 INCORE PEN		B-E B	i.13 XI	VT-2		VT-2	NRI	623202	4/15/2003	
INCORE-40-57 INCORE PEN		B-E B	I.13 XI	VT-2		VT-2	NRI	623203	4/15/2003	
INCORE-48-09 INCORE PEN		B-E B	I.13 XI	VT-2		VT-2	NRI	623204	4/15/2003	

Unit 2

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Sect Cat.	ion XI Item	•	ction son	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
INCORE-48-53 INCORE PEN		B-E	B4.13	ΧI		VT-2		VT-2	NRI	623205	4/15/2003	
INCORE-56-17 INCORE PEN		B-E	B4.13	ΧI		VT-2		VT-2	NRI	623206	4/15/2003	
INCORE-56-25 INCORE PEN		B-E	B4.13	ΧI		VT-2		VT-2	NRI	623207	4/15/2003	
INCORE-56-33 INCORE PEN		B-E	B4.13	ΧI		VT-2		VT-2	NRI	623208	4/15/2003	
N10 SBLC NOZ		в-Е	B4.11	ΧI		VT-2		VT-2	NRI	623209	4/15/2003	
N11A INST NOZ		B-E	B4.13	ΧI		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	ΧI	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	ΧI	<del> </del>	VT-2		VT-2	NRI	623214	4/15/2003	
N12A NOZ-SE NOZ SE		B-F	B5.14 0	ΧI	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	ΧI	-	VT-2	· · · · · · ·	VT-2	NRI	623215	4/15/2003	
N12B NOZ-SE NOZ SE		B-F	B5.14 0	ΧI	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	

Interval: 2 Period: 3 Outage: 11

ISI Identifier Line Number Report Date Section XI Inspection Required Code Actual Results Inspection Comments Description Cat. Item Reason Exam Coverage Exam Number **N16B** B-E B4.13 ΧI VT-2 VT-2 NRI 623211 4/21/2003 **INST NOZ N5A NOZ-SE** B-F B5.10 ΧI SUR 100 SUR NRI 623017 3/27/2003 Note: Volumetric was completed in U27RIO and U29RIO SE-NOZ N5B NOZ-SE B-F B5.10 ΧI SUR 3/27/2003 Note: Volumetric was completed in U27RIO and 100 SUR NRI 623018 SE-NOZ U29RIO N6A B-D B3.90 ΧI VOL 100 VOL NRI 623019 3/24/2003 **TPHEAD-NOZ** B-D N6A IR B3.10 ΧI VOL 100 VOL NRI 623020 3/24/2003 0 NOZ-IR N6A-NOZ-FL B-J B9.11 ΧI VOL 100 VOL NRI 623022 3/20/2003 FL-NOZ SUR 100 SUR NRI 623021 3/20/2003 N6B B-D B3.90 ΧI VOL 100 VOL NRI 623023 3/24/2003 TPHEAD-NOZ N6B IR B-D B3.10 ΧI VOL 100 VOL NRI 623024 3/24/2003 0 NOZ-IR N6B-NOZ-FL B-J B9.11 XI VOL 100 VOL NRI 623026 3/20/2003 FL-NOZ SUR 100 SUR NRI 623025 3/20/2003 N7 B-D B3.90 ΧI VOL 100 VOL NRI 623027 3/24/2003 TPHEAD-NOZ N7 IR B-D B3.10 ΧI VOL 100 VQL NRI 623028 3/24/2003 0 NOZ-IR N7-NOZ-FL B-J B9.11 ΧI VOL 100 VOL NRI 623030 3/20/2003 NOZ-FL **SUR** 100 SUR NRI 623029 3/20/2003 **N8A 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 NOZ-SE Relief Request. Exam deferred to U212RIO. Note: Volumetric was completed in U27RIO and U29RIO

Unit 2

Interval: 2 Period: 3

Outage: 11

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

Period: 3 Outage: 11

Interval: 2

ISI Identifier	Line Number	Section	n XI	Inspe	ction	Required		Actual	Results	Report	Date	Inspection Comments
Description		Cat.	ltem	Reas	on	Exam	Coverage	Exam		Number		
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	ÁUG1	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	ΧI	•	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	ΧI	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	ΧI	VOL SUR	100 100	VOL SUR	NRI NRI	833015 833014	3/28/2003 3/28/2003	
VNBB213-FW-D-6 FH-V	N 10 10 10 10 10 10 10 10 10 10 10 10 10	B-J	B9.11	AG	ΧI	VOL SUR	100	VOL SUR	NRI NRI	833017 833016	3/28/2003 3/28/2003	

Unit 2

Interval: 2 Period: 3

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

### Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing

Unit 2

Interval: 2 Period: 3

									Oddage. 11
ISI Identifier Description	Line Number	Sectio Cat. It	n XI tem	Required Exam(s)	Actual Exam(s)	Result(s)	Report Number	Date	Inspection Comments
2P203-HW-1 RCIC Pump Mounting	Foot	c-c	C3.30	SUR	SUR	NRI	503040	3/19/2003	Initial examination (baseline) ISI Report No. ISI-03-309 replaced Report No. 503040
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 i	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	

### Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing

Unit 2

Interval: 2 Period: 3

Outage: 11 Result(s) **ISI Identifier** Line Number Section XI Required Actual Report Date Inspection Comments Description Cat. Item Exam(s) Exam(s) Number 2P401B-STUD-12 B6.180 VOL NRI B-G-1 VOL 643001 3/24/2003 **PUMP STUD** 2P401B-STUD-13 VOL B-G-1 B6.180 VOL NRI 643001 3/24/2003 **PUMP STUD** 2P401B-STUD-14 B-G-1 B6.180 VOL VOL NRI 643001 3/24/2003 **PUMP STUD** 2P401B-STUD-15 B-G-1 B6.180 VOL VOL NRI 643001 3/24/2003 **PUMP STUD** B6.180 VOL VOL NRI 3/24/2003 2P401B-STUD-16 B-G-1 643001 **PUMP STUD** CRD-06-15-BLT B-G-2 B7.80 VT-1 VT-1 NRI 623049 3/16/2003 INF 03-020 - minor pitting **CRD HOUSING BLT** VT-1 VT-1 CRD-06-43-BLT B-G-2 B7.80 NRI 623050 3/16/2003 INF 03-020 - minor pitting **CRD HOUSING BLT** CRD-10-15-BLT B-G-2 B7.80 VT-1 VT-1 NRI 623051 3/16/2003 INF 03-020 - minor pitting **CRD HOUSING BLT** CRD-10-35-BLT B-G-2 B7.80 VT-1 VT-1 NRI 623052 3/16/2003 INF 03-020 - minor pitting **CRD HOUSING BLT** CRD-14-27-BLT B-G-2 B7.80 VT-1 VT-1 NRI 623053 3/16/2003 INF 03-020 - minor pitting CRD HOUSING BLT B7.80 VT-1 VT-1 CRD-18-31-BLT B-G-2 NRI 623054 3/16/2003 INF 03-020 - minor pitting **CRD HOUSING BLT** B7.80 VT-1 VT-1 CRD-18-39-BLT B-G-2 NRI 623055 3/16/2003 INF 03-020 - minor pitting **CRD HOUSING BLT** VT-1 CRD-18-59-BLT B-G-2 B7.80 **VT-1** NRI 623056 3/16/2003 INF 03-020 - minor pitting **CRD HOUSING BLT** CRD-22-59-BLT B-G-2 B7.80 VT-1 VT-1 NRI 623057 3/16/2003 INF 03-020 - minor pitting **CRD HOUSING BLT** CRD-26-07-BLT B-G-2 B7.80 VT-1 VT-1 NRI 623058 3/16/2003 INF 03-020 - minor pitting **CRD HOUSING BLT** 

# Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing Unit 2

ISI Identifier Description	Line Number	Section Cat. It		Required Exam(s)	Actual Exam(s)	Result(s)	Report Number	Date	Inspection Comments
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	

# Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing Unit 2

interval: 2 Period: 3

						Unit	2		Outage: 11
ISI Identifier Description	Line Number	Section Cat. It	n XI tem	Required Exam(s)	Actual Exam(s)	Result(s)	Report Number	Date	Inspection Comments
DCA2113-FW11-BG2 12/FL BOLT		B-G-2	<b>B7.50</b>	VT-1 VT-1	VT-1 VT-1	NRI NRI	493020 ISI-03-432	3/9/2003 3/27/2003	Inspection per ISI-03-432 was performed after flange face was scratchecd (Ref. AR 458106)
HV2F022A VALVE INT SUR		B-M-2	B12.50	VT-3 VT-3 SUR	VT-3 VT-3 MT	NRI NRI NRI	833047 ISI-03-360 ISI-03-403	3/26/2003 3/23/2003 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.
				VT-3	VT-3	NRI	ISI-03-463	3/30/2003	
HV2F022B VALVE INT SUR		B-M-2	B12.50	VT-3 SUR VT-3	VT-3 MT VT-3	NRI NRI NRI	833049 ISI-03-420 ISI-03-487		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.
HV2F022C VALVE INT SUR		B-M-2	B12.50	VT-3 SUR VT-3	VT-3 MT VT-3	NRI NRI NRI	833051 ISI-03-418 ISI-03-470	3/27/2003 3/27/2003 3/30/2003	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
HV2F022D VALVE INT SUR		B-M-2	B12.50	VT-3 SUR VT-3	VT-3 MT VT-3	NRI NRI NRI	833053 ISI-03-404 ISI-03-457		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.
HV2F028A VALVE INT SUR		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
HV2F028B VALVE INT SUR		B-M-2	B12.50	VT-3 SUR VT-3	VT-3 SUR VT-3	NRI NRI NRI	ISI-03-271 ISI-03-270 ISI-03-322	3/18/2003 3/18/2003 3/20/2003	Baseline VT-3. Note: Report No. ISI-03-271 used instead of 833041, ISI-03-322 performed PSI VT-3 inspection of valve cover.
HV2F028C VALVE INT SUR		B-M-2	B12.50	VT-3 VT-3	VT-3 VT-2	NRI NRI	ISI-03-234 ISI-03-304	3/16/2003 3/19/2003	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
HV2F028D VALVE INT SUR		B-M-2	B12.50	VT-3 VT-3	VT-3 VT-3	NRI NRI	ISI-03-250 ISI-03-303		Baseline VT-3; ISI-03-303 performed VT-3 on bonnet outer surfaces only

### Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing

Unit 2

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Section Cat. It		Required Exam(s)	Actual Exam(s)	Result(s)	Report Number	Date	Inspection Comments
HV2F028D-LOC11 DUAL DIAMETER BOL	TING	B-G-1	B6.210	VOL	VOL	NRI	833005	3/16/2003	Baseline exam
HV2F028D-LOC11 FLANGE DUAL DIAMETER BOL	TING FLANGE	B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC12 DUAL DIAMETER BOL	TING	B-G-1	B6.210	VOL	VOL	NRI	833006	3/16/2003	Baseline exam
HV2F028D-LOC12 FLANGE DUAL DIAMETER BOL	TING FLANGE	B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-246	3/16/2003	Flange surface
HV2F028D-LOC18 DUAL DIAMETER BOL	TING	B-G-1	B6.210	VOL	VOL	NRI	833007	3/16/2003	Baseline exam
HV2F028D-LOC18 FLANGE DUAL DIAMETER BOL	TING FLANGE	B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC20 DUAL DIAMETER BOL	TING	B-G-1	B6.210	VOL	VOL	NRI	833008	3/16/2003	Baseline exam
HV2F028D-LOC20 FLANGE DUAL DIAMETER BOL	TING FLANGE	B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC3 DUAL DIAMETER BOL	TING	B-G-1	B6.210	VOL	VOL	NRI	833009	3/16/2003	Baseline exam
HV2F028D-LOC3 FLANGE DUAL DIAMETER BOL	TING FLANGE	B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC6 DUAL DIAMETER BOL	TING	B-G-1	B6.210	VOL	VOL	NRI	833010	3/16/2003	Baseline exam
HV2F028D-LOC6 FLANGE DUAL DIAMETER BOL	TING FLANGE	B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC8 DUAL DIAMETER BOL	TING	B-G-1	B6.210	VOL	VOL	NRI	833011	3/16/2003	Baseline exam

# Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing Unit 2

Interval: 2 Period: 3

								Outage, 11
Line Number	1	_	Required Exam(s)	Actual Exam(s)	Result(s)	Report Number	Date	Inspection Comments
TING FLANGE	B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-246	3/16/2003	Flange surface
	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 wom 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).
	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
	B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-190	3/12/2003	PSI on Super Nut Washers (baseline exam only)
	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
	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
	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)
	B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-189	3/12/2003	PSI on Super Nut Washers (baseline exam only)
	B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-188	3/12/2003	PSI on Super Nut Washers (baseline exam only)
	B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-187	3/12/2003	PSI on Super Nut Washers (baseline exam only)
	B-G-2	B7.10	VT-1	VT-1	NRI	623037	3/9/2003	
	B-G-2	B7.10	VT-1 VT-1	VT-1 VT-1	NRI NRI	623038 ISI-03-592		ISI-03-592 performed PSI VT-1 on new replacement studs(2) and nuts(4)
	B-G-2	B7.10	VT-1	VT-1	NRI	623039	3/9/2003	
	B-G-1	B6.10	SUR	SUR	NRI	623075	3/18/2003	
	Line Number  TING FLANGE	Cat.   ft     B-G-1     TING FLANGE     B-M-2     B-G-2     B-G-2	B-G-1   B6.220     TING FLANGE     B-M-2   B12.50     B-G-2   B7.70     B-G-2   B7.10     B-G-2   B7.10     B-G-2   B7.10	Cat.   Item   Exam(s)	B-G-1   B6.220   VT-1   VT-1	B-G-1   B6.220   VT-1   VT-1   NRI	Cat. Item   Exam(s)   Exam(s)   Number	B-G-1   B6.220   VT-1   VT-1   NRI   ISI-03-246   3/16/2003   S-G-2   B7.70   VT-1   VT-1   NRI   ISI-03-365   3/23/2003   S-G-2   B7.70   VT-1   VT-1   NRI   ISI-03-366   3/23/2003   S-G-2   B7.70   VT-1   VT-1   NRI   ISI-03-366   3/23/2003   S-G-2   B7.70   VT-1   VT-1   NRI   ISI-03-186   3/12/2003   S-G-2   B7.70   VT-1   VT-1   NRI   ISI-03-186   3/12/2003   S-G-2   B7.70   VT-1   VT-1   NRI   ISI-03-189   3/12/2003   S-G-2   B7.70   VT-1   VT-1   NRI   ISI-03-188   3/12/2003   S-G-2   B7.70   VT-1   VT-1   NRI   ISI-03-187   3/12/2003   S-G-2   B7.70   VT-1   VT-1   NRI   ISI-03-592   477/2003   S-G-2   B7.10   VT-1   VT-1   NRI   ISI-03-592   3/9/2003   S-G-2   B7.10   VT-1   VT-1   VT-1   NRI   ISI-03-592   3/9/2003   S-G-2   B7.10   VT-1   VT-1   VT-1   NRI   S-G-2039   S-G-2   B7.10   VT-1   VT-1   VT-1   NRI   S-G-20399   S-G-20390   S-G-20390   S-G-20390   S-G-20390   S-

# Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing Unit 2

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Section Cat. It		Required Exam(s)	Actual Exam(s)	Result(s)	Report Number	Date	Inspection Comments
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.

### Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing Unit 2

Interval: 2 Period: 3 Outage: 11

ISI identifier Line Number Result(s) Report Date **Inspection Comments** Section XI Required Actual Description Number Cat. Item Exam(s) Exam(s) RPV-NUT-17 B-G-1 B6.10 SUR SUR NRI 623091 3/18/2003 **RPV NUT** RPV-NUT-18 B-G-1 B6.10 SUR SUR NRI 623092 3/18/2003 **RPV NUT** RPV-NUT-19 B-G-1 B6.10 SUR SUR NRI 623093 3/18/2003 **RPV NUT** RPV-NUT-20 B-G-1 B6.10 SUR SUR NRI 623094 3/18/2003 **RPV NUT** RPV-NUT-21 B-G-1 B6.10 SUR SUR **NRI** 623095 3/18/2003 **RPV NUT** RPV-NUT-22 B-G-1 B6.10 SUR SUR NRI 623096 3/18/2003 **RPV NUT** RPV-NUT-23 B-G-1 B<sub>6.10</sub> SUR SUR NRI 623097 3/18/2003 **RPV NUT** B6.10 NRI RPV-NUT-24 B-G-1 SUR SUR 623098 3/18/2003 **RPV NUT** B-G-1 **B6.10** SUR SUR NRI 623099 3/18/2003 RPV-NUT-25 **RPV NUT** RPV-STUD-01 B-G-1 B6.20 VOL VOL NRI 623125 3/10/2003 B6.30 **RPV STUD** RPV-STUD-02 B-G-1 B6.20 VOL VOL NRI 623126 3/10/2003 **RPV STUD** B6.30 B-G-1 B6.20 VOL VOL NRI 623127 3/10/2003 RPV-STUD-03 **RPV STUD** B6.30 VOL RPV-STUD-04 B-G-1 B6.20 VOL NRI 623128 3/10/2003 **RPV STUD** B6.30 B-G-1 VOL VOL NRI RPV-STUD-05 B6.20 623129 3/10/2003 **RPV STUD** B6.30 B-G-1 B6.20 VOL VOL NRI 623130 3/10/2003 RPV-STUD-06 **RPV STUD** B6.30

# Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing Unit 2

ISI Identifier Description	Line Number	Section Cat. Its		Required Exam(s)	Actual Exam(s)	Result(s)	Report Number	Date	Inspection Comments
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	4 10	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	NRÌ	623144	3/11/2003	
RPV-STUD-21 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623145	3/11/2003	

# Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing Unit 2

									Outage:
ISI Identifier Description	Line Number	Section Cat. Ite		Required Exam(s)	Actual Exam(s)	Result(s)	Report Number	Date	Inspection Comments
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	

### Susquehanna SES ISI Bolts, Pumps, and Valves Inspection Listing Unit 2

Interval: 2 Period: 3 Outage: 11

ISI Identifier **Line Number** Section XI Required Actual Result(s) Report **Date Inspection Comments** Description Cat. Item Exam(s) Exam(s) Number **RPV-WASH-12** B-G-1 B6.50 VT-1 VT-1 NRI 623111 3/18/2003 **RPV WASH** RPV-WASH-13 B-G-1 B6.50 VT-1 VT-1 NRI 623112 3/18/2003 **RPV WASH** B-G-1 VT-1 RPV-WASH-14 B6.50 VT-1 NRI 623113 3/18/2003 **RPV WASH RPV-WASH-15** B-G-1 VT-1 B6.50 VT-1 NRI 623114 3/18/2003 **RPV WASH** VT-1 VT-1 NRI RPV-WASH-16 B-G-1 B6.50 623115 3/18/2003 **RPV WASH RPV-WASH-17** B-G-1 B6.50 VT-1 VT-1 NRI 623116 3/18/2003 **RPV WASH RPV-WASH-18** B-G-1 B6.50 VT-1 VT-1 NRI 623117 3/18/2003 **RPV WASH RPV-WASH-19** B-G-1 B6.50 VT-1 VT-1 NRI 623118 3/18/2003 **RPV WASH** RPV-WASH-20 B-G-1 B6.50 VT-1 VT-1 NRI 623119 3/18/2003 **RPV WASH** RPV-WASH-21 B-G-1 B6.50 VT-1 VT-1 NRI 623120 3/18/2003 **RPV WASH** B-G-1 VT-1 NRI RPV-WASH-22 B6.50 VT-1 623121 3/18/2003 **RPV WASH** B-G-1 VT-1 NRI B6.50 VT-1 623122 3/18/2003 RPV-WASH-23 **RPV WASH** B6.50 VT-1 NRI **B-G-1** VT-1 623123 3/18/2003 RPV-WASH-24 **RPV WASH** VT-1 B-G-1 VT-1 NRI 623124 3/18/2003 RPV-WASH-25 B6.50 **RPV WASH** 

#### Susquehanna SES ISI Component Support Inspection Listing

Unit 2

Interval: 2 Period: 3

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

#### Susquehanna SES ISI Component Support Inspection Listing

Unit 2

Interval: 2 Period: 3

Outage: 11 ISI Identifier Line Number Section XI Required Actual Results Report Date Inspection Comments Type Inspection insp. Description Insulation Cat. Item Reason Exam By Exam Number GBB2043-H23 R F-A F1.20 ΧI **VT-3 VT-3** NRI 493038 3/17/2003 М **SWAY ST** R F-A F1.20 ΧI VT-3 NRI HBB2041-H66 VT-3 513029 3/11/2003 М **SWAY ST** VT-3 R F-A ΧI HBB2071-H51 F1.20 VT-3 NRI 523009 3/11/2003 М **SWAY ST** R F-A F1.30 ΧI **VT-3** VT-2 HRC2021-H7 NRI 543001 3/18/2003 0 RIGID SUP/GUIDE R F-A VT-3 HRC2051-H23 F1.30 AD 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 **SWAY ST** F1.30 R F-A ΧI VT-3 VT-3 RI 543002 3/18/2003 AR 460130 HRC2051-H24 VT-3 NRI 0 VT-3 ISI-03-536 4/4/2003 **SWAY ST** HRC2051-H25 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 **SWAY ST** ΧI **VT-3** F-A F1.30 VT-3 NRI 543003 3/18/2003 HRC2061-H9 Α **ANCHOR** HRC2071-H3 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 **SWAY ST** R ΧI VT-3 HRC2121-H9 F-A F1.30 VT-3 NRI 163001 3/17/2003 0

**RIGID SUP** 

#### **Susquehanna SES ISI Component Support Inspection Listing**

Unit 2

Interval: 2 Period: 3

ISI Identifier Description	Line Number Insulation	Туре	Sec Cat.	tion XI Item	Inspection Reason	Required Exam	insp. By	Actual Exam	Results	Report Number	Date	Inspection Comments
HRC2131-H8		R	F-A	F1.30	ΧI	VT-3	_	VT-3	NRI	163002	3/17/2003	
SWAY ST	0											
MST222-H4		SP	F-A	F1.10	ΧI	VT-3		VT-3	NRI	833038	3/26/2003	
VAR SUP	М											
RWS200-HA7	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
VAR SUP	W											
ST BRKT SUP-F	<b>A</b> 4		F-A	F1.40	XI	VT-3		VT-3	NRI	623043	3/31/2003	
STAB BRACK SUP	М											
ST BRKT SUP-G	М		F-A	F1.40	ΧI	VT-3		VT-3	NRI	623044	3/31/2003	
STAB BRACK SUP	W											
ST BRKT SUP-H	M		F-A	F1.40	ΧI	VT-3		VT-3	NRI	623045	3/31/2003	
STAB BRACK SUP	IVI											
VBB2021-H10		R	F-A	F1.20	ΧI	VT-3		VT-3	NA	553003	3/14/2003	
RIGID HANG	0											
VBB2021-H9		R	F-A	F1.20	ΧI	VT-3	,	VT-3	NRI	553004	3/14/2003	
RIGID HANG	0		*									•
VBB2022-H2	^	R	F-A	F1.20	XI	VT-3	_	VT-3	NRI	553005	3/14/2003	
RIGID HANG	0								·			

# Susquehanna SES In-Vessel Inspection Listing Unit 2

ISI Identifier Description	Line Number	Secti Cat.	on XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
BAFFLE PLATE	SHROUD SUPPORT	B-N-2	B13.40	ΧI	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	COFFORT				VT-3	100	VT-3	NRI	623779	3/29/2003	
Cell 14-31 CRGT-1 CRD GUIDE TUBE SLEEVE-TO WELD	CRDGT D-ALIGNMENT LUG	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-S	CRDGT SLEEVE WELD	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-B	CRDGT ODY WELD	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 SUPPOR CORE PLATE WELD	CRDGT RT ALIGNMENT PIN-	NA TO-	AUG9	AG	VT-3	50	VT-3	NRI	623664	3/17/2003	BWRVIP baseline
Cell 18-19 CRGT-1 CRD GUIDE TUBE SLEEVE-TO WELD	CRDGT D-ALIGNMENT LUG	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-S	CRDGT SLEEVE WELD	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-B	CRDGT ODY WELD	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 SUPPOR CORE PLATE WELD	CRDGT RT ALIGNMENT PIN-	NA TO-	AUG9	AG	VT-3	50	VT-3	NRI	623668	3/17/2003	BWRVIP baseline
Cell 18-27 CRGT-1 CRD GUIDE TUBE SLEEVE-TO WELD	CRDGT D-ALIGNMENT LUG	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-S	CRDGT SLEEVE WELD	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-B	CRDGT ODY WELD	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 SUPPOR CORE PLATE WELD	CRDGT RT ALIGNMENT PIN-	NA TO-	AUG9	AG	VT-3	50	VT-3	NRI	623672	3/17/2003	BWRVIP baseline

# Susquehanna SES In-Vessel Inspection Listing Unit 2

ISI Identifier Description	Line Number		ion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Cell 18-35 CRGT-1 CRD GUIDE TUBE SLEEVE-TO WELD	CRDGT D-ALIGNMENT LUG	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-	CRDGT SLEEVE WELD	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-E	CRDGT BODY WELD	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 SUPPO CORE PLATE WELD	CRDGT RT ALIGNMENT PIN-	NA TO-	AUG9	AG	VT-3	50	VT-3	NRI	623676	3/17/2003	BWRVIP baseline
Cell 18-43 CRGT-1 CRD GUIDE TUBE SLEEVE-TO WELD	CRDGT O-ALIGNMENT LUG	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-	CRDGT SLEEVE WELD	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-E	CRDGT BODY WELD	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 SUPPO CORE PLATE WELD	CRDGT RT ALIGNMENT PIN-	NA TO-	AUG9	AG	VT-3	50	VT-3	NRI	623680	3/17/2003	BWRVIP baseline
Cell 22-23 CRGT-1 CRD GUIDE TUBE SLEEVE-TO WELD	CRDGT O-ALIGNMENT LUG	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-	CRDGT SLEEVE WELD	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-I	CRDGT BODY WELD	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 SUPPO CORE PLATE WELD	CRDGT RT ALIGNMENT PIN-	NA TO-	AUG9	AG	VT-3	50	VT-3	NRI	623684	3/17/2003	BWRVIP baseline
Cell 22-39 CRGT-1 CRD GUIDE TUBE SLEEVE-TO WELD	CRDGT O-ALIGNMENT LUG	NA	AUG9	AG	VT-3	50	VT-3	NRI	623685	3/17/2003	BWRVIP baseline

Interval: 2 Period: 3

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ISI Identifier Description	Line Number	Secti Cat.		inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Cell 22-39 CRGT-2 CRD GUIDE TUBE BODY-TO-S	CRDGT SLEEVE WELD	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-E	CRDGT BODY WELD	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 SUPPO! CORE PLATE WELD	CRDGT RT ALIGNMENT PIN-	NA TO-	AUG9	AG	VT-3	50	VT-3	NRI	623688	3/17/2003	BWRVIP baseline
Cell 26-19 CRGT-1 CRD GUIDE TUBE SLEEVE-TO WELD	CRDGT D-ALIGNMENT LUG	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-S	CRDGT SLEEVE WELD	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-E	CRDGT BODY WELD	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 SUPPOI CORE PLATE WELD	CRDGT RT ALIGNMENT PIN-	NA TO-	AUG9	AG	VT-3	15	VT-3	NRI	623692	3/17/2003	BWRVIP baseline
Cell 26-43 CRGT-1 CRD GUIDE TUBE SLEEVE-TO WELD	CRDGT D-ALIGNMENT LUG	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-	CRDGT SLEEVE WELD	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-E	CRDGT BODY WELD	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 SUPPOI CORE PLATE WELD	CRDGT RT ALIGNMENT PIN-	NA TO-	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.

ISI Identifier Description	Line Number	Section XI Cat. Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
CRD02-19 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2 B13.4	0 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 B13.4	0 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 B13.4	0 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 B13.4	0 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 B13.4	0 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 B13.4	0 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 B13.4	0 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 B13.4	0 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 B13.4	o 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 B13.4	0 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 B13.4	O 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.

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Section XI Cat. Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
CRD14-07 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2 B13.4	) 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 B13.4	) 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 B13.4	) 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 B13.4	) 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 B13.4	) 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 B13.4	) 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 B13.4	0 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 B13.4	0 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 B13.4	0 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 B13.4	0 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 B13.4	0 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.

interval: 2 Period: 3

ISI Identifier Description	Line Number	Section XI Cat. Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
CRD34-59 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2 B13.40	) XI	VT-3	5	<b>VT-3</b>	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 B13.44	) 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 B13.4	) 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 B13.4	) 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 B13.4	) 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 B13.4	) 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 QUIDE TUBE LOWER PLENUM	CRDGT	B-N-2 B13.4	) 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 B13.4	) 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 B13.4	0 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 B13.4	0 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 B13.4	0 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.

ISI Identifier Description	Line Number	Secti Cat.	on XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
CRD58-19 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	ΧI	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	ΧI	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	ΧI	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	ΧI	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	ΧI	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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ISI Identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
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 reinspect 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	

ISI Identifier Description	Line Number	Section XI Cat. Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
DRYER WELD DC-B-3 DRAIN CHAN WELD	DRYER	NA AUG	AG .	VT-1	100	VT-1	NRI	623554	3/12/2003	
DRYER WELD DC-C-1 DRAIN CHAN WELD	DRYER	NA AUG	AG.	VT-1	100	VT-1	NRI	623555	3/12/2003	
DRYER WELD DC-C-2 DRAIN CHAN WELD	DRYER	NA AUG	AG AG	VT-1	100	VT-1	NRI	623556	3/12/2003	
DRYER WELD DC-C-3 DRAIN CHAN WELD	DRYER	NA AUG	AG.	VT-1	100	VT-1	NRI	623557	3/12/2003	
DRYER WELD DC-D-1 DRAIN CHAN WELD	DRYER	NA AUG	AG.	VT-1	100	VT-1	NRI	623558	3/12/2003	
DRYER WELD DC-D-2 DRAIN CHAN WELD	DRYER	NA AUG	AG.	VT-1	100	VT-1	NRI	623559	3/12/2003	
DRYER WELD DC-D-3 DRAIN CHAN WELD	DRYER	NA AUG	S AG	VT-1	100	VT-1	NRI	623560	3/12/2003	
DRYER WELD HE-A-1 HOOD/END PANEL	DRYER	NA AUG	S AG	VT-1	100	VT-1	NRI	623561	3/12/2003	
DRYER WELD HE-A-2 HOOD/END PANEL	DRYER	NA AUG	AG.	VT-1	100	VT-1	NRI	623562	3/12/2003	
DRYER WELD HE-B-1 HOOD/END PANEL	DRYER	NA AUG	3 AG	VT-1	100	VT-1	NRI	623563	3/12/2003	
DRYER WELD HE-B-2 HOOD/END PANEL	DRYER	NA AUG	3 AG	VT-1	100	VT-1	NRI	623564	3/12/2003	
DRYER WELD HE-C-1 HOOD/END PANEL	DRYER	NA AUG	AG AG	VT-1	100	VT-1	NRI	623565	3/12/2003	
DRYER WELD HE-C-2 HOOD/END PANEL	DRYER	NA AUG	B AG	VT-1	100	VT-1	NRI	623566	3/12/2003	
DRYER WELD HE-D-1 HOOD/END PANEL	DRYER	NA AUG	B AG	VT-1	100	VT-1	NRI	623567	3/12/2003	
DRYER WELD HE-D-2 HOOD/END PANEL	DRYER	NA AUG	B AG	VT-1	100	VT-1	NRI	623568	3/12/2003	:

ISI Identifier Description	Line Number	Section Cat.		Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
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	ŇA	AUG6	ĄG	VT-1	100	VT-1	NRI	623529	3/31/2003	
DRYER WELD TR-B-3/4 CAPTURE PLATE	DRYER	ŅA	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	

ISI identifier Description	Line Number		ion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
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 S	DRYER TEAM DAM	NA	AUG6	AD	VŢ-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 S	DRYER TEAM DAM	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

Interval: 2 Period: 3

Outage: 11

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

												Outage: 11
ISI Identifier Description	Line Number	Secti Cat.		Inspec Reas		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
HLD DWN BRKT WELD D	VESSEL ATTACHMENT WELDS	B-N-2	B13.30	ΧI	AG	VT-3	100	VT-3	NRI	623523	3/13/2003	Code and BWRVIP. Light surface corrosion(reddish- brown in color)
STM DRYER HOLDWN BRKT-1 HEAD		SL	AUG9									
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 BOTT	JP FOM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623446	4/3/2003	BWRVIP baseline
N2A JP01 ADAPT AD2 ADAPTER BOTTOM RING TO S PLATE	JP SHROUD BAFFLE	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 BETWEE SCREW AND INLET MIXER	JP EN RES. BRKT. SET	NA	AUG9	ÅG	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 TAC	JP K WELDS	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 BOTT	JP FOM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623448	4/3/2003	BWRVIP baseline
N2A JP02 ADAPT AD2 ADAPTER BOTTOM RING TO S PLATE	JP SHROUD BAFFLE	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 BETWEE SCREW AND INLET MIXER	JP EN RES. BRKT. SET	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 TAC	JP K WELDS	NA	AUG9	AG	BL.	VT-1	100	VT-1	NRI	623365	4/6/2003	BWRVIP baseline post JP modification

Interval: 2 Period: 3 Outage: 11

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

ISI Identifier Description	Line Number		ion XI Item	Inspe Reas	1	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
N2C JP05 ADAPT AD2 ADAPTER BOTTOM RING TO PLATE	JP SHROUD BAFFLE	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 BETWE SCREW AND INLET MIXER	JP EN RES. BRKT. SET	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 TAC	JP CK WELDS	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 BOT	JP TOM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623457	4/3/2003	BWRVIP baseline
N2C JP06 ADAPT AD2 ADAPTER BOTTOM RING TO PLATE	JP SHROUD BAFFLE	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 BETWE SCREW AND INLET MIXER	JP EN RES. BRKT. SET	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 TAC	JP CK WELDS	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 RISE WELD	JP ER PIPE CIRC TOP	NA	AUG9	AG	BL	EVT-1	75	EVT-1	NRI	623423	3/28/2003	BWRVIP baseline

ISI Identifier Description	Line Number		tion XI Item	Inspe Reas		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
N2C RISR BRACE RS9 RISER BRACE YOKE TO RISER WELD	JP I PIPE CIRC BOTTO	NA M	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623424	3/28/2003	BWRVIP baseline
N2C RISR PIPE RS1 RISER ELBOW TO THERMAL S	JP LEEVE	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 PI	JP ECE	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623507	3/28/2003	BWRVIP baseline
N2C RISR PIPE RS6 RISER PIPE TO RESTRAINER B	JP BRACKET (LEFT)	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623508	3/28/2003	BWRVIP baseline
N2C RISR PIPE RS7 RISER PIPE TO RESTRAINER B	JP BRACKET (RIGHT)	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623509	3/28/2003	BWRVIP baseline
N2D JP07 ADAPT AD1 ADAPTER TOP RING TO BOTTO	JP OM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623460	4/3/2003	BWRVIP baseline
N2D JP07 ADAPT AD2 ADAPTER BOTTOM RING TO SI PLATE	JP HROUD BAFFLE	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	IP .	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 SCREW AND INLET MIXER	IP NRES. BRKT. SET	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	IP WELDS	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623380	4/6/2003	BWRVIP baseline post JP modification. CR464877

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Sect Cat.	lon XI Item	Inspec Reas		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
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 BOTT	JP FOM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623466	4/3/2003	BWRVIP baseline
N2D JP08 ADAPT AD2 ADAPTER BOTTOM RING TO PLATE	JP SHROUD BAFFLE	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 BETWEE SCREW AND INLET MIXER	JP EN RES. BRKT. SET	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 TAC	JP EK WELDS	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 VESSE	JP EL PAD UPPER RIGH	NA IT	AUG9	AG	BL.	EVT-1	90	EVT-1	NRI	623425	3/31/2003	BWRVIP baseline
N2D RISR BRACE RB1B RISER BRACE LEG TO VESSE	JP EL PAD UPPER LEFT	NA	AUG9	AG	BL.	EVT-1	90	EVT-1	NRI	623426	3/31/2003	BWRVIP baseline
N2D RISR BRACE RB1C RISER BRACE LEG TO VESSE	JP EL PAD LOWER RIGH	NA IT	AUG9	AG	BL	EVT-1	90	EVT-1	NRI	623427	3/31/2003	BWRVIP baseline
N2D RISR BRACE RB2A RISER YOKE TO RISER LEG U	JP JPPER RIGHT	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 U	JP JPPER LEFT	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 L	JP .OWER RIGHT	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 L	JP .OWER LEFT	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623431	3/31/2003	BWRVIP baseline

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Section Cat.		inspe Rea	ction son	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
N2D RISR PIPE RS1 RISER ELBOW TO THERMAL	JP SLEEVE	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 E	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623511	3/28/2003	BWRVIP baseline
N2D RISR PIPE RS3 RISER PIPE TO TRANSITION I	JP PIECE	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	ΧI	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 BOT	JP FOM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623469	4/3/2003	BWRVIP baseline
N2E JP09 ADAPT AD2 ADAPTER BOTTOM RING TO SPLATE	JP SHROUD BAFFLE	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 BETWEE SCREW AND INLET MIXER	JP EN RES. BRKT. SET	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 TAC	JP K WELDS	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.

ISI Identifier I Description	Line Number	Section Cat.		Inspec Reas		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
N2E JP10 ADAPT AD1 ADAPTER TOP RING TO BOTTO	JP DM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623475	4/3/2003	BWRVIP baseline
N2E JP10 ADAPT AD2 ADAPTER BOTTOM RING TO S PLATE	JP HROUD BAFFLE	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 SCREW AND INLET MIXER	JP N RES. BRKT. SET	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	JP ( WELDS	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 S	JP LEEVE	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 P	JP IECE	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623515	3/28/2003	BWRVIP baseline
,	ATTACHMENT WELD	B-N-2	B13.20	ΧI	AG	VT-1	100	VT-1	NRI	623434	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS T	O RPV					EVT-1		EVT-1	NRI	623815		

Interval: 2 Period: 3

Outage: 11

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

Interval: 2 Period: 3

		,							,			Outage. 11
ISI Identifier Description	Line Number	Section Cat.		Inspe Reas		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
	ATTACHMENT WELD	B-N-2	B13.20	ΧI	AG	VT-1	100	VT-1	NRI	623437	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO						EVT-1		EVT-1	NRI	623818		
N2G JP13 ADAPT AD1 ADAPTER TOP RING TO BOTTO	JP OM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623485	4/3/2003	BWRVIP baseline
N2G JP13 ADAPT AD2 ADAPTER BOTTOM RING TO S PLATE	JP HROUD BAFFLE	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623486	4/3/2003	Baseline of the OD of the weld
N2G JP13 DIFFUS DF1 COLLAR TO DIFFUSER	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.
N2G JP13 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN SCREW AND INLET MIXER	JP N RES. BRKT. SET	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.
N2G JP13 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK	JP ( WELDS	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623398	4/6/2003	BWRVIP baseline post JP modification. CR464877
N2G JP13 RESTRN WD1 WEDGE BEARING SURFACE	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.
N2G JP14 ADAPT AD1 ADAPTER TOP RING TO BOTTO	JP OM RING	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623488	4/3/2003	BWRVIP baseline
N2G JP14 ADAPT AD2 ADAPTER BOTTOM RING TO S PLATE	JP HROUD BAFFLE	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623489	4/3/2003	Baseline of the OD of the weld
N2G JP14 DIFFUS DF1 COLLAR TO DIFFUSER	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.
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 SCREW AND INLET MIXER	N RES. BRKT. SET											
N2G JP14 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK	JP ( WELDS	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623401	4/6/2003	BWRVIP baseline post JP modification

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Section Cat.		Inspe Reas		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
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 T	JP FO RPV	B-N-2	B13.20	ΧI	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 1	JP TO RPV	B-N-2	B13.20	ΧI	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 BOTT	JP OM RING	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623491	4/3/2003	BWRVIP baseline
N2H JP15 ADAPT AD2 ADAPTER BOTTOM RING TO S PLATE	JP SHROUD BAFFLE	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 BETWEE SCREW AND INLET MIXER	JP EN RES. BRKT. SET	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 TAC	JP K WELDS	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 BOTT	JP OM RING	NA	AUG9	AG	BL	EVT-1	40	EVT-1	NRI	623493	4/3/2003	BWRVIP baseline
N2H JP16 ADAPT AD2 ADAPTER BOTTOM RING TO S PLATE	JP SHROUD BAFFLE	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 BETWEE SCREW AND INLET MIXER	JP IN RES. BRKT. SET	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 TAC	JP K WELDS	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.

Unit 2

Interval: 2 Period: 3

ISI Identifier L Description	ine Number	Secti Cat.		Inspe Reas		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
	TTACHMENT VELD	B-N-2	B13.20	ΧI	AG	VT-1	100	VT-1	NRI	623440	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO						EVT-1		EVT-1	NRI	623821		
	ATTACHMENT VELD	B-N-2	B13.20	ΧI	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 J ADAPTER TOP RING TO BOTTO	P DM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623495	4/3/2003	BWRVIP baseline
N2J JP17 ADAPT AD2 J ADAPTER BOTTOM RING TO SH PLATE	P IROUD BAFFLE	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623496	4/3/2003	Baseline of the OD of the weld
N2J JP17 DIFFUS DF1 J COLLAR TO DIFFUSER	P	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
N2J JP17 RESTRN SET J SCRW SURFACE AS1 CONTACT SURFACE BETWEEN SCREW AND INLET MIXER	P I RES. BRKT. SET	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.
N2J JP17 RESTRN SET J SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK	P WELDS	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
N2J JP17 RESTRN WD1 J WEDGE BEARING SURFACE	P	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.
N2J JP18 ADAPT AD1 J ADAPTER TOP RING TO BOTTO	P DM RING	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623498	4/3/2003	BWRVIP baseline
N2J JP18 ADAPT AD2 J ADAPTER BOTTOM RING TO SEPLATE	P HROUD BAFFLE	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623499	4/3/2003	Baseline of the OD of the weld
N2J JP18 DIFFUS DF1 J COLLAR TO DIFFUSER	P	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

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Section Cat.	- 1	Inspec Reas		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
N2J JP18 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEE SCREW AND INLET MIXER	JP EN RES. BRKT. SET	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 TAC	JP K WELDS	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  JT PMP RISER BRACE PADS	ATTACHMENT WELD	B-N-2	B13.20	ΧI	AG	VT-1 EVT-1	100 75	VT-1 EVT-1	NRI NRI	623442 623823	4/5/2003	BWRVIP baseline EVT and ASME VT-1
N2J RISR SUP WELD B  JT PMP RISER BRACE PADS	ATTACHMENT WELD	B-N-2	B13.20	ΧI	AG	VT-1	100	VT-1 EVT-1	NRI NRI	623443 623824	4/5/2003	BWRVIP baseline EVT and ASME VT-1
N2K JP19 ADAPT AD1 ADAPTER TOP RING TO BOTT	JP FOM RING	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623501	4/3/2003	BWRVIP baseline
N2K JP19 ADAPT AD2 ADAPTER BOTTOM RING TO SPLATE	JP SHROUD BAFFLE	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 BETWEE SCREW AND INLET MIXER	JP EN RES. BRKT. SET	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 TAC	JP :K WELDS	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 BOT	JP TOM RING	NA	AUG9	AG	BL.	EVT-1	30	EVT-1	NRI	623503	4/3/2003	BWRVIP baseline
N2K JP20 ADAPT AD2 ADAPTER BOTTOM RING TO PLATE	JP SHROUD BAFFLE	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623504	4/3/2003	Baseline of the ID and OD of the weld

Interval: 2 Period: 3 Outage: 11

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

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Section Cat.	on XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
N4F UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	ΧI	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-1 RPV		т	AUG9		VT-3	100	VT-3	NRI	623804	3/18/2003	

Interval: 2 Period: 3 Outage: 11

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

ISI Identifier Description	Line Number	Section Cat.		Inspe Reas		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
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 \$4 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-B	CS-SPARGER BOX	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	CS-SPARGER RT-BOX	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	CS-SPARGER RT-BOX	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		т	AUG9			VT-3	100	VT-3	NRI	623809	3/18/2003	
N5B BRKT WELD B	ATTACHMENT WELD	B-N-2	B13.30	AG	ΧI	EVT-1	95	EVT-1	NRI	623305	3/18/2003	BWRVIP baseline and Code VT-3
CS BRKT-TO-SS OVERLAY-TO	D-WELD BUILD-UP A	т	AUG9			VT-3	95	VT-3	NRI	623810	3/18/2003	

Interval: 2 Period: 3 Outage: 11

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

Interval: 2 Period: 3

ISI Identifier Description	Line Number	Section Cat.		Inspec Reas	- 1	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
N5B-C S2 LEFT 187 DEG SPARGER PIPE TO SPARGER	CS-SPARGER T-BOX	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	CS-SPARGER T-BOX	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	ΧI		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 SHRD BAFFLE PLT-TO-SHRD WELD	SHROUD SUPT CYLINDER CI		B13.40 AUG9	XI	AG	VT-3 EVT-1	100 100	VT-3 EVT-1	NRI NRI	623592 623593	3/29/2003 3/20/2003	Inspect from lower plenum for Code
SHRD HORZ H9 SHRD BAFFLE PLT-TO-RPV (I WELD BUILD-UP PAD)	SHROUD NCLUDES MACHINE		B13.40	ΧI		VT-3	100	VT-3	NRI	623593	3/25/2003	Inspect from lower plenum for Code
SHRD SUP LEG WELD A	SHROUD SUPPORT	B-N-2	B13.30	ΧI		VT-3	100	VT-3	NRI	623608	3/25/2003	Code inspection
STUB PAD TO RPV ATTACH V	VELD											
SHRD SUP LEG WELD B	SHROUD SUPPORT	B-N-2	B13.30	ΧI		VT-3	30	VT-3	NRI	623609	3/25/2003	Code inspection
STUB PAD TO RPV ATTACH V	VELD											
SHRD SUP LEG WELD C	SHROUD SUPPORT	B-N-2	B13.30	XI		VT-3	25	VT-3	NRI	623610	3/25/2003	Code inspection
STUB PAD TO RPV ATTACH V	VELD											

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Support		Line Number	1		-	1 .	1		Results	1 '	Date	Inspection Comments
STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD B SHROUD SUPPOR	SHRD SUP LEG WELD D		B-N-2	B13.30	ΧI	VT-3	50	VT-3	NRI	623611	3/25/2003	Code inspection
SUPPORT STUB PAD TO RPV ATTACH WELD  SHRO SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRO SUP LEG WELD B SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRO SUP LEG WELD B SHROUD SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRO SUP LEG WELD B SHROUD SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRO SUP LEG WELD B SHROUD SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRO SUP LEG WELD B SHROUD SHROUD SUPPORT STUB PAD TO RPV ATTACH WEL	STUB PAD TO RPV ATTACH V											
### SHP SUP LEG WELD F SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  #### SHROUD SUPPORT SUPPORT STUB PAD TO RPV ATTACH WELD  #### SHROUD SUPPORT SUPPORT SUPPORT STUB PAD TO RPV ATTACH WELD  #### SHROUD SUPPORT SUPPORT STUB PAD TO RPV ATTACH WELD  #### SHROUD SUPPORT SUPPORT SUPPORT STUB PAD TO RPV ATTACH WELD  #### SHROUD SUPPORT SUPPOR	SHRD SUP LEG WELD E		B-N-2	B13.30	XI	VT-3	25	VT-3	NRI	623612	3/25/2003	Code inspection
SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD G SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD H SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD H SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD J SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD J SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD J SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD J SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD K SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD K SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD	STUB PAD TO RPV ATTACH V	WELD	٠									
SHRD SUP LEG WELD G	SHRD SUP LEG WELD F		B-N-2	B13.30	ΧI	VT-3	50	VT-3	NRI	623613	3/25/2003	Code inspection
STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHRD SUP LEG WELD J SHRD SUP DATE OF ATTACH WELD  SHRD SUP LEG WELD J SHRD SUP DATE OF ATTACH WELD  SHRD SUP LEG WELD L SHRD SUP DATE OF ATTACH WELD  SHRD SUP LEG WELD L SHRD SUP DATE OF ATTACH WELD  SHRD SUP LEG WELD L SHRD SUP DATE OF ATTACH WELD  SHRD SU	STUB PAD TO RPV ATTACH V	WELD						_				
### SHRD SUP LEG WELD H SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 100 VT-3 NRI 623615 3/25/2003 Code Inspection  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 80 VT-3 NRI 623616 3/25/2003 Code Inspection  #### SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 100 VT-3 NRI 623618 3/25/2003 Code Inspection  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 50 VT-3 NRI 623619 3/25/2003 Code Inspection  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 50 VT-3 NRI 623619 3/25/2003 Code Inspection  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 50 VT-3 NRI 623619 3/25/2003 Code Inspection  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 50 VT-3 NRI 623620 3/25/2003 Code Inspection  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 100 VT-3 NRI 623621 3/25/2003 Code Inspection  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 100 VT-3 NRI 623621 3/25/2003 Code Inspection  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.30 XI VT-3 100 VT-3 NRI 623621 3/25/2003 Code Inspection  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  #### B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778 3/21/2003	SHRD SUP LEG WELD G		B-N-2	B13.30	XI	VT-3	25	VT-3	NRI	623614	3/25/2003	Code inspection
SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD J SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD K SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT SUPPOR	STUB PAD TO RPV ATTACH V	WELD				_						
SHRD SUP LEG WELD J SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD K SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT SUP	SHRD SUP LEG WELD H		B-N-2	B13.30	XI	VT-3	100	VT-3	NRI	623615	3/25/2003	Code inspection
SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD K SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD VERT H6B/H7 270  SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778  3/25/2003 Code Inspection  3/25/2003 Code Inspection	STUB PAD TO RPV ATTACH \	WELD										
SHRD SUP LEG WELD K SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT SUPPORT SUPPORT SUPPORT SUPPORT SUPPORT SUPPORT SUPPORT SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT SUPPORT SUPPORT SUPPORT SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT SUPPORT SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD VERT HOB/HT 270 SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623678 3/21/2003	SHRD SUP LEG WELD J		B-N-2	B13.30	ΧI	VT-3	50	VT-3	NRI	623616	3/25/2003	Code Inspection
SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD VERT H6B/H7 270 SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778 3/21/2003	STUB PAD TO RPV ATTACH \	WELD						_				
SHRD SUP LEG WELD L SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD VERT H68/H7 270 SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778 3/21/2003	SHRD SUP LEG WELD K		B-N-2	B13.30	XI	VT-3	80	VT-3	NRI	623617	3/25/2003	Code inspection
SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD M SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD VERT H6B/H7 270 SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778 3/21/2003	STUB PAD TO RPV ATTACH \	WELD										
SHRD SUP LEG WELD M SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  B-N-2 B13.30 XI VT-3 50 VT-3 NRI 623620 3/25/2003 Code inspection  STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  B-N-2 B13.30 XI VT-3 100 VT-3 NRI 623621 3/25/2003 Code inspection  STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  SHRD VERT H6B/H7 270 SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778 3/21/2003	SHRD SUP LEG WELD L		B-N-2	B13.30	XI	VT-3	100	VT-3	NRI	623618	3/25/2003	Code Inspection
SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD N SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT STUB PAD TO RPV ATTACH WELD  SHRD VERT H6B/H7 270 SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778 3/21/2003	STUB PAD TO RPV ATTACH V	WELD										
SHRD SUP LEG WELD N         SHROUD SUPPORT         B-N-2         B13.30         XI         VT-3         50         VT-3         NRI         623620         3/25/2003         Code inspection           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           STUB PAD TO RPV ATTACH WELD         SHROUD         B-N-2         B13.40         AG         XI         VT-3         100         VT-3         NRI         623778         3/21/2003	SHRD SUP LEG WELD M		B-N-2	B13.30	XI	VT-3	50	VT-3	NRI	623619	3/25/2003	Code inspection
STUB PAD TO RPV ATTACH WELD  SHRD SUP LEG WELD P SHROUD SUPPORT  STUB PAD TO RPV ATTACH WELD  STUB PAD TO RPV ATTACH WELD  SHRD VERT H6B/H7 270 SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778 3/21/2003	STUB PAD TO RPV ATTACH V	VELD										
SHRD SUP LEG WELD P         SHROUD SUPPORT         B-N-2         B13.30         XI         VT-3         100         VT-3         NRI         623621         3/25/2003         Code inspection           STUB PAD TO RPV ATTACH WELD           SHRD VERT H6B/H7 270         SHROUD         B-N-2         B13.40         AG         XI         VT-3         100         VT-3         NRI         623778         3/21/2003	SHRD SUP LEG WELD N		B-N-2	B13.30	ΧI	VT-3	50	VT-3	NRI	623620	3/25/2003	Code inspection
SUPPORT STUB PAD TO RPV ATTACH WELD SHRD VERT H6B/H7 270 SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778 3/21/2003	STUB PAD TO RPV ATTACH \	WELD										
SHRD VERT H6B/H7 270 SHROUD B-N-2 B13.40 AG XI VT-3 100 VT-3 NRI 623778 3/21/2003	SHRD SUP LEG WELD P		B-N-2	B13.30	ΧI	VT-3	100	VT-3	NRI	623621	3/25/2003	Code inspection
	STUB PAD TO RPV ATTACH \	WELD										
		SHROUD	B-N-2	B13.40	AG X	I VT-3	100	VT-3	NRI	623778	3/21/2003	

												Outage: 11
ISI Identifier Description	Line Number	Section Cat.	on XI Item		ection ison	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
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	ΧI	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	ΧI	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	ΧI		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	ΧI		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	ΧI		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												

ISI Identifier Description	Line Number	Section Cat.		Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
SHROUD SUP LEG J	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	40	VT-3	NRI	623602	3/25/2003	Code inspection
LOWER PLENUM	SUPPORT										
SHROUD SUP LEG K	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	50	VT-3	NRI	623603	3/25/2003	Code inspection
LOWER PLENUM	SOFFORT										
SHROUD SUP LEG L	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	25	VT-3	NRI	623604	3/25/2003	Code inspection
LOWER PLENUM	SOFT OIT										
SHROUD SUP LEG M	SHROUD SUPPORT	B-N-2	B13.40	ΧI	VT-3	50	VT-3	NRI	623605	3/25/2003	Code inspection
LOWER PLENUM	0011 0111										
SHROUD SUP LEG N	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	50	VT-3	NRI	623606	3/25/2003	Code inspection
LOWER PLENUM	0011 0										
SHROUD SUP LEG P	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	100	VT-3	NRI	623607	3/25/2003	Code inspection
LOWER PLENUM	0011 0111										
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	ΧI	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	ΧI	VT-3	30	VT-3	NRI	623741	3/25/2003	Code Inspection / Made accessible by Jet Purnp Labyrinth Seal modification
STUB TUBE 02-39 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30		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		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		VT-3	30	VT-3	NRI	623744	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification

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ISI Identifier Description	Line Number	Section XI Cat. Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	R <del>ep</del> ort Number	Date	Inspection Comments
STUB TUBE 06-47 STUB TUBE	LOWER PLENUM	B-N-2 B13.40 B13.30		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		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		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		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		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		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		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		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		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		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		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		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		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		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		VT-3	25	VT-3	NRI	623759	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification

ISI Identifier Description	Line Number	Section XI Cat. Item	Inspection Reason	Required Exam	Code Cov <del>e</del> rage	Actual Exam	Results	Report Number	Date	Inspection Comments
STUB TUBE 38-03 STUB TUBE	LOWER PLENUM	B-N-2 B13.40 B13.30		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		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		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	• • • •	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		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		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		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		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		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		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		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		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		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		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		VT-3	25	VT-3	NRI	623775	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification

							Ottic	. 4				Outage: 11
ISI Identifier Description	Line Number	Secti Cat.	lon XI Item	•	ection eson	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			VT-3	30	VT-3	NRI	623776	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification
SURV SPEC BRKT 3A	VESSEL ATTACHMENT WELDS	B-N-2	B13.30	ΧI	AG	VT-3	100	VT-3	NRI	623625	3/31/2003	Code and BWRVIP
SURV SPECM BRKT-TO-S SS OVERLAY AT RPV	S WELD BUILD-UP PAD	-TO-										
SURV SPEC BRKT 3B	VESSEL ATTACHMENT WELDS	B-N-2	B13.20	ΧI	AG	VT-1	100	VT-1	NRI	623626	3/20/2003	Code and BWRVIP
SURV SPECM BRKT-TO-S SS OVERLAY AT RPV	S WELD BUILD-UP PAD	-TO-										
TOP GUIDE 14-31 PLATE	TOP GUIDE	B-N-2	B13.40	ΧI		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	ΧI		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	ΧI		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	ΧI		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	ΧI		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	ΧI		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	ΧI		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	ΧI		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	ΧI		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

Interval: 2 Period: 3

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

מו	S/N	wo	Origin		Test Num	Results	Repl S/N	Comments	schd_memo
.SZ		7 MM C 7 MB 7 7 4 8 8 7 7 8						) g   Mê (' g   pag g g g g g g g g g g g g g g g g g g	
DBA201-H006	02168								
3									
DBA201-H012	19822	375114	S	3/24/2003	058	P			replaced 1 washer
3	4444								
DBA201-H015 10	14417								
DBA201-H016	19487							•	
3									
DBA201-H021	19503								
3									
DBA201-H029	14411	375120	R	3/24/2003	059	P			
10	19482								
DBA201-H030 3	1340Z								
DBA202-H007A	09476								
35									
DBA202-H007B	9494								
35				0 ma maga		_			
DBA202-H010	03291	462127	EXP	3/28/2003	099	Р			
35 DBA202-H012	09450								
35	05700								
DBA205-H006A	18564								
1									
DBA205-H006B	23395								
1						_			
DBA205-H007	01239	462400	EXP	3/29/2003	108	Р			
10 DBA205-H008	01240	462400	EXP	3/29/2003	107	Р			
10	01240	702900	le∧l"		107	•			
DBA205-H011	16325	375121	s	3/26/2003	079	F	14209		CR-462381 Snubber failed
10	-								functional testing in the acceleration mode. EWR462394
									no effect to the piping system.
·									
DBA205-H016	00136								
.05 DBA205 H017	00137								
<i>DBA205-H017</i> .05	W101								
.03 DBA208-H002	19472								
9									
Monday, June 02, 2003									Page 1 of 23
wichday, Julie 02, 2005					, N -				· -g- ·

ID e7	S/N	WO	Origin		Test Num	Results	Repl S/N	Comments	schd_mema
.sz			* * * *** * * * * * * * * * *		P4 + a 120 4 + 120 3 + 120 4 4 4			0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
DBA208-H005 3	19755								
DBA208-H017 3	19494								
DBA208-H019 3	06805								
DBB201-H010A 35	01153								
DBB201-H010B 35	01152								
DBB201-H011A 10	14412	462404	EXP	3/31/2003	128	P			
DBB201-H011B 10	04121	462404	EXP	3/31/2003	127	P			
DBB201-H017 3L	00220								
DBB201-H024 100	02432	375122	R	3/13/2003	029	Р			Snubber has clevis and a reduced stroke bottoms out at 1 inch go to 1 1/2*
DBB201-H03A 35	01309								
DBB201-H03B 35	01306								
DBB202-H004A 35	01156								
DBB202-H004B 35	09485								
DBB202-H010A 35	02765								
DBB202-H010B 35	09531								
DBB202-H012A 10	02575	462563	EXP	3/31/2003	125	P			
DBB202-H012B 10	13677	462563	EXP	3/31/2003	126	P			
DBB203-H003A 10	02563								
DBB203-H003B 10	02568								
DBB203-H009A 35	01271								

D SZ	S/N	WO	Origin		Test Num	Results	Repl S/N	Comments	schd_memo
)BB203-H009B	01272	• em s = em 4 • ept • 4 ***			7		æ		
35 DBB203-H011A	13676								
10 DBB203-H011B	02562								
10 DB <i>B203-H016</i>	00274								
3L DBB203-H021A	00531	375124	R	3/13/2003	021	P			
100 DBB203-H021B 100	01573	375124	R	3/13/2003	028	P			
DBB204-H002A 35	01278								
DBB204-H002B 35	01260								
DBB204-H004A 35	01171								
DBB204-H004B 35	01166								
DB <i>B204-H007A</i> 10	14771								
DBB204-H007B 10	00384								
DBB204-H016 3L	00400	462235	EXP	3/31/2003	121	P			
DBB204-H017A 100	01595	375125	R	3/15/2003	034	P			
DBB204-H017B 100	02397	375125	R	3/15/2003	033	Р			
DBB205-H002 100	01597								
DBB205-H009 35	03634								
DBB209-H016 3	19776	462234	EXP	3/31/2003	122	P			
DBB209-H018	14375								
1/2 DBB209-H021	00134								
.05 DBB209-H022 .05	00135								

D SZ	8/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	echd_memo
					*********				
DBB214-H025 .12	00118								
DBB214-H026	00119								
.12									
DBB214-H027 .12	00122								
DBB214-H028	00138								
	00100								
.05	40050								
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
10									in the acceleration mode (CR
••									458496). Wyle tore down clear
									and retested snubber prior to it
									reinstallation, replaced 2 washers. EWR 458535 no eff
									on the system.
	40004	450474	<b>5</b> \ <b>6</b>	3/15/2003	***	_			·
DBB220-H011	12961	458471	EXP	3/10/2003	039	P			
10									
DBB220-H015	14425								
10									
DBB220-H017	00405								
10L									
DBB220-H052	13667								
	10001								
10	44400								
DBB220-H053	14408								
10									
DBB222-H068	19540	375128	S	3/20/2003	050	P			
3									
DBD201-H024AA	14762								
10									
DBD201-H024AB	14760								
	14700								
10	4.554								
DBD201-H024BC	14761								
10									
DBD201-H024BD	14763								
10									
DBD201-H027	10725								
35	•								
	10694	462960	EXP	3/31/2003	117	P			
DB <b>D2</b> 01-H032	10034	402300	CAP		117	r			
446									
35									

ID SZ	S/N	wo	Orlgin	Test Date	Test Num	Results	Repl S/N	Comments	echd_memo
	10697	461709	EXP	3/26/2002	091	P	) (Miler () () 4000 () () 4000 () () () () () () () () () () () () ()	t y (m) ( t CO 20 CO 20 CO 20 CO 20 CO CO ( t y y ) (d t CO	
DBD201-H036B 35	01364	461709	EXP	3/28/2003	092	P			
DBD201-H051 35	09497	462960	EXP	3/31/2003	118	P			Replaced one ext locking ring washer
DBD201-H052 35	09464	462960	EXP	3/31/2003	116	P			
DBD201-H054A 35	03375	462960	EXP	3/31/2003	120	P			
<i>DBD201-H054B</i> 35	10711	462960	EXP	3/31/2003	119	Р			Replaced 1 snap ring and 1 locking ring washer
DBD201-H057 <b>35</b>	09513								
DBD201-H060 <b>35</b>	09463								
DBD201-H063 35	09498								
DBD205-H017 <b>35</b>	09452								
DBD205-H022A 35	07405								
DBD205-H022B <b>35</b>	09471								
<i>DBD205-H023A</i> <b>10</b>	14406								
<i>DBD205-H023B</i> 10	14407								
DCA202-H003 3	06072	375129	S	3/24/2003	Ó <b>57</b>	F	06073		CR- 461722 Snubber failed functional test in Acceleration mode. EWR 461723 no effect on the piping system.
DCA202-H004B 3	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 poeition for this snubber as it is no longer a double hanger.

ID SZ	8/N	WO	Origin		Test Num	Results	Repl S/N	Comments	schd_memo
DCA202-H007	19447	461726	EXP	3/26/2003	081	P		7 T Mac ( 1985 9 11 MM 2 8 MM 3 3 MM 9 3 MM 9 4 MM 9 4	
DCA203-H009 1	20821								
DCA207-H007 35	07402								
OCA207-H012 35	00800								
35 DCA207-H015 35	09522								
35 DCA207-H016 35	03477								
OCA208-H004 35	02800	461713	EXP	3/27/2003	084	P			replaced ext locking ring washe
OCA208-H005 35	07389	461713	EXP	3/27/2003	083	P			Replaced ext locking ring wash
OCA208-H006 35	03253	340084	s	3/24/2003	051	P			
DCA208-H007 35	07400	375131	S	3/24/2003	055	F	01348		CR-461683 Snubber failed functional testing in the acceleration mode. EWR 46188 no effect to the piping or pipe support. replaced 1 ext locking ring washer.
OCA210-H010 35	03777								
OCA210-H019 35	03203								
35 35	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 shee
OCA210-H021 35	03758								
OCA210-H026 35	02758	375133	s	3/25/2003	067	P			
CA210-H029 100	01628								
0CA210-H030 35	03677								
0CA210-H032 100	01575								

ID SZ	8/N	Wo	Origin		Test Num	Results	Repl S/N	Comments	sohd_memo
DCA211-H003	04123	371284	EXP	3/11/2003	010	P	en y y 160 f is en sû fin a sek j	4 MI TH 1991 I - 407 B 7 1997 2 9 MA TH 1991 H 1981 H B 1	M, () () () () () () () () () () () () ()
DCA211-H005 3	19466	371284	EXP	3/11/2003	011	P			
DCA211-H014 10	08711								
DCA211-H015 10	14168								
DCA211-H019 10	14757								
DCA211-H035	14179	371284	EXP	3/11/2003	009	Р			Replaced 2 washers
DCA211-H036 10	12271								
DLA201-H003	00120	375134	s	3/27/2003	085	P			replaced 4 washers
DLA202-H002 100	01572								
DLA202-H011 35	10685								
DLA202-H012 35	00922								
DLA202-H014 35	03680								
DLA202-H08B 100	02398								
DLA202-H09B 35	01179								
DLA203-H003 100	01568	375135	F	3/27/2003	082	P			
DLA204-H005 35	03216								
DLA204-H008B 100	01559								To be consistent 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.
DLA204-H009A 35	02560								To be consistent 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.

ID SZ	S/N	WO	Origin		Test Num	Results	Rept S/N	Comments	echd_memo
DLA204-H011	07523	: • # • • • • • • • • • • • • • • • • •	M 1 1 COL 1 1 US 1 0 C			1 E E STOR E I CENTRA E E	<b>4</b>   1 ap 1 1 <b>in 1 i</b> ii 1 ap 1 c co	1 5 Min 1 2 and 6 1 Min 1 1 am 1 2 min 1 3 Am 2 2 am 2 1 1	
35 DLA204-H012	00813								
35 DLA204-H014 35	03679								
EBB202-H003 1/4	22888								
EBB202-H054	20410								
EBB202-H055 1	20414								
EBB202-H056 1	20413								
EBD202-H002A 3	03557								
EBD202-H002B 3	03558								
EBD202-H007 10	03168								
EBD202-H008A 35	09517								
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 35	09501	375137	S	3/12/2003	020	P			indicator tube towards pipe ( Top snubber )
EBD202-H018B 35	09500	375137	s	3/12/2003	019	P			replaced locking washer
EBD202-H020 35	02581								
EBD202-H022A 3	06831								
EBD202-H022B 3	06832								
EBD202-H029 35	03764								
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ID SZ	S/N	wo	Origin		Test Num		Repl S/N	Comments	schd_memo
	14200		~					) 4 CON C 4 CON 4 2 THA	
EBD202-H030	14200								
10 <i>EBD202-H031</i>	02606								
35	02.000								
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 55000 Hoss	00500								
EBD202-H048	09523								
35 EBD202-H051	02559								
35	UE.UUJ								
EBD202-H052A	09507								
35									
EBD202-H052B	09508								
35									
EBD202-H054A	02584								
<b>35</b> .									
EBD202-H054B	02590								
35									
EBD202-H061A	03487								
3					•				
EBD202-H061B	03484								
3	46.00								
EBD202-H065A	19495								
3 555500 H0055	00404								
EBD202-H065B	03124								
3 EBD202 H066	09499								
EBD202-H066	USASS								
35 EBD202-H067	19493								
3	10700								
J									

D SZ	8/N	WO	Origin		Test Num		Repi S/N	Comments	schd_memo
							(III) 0 9 900 0 5 000 0 0 000 0 0 000	1 4 400 C C 000 C 1 100 2 C 000 C C C 000 C C 000 C C C 000 C C C 000 C C 000 C C C 00	i il y sea û jî
EBD202-H068A 35	09509								
EBD202-H068B 35	09510								
EBD209-H001 3	19473	375139	R	3/11/2003	013	P			
EBD209-H002	17227	375140	R	3/12/2003	016	P			
1 E <i>BD209-H004A</i> 1	21541	375141	F	3/12/2003	014	P			
: E <i>BD209-H004B</i> 1	20415	375141	F	3/12/2003	015	Р			
BD210-H002 3L	00392								
EBD210-H004	25260								
3 EBD210-H005	19588								
3 EBD213-H004	25289								
3 EBD213-H005	25281								
3 BD214-H057	14166								
10 GBB202-H052	14439								
1/2 GBB204-H003	01340								
35 GBB204-H021 35	03690								
35 GBB204-H082 35	03190								
GBB204-H083 35	11023								
9BB204-H089 10	03153								
GBB204-H093 35	06966								
35 GBB204-H095 35	06958								
35 GBB204-H101 35	09447								

ID SZ	S/N	WO	Origin	Test Date	Test Num	Results	Rep! S/N	Comments	schd_memo
GBB205-H085A	03691	461714	EXP	3/27/2003	090	P			0 ( date 0 1 100 0 ) date t 0 date 0 date 0 1 lane 0 0 mas 0 1 mas 0 1 mas 0 1 date 0 1
35									
GBB205-H085B 35	03689	461714	EXP	3/27/2003	089	P			
GBB205-H089A 35	10714								
GBB205-H089B 35	09487								
GBB206-H018 35	03250								
GBB206-H051 35	09444								
GBB207-H027A 10	12402								
GBB207-H027B 10	04373								
GBB209-H058A 35	09529								
GBB209-H058B 35	09530	Y60171				X			
GBB209-H060A 35	09527								
GBB209-H060B 35	09526								
GBB209-H067 10	03470	375142	S	3/14/2003	030	P			INDICATOR TUBE TOWARDS THE VALVE.
GBB210-H050 1	20828								
GBB210-H053 1	20827								
<i>GBB211-H052</i> 1	02418								
<i>GBB211-H054</i> 1	21573								
GBB212-H058 3	19524								
GBB218-H012 3	19446								
GBC201-H102 35	03217								
GBC201-H107 35	03675								
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ID SZ	S/N	WO	Orlgin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
GBC201-H115 35	03268	. 4 1					555 S T 1564 \$ 3 556 6 6 566 5 4 566 5 6	6 mm e f 400 0 4 gaz y 2 gaz 4 5 gaz y 2 4 dan 4 4 dan 4 9 da	
GBC201-H116 35	03277								
GBC201-H119A 35	03733								
GBC201-H119B 35	03732								
GBC201-H120 35	04097								
GBC201-H122 35	04099	375148	S	3/25/2003	064	P			Replaced one snap ring
GBC201-H125A 35	10891	375166	S	3/25/2003	069	P			Replaced ext locking ring washer
GBC201-H125B 35	03649	375166	S	3/25/2003	068	Р			Replaced ext locking ring washer
GBC201-H134 35	03223	375168	S	3/26/2003	074	Р			replaced snap ring
GBC201-H137A 10	03491								
GBC201-H137B 10	12955								
GBC201-H141 35	03288	375169	S	3/29/2004	106	Р			
GBC201-H143A 35	03199								
GBC201-H143B 35	03245								
GBC201-H144 35	06948								
GBC201-H147 35	03282								
GBC201-H148 35	03258								
GBC201-H154 35	03776								
GBC201-H157 35	07398								
GBC201-H162 35	03280								
35 GBC201-H163 35	02744								
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ID SZ	\$/N	wo	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
GBC201-H165 35	04122		411911914					1 T TOTAL O TOTAL E O COMO E O TOTAL O TOTAL O TOTAL O COMO E O TOTAL O COMO E O TOTAL O COMO E O TOTAL O COMO	
GBC201-H166 35	03271								
GBC201-H168 35	03247								
GBC201-H180 35	03254								
GBC201-H181 35	03278								
GBC201-H183 35	03237								
GBC201-H187 35	03632								
GBC201-H193 <b>3</b> 5	03686								
<i>GBC201-H196</i> <b>3</b> 5	03255								•
GBC201-H197 35	03662								
GBC201-H203 35	10688								
GBC201-H212 35	07390								
GBC201-H217 35	07397								
GBC201-H218 35	03486								
GBC201-H219A 35	02681								
GBC201-H219B 35	03743								
GBC201-H220A 35	03170								
GBC201-H220B 35	03174								
GBC201-H221A 35	03744								
GBC201-H221B 35	01157								
GBC201-H225 35	00918								

ID SZ	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
GBC201-H231 35	03670	am 10 am 10 am 10	ed) 0 1 100 0 1 600 0 6 c	ng a di Jank 4 de (mg a ja mai) 4 a d	PC T D SEE D D D D D SEE D D D D	0 0 00; G 0 00; G 1 446 0 1	540 Q 1, 160 Q 2 554 Q 0 550 Q 1, 160 Q	4 dis 1 s and 0 s and 1 s and 2 o dis 1 o and 0 o dis 4 o dis	
GBC201-H232 35	08649								
GBC201-H233	03476								
35 <i>GBC201-H237A</i> 35	08636								
GBC201-H237B 35	08640								
GBC201-H242 35	04120								
GBC201-H247 35	03687								
GBC201-H248 35	03478								
GBC201-H252 35	03674								
GBC201-H253 35	03671								
GBC201-H254A 35	03734								
GBC201-H254B 35	03735								
GBC201-H255 35	03769								
GBC201-H262 35	03688								
GBC201-H265 35	07392								
GBC201-H272 35	03721								
GBC201-H273 35	03191								
GBC201-H276 35	03204								
GBC201-H277A 35	03215								To be consistent 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.

ID SZ	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
								in 1 g day 0 d wit 0 0 vist 0 1 gas 0 2	
GBC201-H281 35	03723								
<i>GBC201-H301</i> <b>10</b>	14214	462565	EXP	3/29/2003	109	P			
GBC201-H318A 10	14213	461874	EXP	3/27/2003	087	P			
GBC201-H318B 10	14212	461874	EXP	3/27/2003	088	P			
GBC201-H332 35	09519								
<i>GBC201-H336</i> 10	02508	461871	EXP	3/27/2003	086	F	14184		CR-462558 Snubber failed functional testing in the acceleration mode. EWR 462561 no effect to the piping system.
GBC201-H338 10	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.
GBC201-H342 35	09468								
GBC205-H052A 10	14423								
GBC205-H052B 10	14424								
GBD222-H005 10	14198								
HBB201-H003 35	10706	375174	S	3/10/2003	001	P			replaced locking washer
HBB201-H005 3	19545								
<i>HBB204-H051</i> <b>10</b>	14414	375176	s	3/18/2003	044	P			
HBB208-H003 35	09443	375191	s	3/10/2003	008	P			
HBC217-H011 10	14422								
HBD201-H001 35	03669								
HBD201-H003 3	06840								•

ID SZ	8/N	wo	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
HBD201-H004	06834	7 AND 8 4 CAM 8 4 CAM 9 4 A	**********	************		n a a are 5 0 400 T 4 ada 4 a	(A) ( ( (A) ( ) ( ( ) ( ) ( ) ( ) ( ) (		
3 <i>HBD201-H005</i> 3	06835	375194	s	3/13/2003	024	P			
HBD201-H006 10	14426								
HBD201-H008 35	01503								
HBD201-H010A 10	12952								
HBD201-H010B 10	04258								
HBD201-H011 3	19546	375195	s	3/12/2003	017	Р			EXTENSION TOWARD PIPE
HBD201-H012A 3	03137								
HBD201-H012B 3	02116								
HBD201-H016A 10	13680	375197	S	3/13/2003	025	P			
HBD201-H016B 10	14194	375197	S	3/13/2003	026	P			Replaced 1 snap ring
HBD201-H017 3	19508								
HBD201-H018 1	20411								
HBD201-H020 35	09536								
HBD203-H001A 10	04260								
HBD203-H001B 10	04259								
<i>HBD203-H003A</i> <b>1</b>	04996								
HBD203-H003B 1	17226								
HBD203-H004A 100	01599	375198	S	3/13/2003	027	P			
HBD203-H004B 100	01570	375198	R	3/12/2003	018	P			
HBD203-H006A 10	04572								
Monday June 02 2002									Dana 40 of 00

ID SZ	S/N	WO	Origin	Test Date	Test Num	Results	Rept S/N	Comments	schd_memo
HBD203-H006B	04571	1 mb a 1 mb 0 ty gd 0 1 1 11	**,-**	1 0 7 9FF T 7 99FF T 7 FFF F F F F	PO 1 2 TEX T 2 MAP O P PAP S 4 P	9 7 7 709 ij y 1910 0 1 1 1 1 1 1 1		**************************************	10 m t 10m t 1 gan 1 y 100 n y 1400 0 0 000 0 1 gan 1 t 1600 0 1 90 1 9 407 6 4 607 6 4
HBD203-H008A 1	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.
HBD203-H008B	23387	375208	R	3/13/2003	023	P			
HBD203-H009AA 35	10892								
HBD203-H009AB 35	10893								
HBD203-H009BC 100	01567								
HBD203-H011A 10	04574								
HBD203-H011B 10	04576								
<i>HBD203-H013A</i> <b>1</b>	12202								
HBD203-H013B 1	04989								
HCB203-H053A 35	08651	461716	EXP	3/28/2003	094	P			
HCB203-H053B 35	08652	461716	EXP	3/28/2003	093	P			
HCC203-H056 1	20832								
HCC206-H006 <b>10</b>	14431	375212	S	3/14/2003	032	P			INDICATOR TUBE TOWARDS THE PIPE.
HCC206-H010A 3	19840								
HCC206-H010B	19806								
HRC224-H080	20794								
HRC228-H030	02868								
1 <i>MSL200-H001</i> 35	09528	375214	R	3/17/2003	043	P			tapered pin used instead of load stud

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D 87	S/N	wo	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
							<b>#</b>     <b>#</b>     <b>#</b>     <b>#</b>		
MSL200-H002 35	03747	375215	R	3/11/2003	012	Р			replaced locking washer
MSL200-H003 35	00882	375216	R	3/15/2003	036	P			replaced locking washer
MSL200-H007 35	01301	375218	R	3/15/2003	035	P			
MSL200-H009A 35	09483	375219	R	3/10/2003	002	P			Replaced kotter pin and 1 washer. Eye rod end may need replacing can't staked bushing is anymore.
MSL200-H009B 35	08610	375219	R	3/10/2003	003	P			
M <i>SL200-H010A</i> 35	09445	375220	R	3/15/2004	037	P			replaced locking washer and snap ring
MSL200-H010B 35	03672	375220	R	3/15/2003	038	P			
MSL200-H011A 35	03750	375221	R	3/17/2003	041	P			replaced locking washer and indicator screw
MSL200-H011B 35	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.
MST222-H011 35	03479								
MST222-H012 35	03274								
MST222-H016 35	03284								
MST222-H017 100	01601								
MST222-H019 35	03249								
MST222-H020 35	03275								
MST222-H022 100	01577								
MST222-H024 35	02679								
MST222-H027 35	03286	375228	s	3/25/2003	070	Р			
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D SZ	SAN	wo	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
MST222-H029 35	03663		10 S T TAN 8 T GAN 9 S GA	1 0 1 Wo 1 0 M2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	***************************************				
MST222-H030 35	07393								
/IST222-H031 35	06947								
<i>1ST222-H032</i> 35	03714								
1ST222-H035 35	03272	375230	s	3/28/2003	054	P			replaced ext locking ring was
1ST222-H036A 35	03209								
1ST222-H036B	03212								
35 //ST222-H037	01563								
100 //ST222-H038	02431	375232	s	3/25/2003	062	P			
100 IST222-H039	07385	375235	s	3/25/2003	063	P			Rreplaced spherical bushing
35 1ST222-H041	03489								
35 IST222-H042A	08621								
35 IST222-H042B	01184								
35 IST222-H044	03473	375237	s	3/25/2003	065	Р			
35 IST222-H047	02659								
35 IST222-H048	01565								
100 IST222-H049	03364								
35 IST222-H050	02847								
35 WS200-H012	03492	462125	EXP	3/28/2003	096	P			
35 WS200-H014	07526	462126	EXP	3/28/2003	097	Р			
35 <i>WS200-H025A</i> 35	03772	462125	EXP	3/29/2003	102	P			
londav. June 02. 2003									Page 10 of 22

ID SZ	S/N	WO	Origin		Test Num	Results	Repl S/N	. Comments	schd_memo
RWS200-H025B	03771	462125	EXP	3/29/2003	100	P		PRI 2 D 1984 S S S 1886 S V 1985 S V 1987 S V 2087 S V 1986 V S 1986 V S S PR	
RWS200-H026A 35	01532	462956	EXP	3/31/2003	115	P			
RWS200-H026B 35	03774	462956	EXP	3/30/2003	114	P			
RWS200-H029 35	03708	462125	EXP	3/29/2003	101	P			
RWS200-H030 35	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.
RWS200-H031 35	03710	462956	EXP	3/30/2003	112	P			Replaced one load stud and two heavy hex nutedamaged during removal
RWS200-H032 35	03713	462956	EXP	3/30/2003	113	P			
RWS200-H033 35	12629	462125	EXP	3/29/2003	105	P			
RWS200-H034 35	07387	375240	s	3/24/2003	053	P			replaced 1 locking ring washer
RWS200-H035 35	03717	375259	S	3/29/2003	104	P			
RWS200-H036 35	03715	375260	s	3/25/2003	066	P	01368		Snubber replaced due to end cap and adapter nut not able to be torqued.
RWS200-H038 35	09454	462126	EXP	3/28/2003	098	P			
RWS200-H040 35	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.
RWS200-H041 100	00571	375262	s	3/26/2003	075	Р			
RWS200-H042 100	01797								
RWS200-H044 100	02427								
RWS200-H046 100	00632								

ID	S/N	wo	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
8Z							4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
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									SHUDDER ART 044-32
SPDBB208-H0017	09937	406052		3/19/2003	046	F			Modification 352976 removed
1/2									snubber from field. CR 460390
<del></del>									Snubber failed final running drag mode, EWR 460391 No effect to
									the system.
									-
SPDBB208-H0087	14462	406052		3/19/2003	049	P			Modification 352976 removing
1/2									snubber from field reference AR 344492
									0-1-1-32
SPDBB208-H0088	20824	406052		3/19/2003	048	P			Modification 352976 removing
1									snubber from field reference AR
•									344492
SPDBB208-H0089	09922	406052		3/19/2003	045	Р			Modification 352976 removing
1/2	OUUL	700002			0-10	•			snubber from field reference AR
1/2									344492
00000001 U50001	04540	100000	EVD	3/31/2003	100	ь.			
SPDBB221-H5006A	21546	463062	EXP	3/31/2003	123	P			
1	04545	400000	F\#	3/31/2003	101				
SPDBB221-H5006B	21545	463062	EXP	0/01/2003	124	P			
1	40576								
SPDBB221-H5012	18579								
1									

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ID	8/N	wo	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
\$Z					*******				1 - 1
SPDBB221-H5013 1	18567								
SPDCA202-H0010 3	19479	375266	F	3/25/2003	071	Р			
SPDCA202-H0020	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 consistent 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	21557								
SPDCA243-H5001B	00242								

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

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### 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 – 11<sup>th</sup> RIO.

# APPENDIX D ASME REPAIRS AND REPLACEMENTS NIS-2 FORMS

## APPENDIX D.1 MECHANICAL MAINTENANCE NIS-2 FORMS

#### PAGE 1 OF 7

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

#### 1.0 <u>INTRODUCTION</u>

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

WAWO No	<u>522 FORM NO.</u>	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

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#### SYSTEM NO. 234F, ASME CLASS III

282716 282716 282714	01-234-007 01-234-008 01-234-001	2E228A, Repaired heat exchanger by welding 2E228A, Repaired heat exchanger by welding 2E228B, Repaired heat exchanger by welding and Replacement of Flex Hose
		SYSTEM NO. 234G, ASME CLASS III
434729 385890 434731 385887	02-234-013 02-234-003 02-234-012 02-234-004	2E230A, Repaired heat exchanger by welding 2E230B, Repaired heat exchanger by welding 2E230C, Repaired heat exchanger by welding and Replacement of Flex Hoses 2E230D, Repaired heat exchanger by welding
		SYSTEM NO. 234U, ASME CLASS III
301158 301157	02-234-009 02-234-007	HV27203B, Repaired valve body flange by welding 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 352774	02-245-002 01-245-002	HV241F032B, Replaced valve bonnet plug, Repaired bonnet HV241F023B, Soft seat retainer tack welds to valve disc.
		SYSTEM NO. 249A, ASME CLASS II
326172	01-249-017	SPHBC239-3, SPHBC240-3, Replaced 1/2" diameter bolting
		SYSTEM NO. 249B, ASME CLASS II
358486	03-249-003	2E205B, Replaced heat exchanger 1-3/8" diameter bolting.
		CVCTEM NO 240D ACME OF ACCE.
459204	03-249-004	SYSTEM NO. 249D, ASME CLASS II  GBB217-1, Repaired FW-13 and FW-15, ISI –UT Exam Surface Prep
700207	00 2 10 00T	
		SYSTEM NO. 249G, ASME CLASS I
440099 439023 462143	03-249-002 03-249-006 03-249-007	HV251F122B, Replaced valve plug/stem assembly HV251F050B, Replaced valve disc and machined replacement disc SPDCA208-H5001, Replaced SPD clip Replacement by welding

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#### SYSTEM NO. 250A, ASME CLASS II

397209	02-250-002	2P203, Repaired pump by welding
		SYSTEM NO. 250B, ASME CLASS II
359128 422093 459488	02-250-001 02-250-003 03-250-002	PSE2D001, PSE2D002, Replaced Rupture Disc and Vacuum Support 249F040, Repaired valve disc by mechanical means 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
V93219 V93218	02-253-002	2P208B, Replaced Pump Plunger
102418	02-253-004	2P208A, Replaced Pump Plunger
359144	02-253-007	248F004A, Replaced inlet fitting and trigger assembly
359144 359146	02-253-007	248F004B, Replaced inlet fitting and trigger assembly
463642	03-253-002	SPDCB201-H61, Replaced SPD Clip, Replacement by welding
700072	00-200 002	or Bobzot tion, replaced of Bone, replacement by welling
		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
		O I O I BITT HOUSE AND THE
371228	03-259-001	X-1, Replaced Equipment hatch Eyebolt & Nut Locations 1 & 14

#### PAGE 4 OF 7

#### SYSTEM NO. 261A, ASME CLASS III

317006 317022 313269 233545 344026 435124	01-261-002 01-261-003 01-261-004 01-261-005 02-261-002 02-261-006	245044A & 245045A, Replaced valves and associated pipe sections 245044B & 245045B, Replaced valves and associated pipe sections HV24507B, Replaced valve, bonnet bolting, and associated pipe sections FV24566A, Replaced valve leakoff port plug HV244F033, Replaced valve plug 2F203B, Weld Repair head flange and machine flange face
		SYSTEM NO. 261B, ASME CLASS III
194065 359925 385693	01-261-001 02-261-001 02-261-005	2P221B, Replace proximity probes with pipe plugs 2P221B, Replaced pump with rotational spare 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 03-262-005	2CRD18-59, Replaced control rod drive & bolting 2CRD42-03, Replaced control rod drive & bolting
359496 359487	03-262-005	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 HV241F028D, Replaced step-studs & machined flat top on studs for UT exam
386607	03-262-025	MSRV SN N63790-00-0022, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0022, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0126, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0130, Refurbish and implement Flexidisc Modification
371373 371373	02-262-002 02-262-002	MSRV SN N63790-00-0027, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0019, Refurbish and implement Flexidisc Modification
371373 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

#### PAGE 5 OF 7

339505 339507 339508 339499 339506 405579 371290 371290 298723	03-262-029 03-262-030 03-262-031 03-262-032 03-262-033 03-262-034 03-262-035 03-262-035	PSV-241F013H, Replace relief valve, Replace inlet nuts with Superbolts PSV-241F013K, Replace relief valve, Replace inlet nuts with Superbolts PSV-241F013L, Replace relief valve, Replace inlet nuts with Superbolts PSV-241F013N, Replace relief valve, Replace inlet nuts with Superbolts PSV-241F013R, Replace relief valve, Replace inlet nuts with Superbolts 2S401, Remove metallurgical samples from Core Shroud & Top Guide DBA212-1, Replace flange bolting at Location M1 DCA211-3, Replace flange bolting at Locations M1 & M2 16-21 & 24-49, Replace In-Core Dry Tubes
		SYSTEM NO. 264B, ASME CLASS I
325295 325301 403467	02-264-002 02-264-003 03-264-004	2P401A, Remove previously installed Accelerometer Mounting Block 2P401B, Remove previously installed Accelerometer Mounting Block DCA241-1, VRRB31-3, & VRRB31-4, Replaced Chem Decon flange bolting
		SYSTEM NO. 273A, ASME CLASS II
319789 319267 319267	01-273-001 01-273-002 01-273-002	SV25776A, Replaced disc and includes body to bonnet tack weld SV257103B, Replace disc and bonnet SPHCB261-1, Replaced pipe section
		SYSTEM NO. 283A, ASME CLASS I
459732 385099	03-283-007 02-183-009	HV241F016, Replace valve disc and machine new disc SPDBA116-1, Removed indications by grinding
		SYSTEM NO. 283A, ASME CLASS II
427855 394450	02-283-004 02-283-010	241010A, 241011A, SPDBB202-5, Replace vent valve and pipe assembly
427855 394450	02-283-004 02-283-011	241010B, 241011B, SPDBB201-4, Replace vent valve and pipe assembly
396213 394450	02-283-001 02-283-002	241010C, 241011C, SPDBB204-4, Replace vent valve and pipe assembly
394450 427874	02-283-003 02-283-009	241010D, 241011D, SPDBB203-4, Replace vent valve and pipe assembly
335712	03-283-002	LSH20112D-VNT, Replace stem/disc assembly and backseat bushing 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

#### PAGE 6 OF 7

#### 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				Date13-APRIL-2003			
	769 SAI	LEM BLVD, BERWI	ICK, PA 18603	· · · · · · · · · · · · · · · · · · ·	Sheet	of	3	
2. Plant	Sus	QUEHANNA STEAM		пом	Unit		Two	
•	769 SAI	LEM BLVD, BERW	-				AGE 3 OF 3	
3. Work Per	formed by	PPL Sus	SQUEHANNA, LL	<u>c</u>	Type Code Sym			
	769 SAI	LEM BLVD, BERW	іск, РА 18603	·	Authorization N	o	N/A	
					Expiration Date		N/A	
4. Identifica	ation of Syste	m		RHR SERV	CE WATER 21	6A-III		<u> </u>
(b) App	licable Edition	ruction Code n of Section XI Utilize ponents Repaired or I	d for Repairs or Re	eplacements 19	89	Addenda,	No Co	ode Case
	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board · No.	Other Identification	<b>Ye</b> ar Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALV	VE DISC	CROSBY	N91855-49- 0098	N/A	PSV21213A	1996	REPLACED	YES
2. VALV	VE DISC	AG/CROSBY	N91855-57- 0117	N/A	PSV12113A	2002	REPLACEMENT	YES
3. VALV	VE BASE	GE	32-0012	N/A	PSV12113A	1983	REPLACED	YES
4. VALV	VE BASE	AG/CROSBY	N91854-40- 0023	N/A	PSV21213A	2000	REPLACEMENT	YES
5. VAL	VE DISC	CROSBY	N91854-33- 0015	N/A	PSV21213B	1984	REPLACED	YES
6. VALV	VE DISC	AG/CROSBY	N91854-54- 0110	N/A	PSV21213B	2001	REPLACEMENT	YES
7. VALV	VE	LONERGAN	510138-2- 22-1	N/A	PSV21212A	1982	- REPAIRED	No
7. Descript	ion of Work			SEE	PAGE 30F 3			
8. Tests Co	onducted:	Hydrostatic Other Pres	Pneumatic ssure		Operating Pressure st Temp.	<u>X</u>	SEE PAGE 3 (	<b>≻F3</b>

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)

Remarks CODE DATA REPORT(S) ATTACHED	
Applicable Manufacturer's Data Recorts to be attached	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in the report are correct and this Repair conforms to the rules of the Replacement	
ASME Code, Section XI. repair or replacement	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration N/A	
5 ARha D D DOW 38 00 03	
Signed Course's Designes, Title Welding Engineer  Date APRIC 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 Sta	ota
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 /-28-03 to 3-24-03, and state the	hat
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	laı
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. Royus Commissions NB7980 A, N, I, B, NS PA 2204	
William R. Popusar Commissions NB7980 A, N, I, B, NS PA 2204 Inspector's Signature National Board; State, Province, and Endorsements  Date MAY 21 2003	
Date MAY 21 20 0 3	

1. O	wner	PPL SUSQUE	HANNA, LLC		Date	13-	APRIL-2003	
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Sheet 2	of	3	
2. Pl	ant SUSC	UEHANNA STEAM		Unit	Two			
	769 SAL	EM BLVD, BERW	ICK, PA 18603				AGE 3 OF 3	
3. W	ork Performed by	Address PPL SU	SQUEHANNA, LL	<u>c</u>	Type Code Sym	-	n P.O. No., Job No., etc. NONE	
_	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization No	o	N/A	
		Address			Expiration Date		N/A	
4. lo	dentification of Syster	n		RHR SERV	ICE WATER 21	6A-III		
5. (	(a) Applicable Constru (b) Applicable Edition	action Code of Section XI Utilize	III 19 ed for Repairs or Re	71 Edition placements 19	thru W72 89	Addenda,	No Co	ode Case
6. k	dentification of Compo	onents Repaired or I	Replaced and Repl	acement Compo	nents			
	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

1. Owner		PPL SUSQUEHANNA, LLC	Dat		13-APRIL-	2003
	769 SALEN	A BLVD, BERWICK, PA 18603	Sheet	t	3 of	3
		Address		- ,	<del></del> -	<del></del>
2. Plant	Susqu	DEHANNA STEAM ELECTRIC STATION	Unit	****	Two	
	769 SALEM	BLVD, BERWICK, PA 18603			SEE BELOW	
-		Address		Repai	r Organization P.O. No	., Job No., etc.
3. Work Per	formed by	PPL SUSQUEHANNA, LLC	Туре	Code Symb	ol Stamp	None
	769 SALEN	BLVD, BERWICK, PA 18603	Autho	orization		N/A
		Address	Expira	ation Date		N/A
4. Identifica	tion of System	R	HR SERVICE WAT	TER 216	SA-III	
		tion Code <u>III</u> 19 <u>71</u> Edition, Section XI Utilized for Repairs or Replac		enda, <u>^</u>	10 (	Code Case
6. Identifica	ition of Compone	ents Repaired or Replaced and Replacen	nent Components		:	
ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRESSURE TEST

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	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 1/2"-13 SA194 GR 2H NUTS	1989 Ed	NONE	NONE	N/A	N/A

Q.C.-392 Sheet 1 of 2

FORM N-2	CERTIFICATE HOLDI			AL			
As required by the Provision	a clart arguluum -2. dan ingila ah ta b	ND APPURTENANCI	55* 	Santa Santa atau			
Manufactured and certified by	Anderson Class	THE ACTION OF THE PROPERTY OF	x w Exceed One	Day's Production			
1. Manufactured and certified by	Augustion Gree	nwood Crosby, 43 Kend	nck St., Wrenth	im, MA 02093			
2: Manufactured for	2).	Name and Address of N		<b>(I)</b>			
Z: Manuachted lot	<u> </u>	PPL SERVICES COR					
A. Vidandan ad V Hada-	(Name and Address of Purchaser or Owner)						
3. Location of Installation		PPL SUSQUEHAN					
		(Name and Addre	33)	•			
4. Type DS-C-60597 REV. E	ASME SB164 CL. A	70,000		2002			
(drawing no.)	(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)			
<ol><li>ASME Code, Section III, Division</li></ol>		SUMMER 1975	2				
	(edition)	(addenda date)	(class)	(Code Case No.)			
<ol><li>Fabricated in accordance with Con</li></ol>	st. Spec: (Div. 2 only)		Revision -	Date -			
		(no.)					
7. Remarks		•					
8. Nom. thickness (in.) Min.	design thickness (in.)	- Dia, ID (ft & in	) - Length	overall (ft & in )			
When applicable, Certificate Holde	ers' data reports are attack	hed for each item of this	report				
4:	20 0		<u> </u>	110000			
Part or Appurtenance	National	Part or App	nnenance	National			
Serial Number	Board No.	Serial N		Board No.			
•	in Numerical Order		<del></del>	in Numerical Order			
(1) N91855-57-0117	***	(26)		m I tombilder Office			
(2)		(27)					
(3)		(28)					
(4)		MM					
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(25)		(50)					
0. Design pressure p	si.Temp * )	F Hydro, test pressum	: <b>75</b> 0	at temp. 70			

(When applicable)

\* Supplemental information in the form of lists, attention, or deriving may be used provided (I) size is \$-1/2 x 11, (2) information in terms 2 and 3 on this Data Report is included on such about (I) seem about is immorred and the number of about is formed at the mp of this form.

Tair form (200040) may be obtained from the Order Dept., ASMS, 22 Law Drive, Box 2300, Pairfield, NI 97007-2300

Form N-2 (Back)

Q.C.-392 · Sheet 2 of 2

Certificate Holder's Serial No. N91855-57-0117	
<u>CERTIFICATE OF DESIGN</u>	
Design specifications certified by ARTHUR R. SCHICK P.E. State (when applicable)	CA Reg. no. 13898
Design report* certified by P.E. State	Reg. 100
(when applicable)	
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  Anderson Greenwood Crosby	
Date Jon Tonger 03 Signed Wrentham, MA by	nhorized Representative)
form and managed. from	militar supressional rej
CERTIFICATE OF INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pre	essure Vessel Inspectors and
the State or Province of Massachuseus and employed by Factory Mutual Insuran	ce Co.
Jegues 30 . 65 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, D been authorized for stamping on the date shown above.	division 1. Each part assec has
By signing this certificate, neither the Inspector nor his employer makes any warranty, express the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer	ed or implied, concerning
manner for any personal injury or property damage or loss of any kind arising from or connect	ted with this inspection.
·· ·	•
Daix	
* • • • • • • • • • • • • • • • • • • •	sements) and state or prov. and no.)

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

			NU APPURTENANCI					
	As required by the Provisions of							
١.	Manufactured and certified by		wood Crosby, 43 Kend		MA 02093			
		•	ame and Address of N	•				
2.	Manufactured for	PENN	ISYLVANIA POWER	& LIGHT				
	<del>-</del>	(Name and Address of Purchaser or Owner)						
3.	Location of Installation SUSQUEHANNA SES STOREROOM							
			(Name and Addr	ess)				
4.	Type DS-C-60598 REV.E	SB164 CL.A	80,000	••	<b>2000</b> ·			
٠.		(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)			
5	ASME Code, Section III, Division 1		SUMMER 1975	. 3	Gear cani,			
٥.	ASME COLC, Socion III, DIVESON	(edition)	(addenda date)	(class)	(Code Core No.)			
_	This is a second on a wish Const	· · · · · · · · · · · · · · · · · · ·	• •	• •	(Code Case No.)			
0.	Fabricated in accordance with Const	. Spec. (Div. 2 only)		Revision	Date			
			(no.)	•	•			
7.	Remarks		<del></del>					
	No. of Salarana Canal	Indian Atlahaman (in )	D: ID /6 0 :	1 and and	-11 (6 6 :- )			
		lesign thickness (in.)		.) Length over	an (π & m.)			
9.	When applicable, Certificate Holder	s' data reports are attac	hed for each item of th	is report.				
					• • .,			
	Part or Appurtenance	National	Part or At	purtenance	' National			
	Serial Number	Board No.		Number	Board No.			
	Seriai Number							
	· · · · · · · · · · · · · · · · · · ·	in Numerical Order		in	Numerical Order			
	(1) N91854-40-0023		(26)		<u> </u>			
	(2)		(27)					
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ı	(13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24)		(38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49)					
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(when applicable)

<sup>•</sup> 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.

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

CERTIFICATE OF DESIGN
Design specifications certified by ARTHUR R. SCHICK P.E. State CA Reg. no. 13898  (when applicable)
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 (these)  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  Anderson Greenwood Crosby
Date 9/22/20 Signed Wrentham, MA by Authorized Representative)
<u>CERTIFICATE OF INSPECTION</u>
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
the State or Province of <u>Massachusetts</u> and employed by <u>Factory Mutual Insurance Co.</u> of Johnston, Rhode Island have inspected these items described in this Data Report on
September 22, 20 co 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
Signed L. TO Q: 1/2 Commissions MA-1418 W
(Authorized Inspector) (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
NIKTEAR PARTS AND	APPURTENANCES*

As required by the Provisions	of the ASME Code, Sec	tion III, Division 1 - Not (	to Exceed One Day	's Production				
Manufactured and certified by	Anderson Green	wood Crosby, 43 Kendric	k St., Wrentham, 1	MA 02093				
,	(N	ame and Address of N Ce	rtificate Holder)					
Manufactured for	•	ISYLVANIA POWER &	•					
		nd Address of Purchaser						
Location of Installation	· · · · · · · · · · · · · · · · · · ·							
Edization of mistantation	30							
		(Name and Address)						
Type <u>DS-C-60597 REV.E</u>	SB164 CL.A	87,000		2001				
	(mat'l, spec. no.)	(tensile strength)	(CRN)	(year built).				
ASME Code, Section III, Division 1		SUMMER 1975/	2/					
	(edition)	· (addenda date)	(class)	(Code Case No				
Fabricated in accordance with Const	. Spec. (Div. 2 only)		vision <u> </u>	Date				
	•	(no.)						
Remarks		• •						
	<del></del>	<del></del>						
<del></del>	<del></del>	<del></del>						
Nom. thickness (in.) Min. o		Dia. ID (ft & in.)		all (ft & in.)				
When applicable, Certificate Holder	s' data reports are attac	hed for each item of this r	eport.					
•			•					
Part or Appurtenance	National .	Part or Appu		National				
Serial Number	Board No.	Serial Nur		Board No.				
	in Numerical Order		in 1	Numerical Order				
(1) N91855-54-0109		(26)	·					
(2) N91855-54-0110	-	(27)						
(3) N91855-54-0111		(28)						
(4)		(29)						
		1237						
(5)		(30)						
(5)		(30)						
(5) (6) (7)		(30) (31) (32)						
(5) (6) (7) (8)		(30) (31) (32) (33)						
(5) (6) (7) (8) (9)		(30) (31) (32) (33) (34)						
(5) (6) (7) (8) (9) (10)		(30) (31) (32) (33) (34) (35)						
(5) (6) (7) (8) (9) (10) (11)		(30) (31) (32) (33) (34)						
(5) (6) (7) (8) (9) (10) (11) (12)		(30) (31) (32) (33) (34) (35) (36)						
(5) (6) (7) (8) (9) (10) (11) (12) (13)		(30) (31) (32) (33) (34) (35) (36) (37)						
(5) (6) (7) (8) (9) (10) (11) (12)		(30) (31) (32) (33) (34) (35) (36) (37) (38)						
(5) (6) (7) (8) (9) (10) (11) (12) (13) (14)		(30) (31) (32) (33) (34) (35) (36) (37) (38) (39)						
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(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16)		(30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41)						
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(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19)		(30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43)						
(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)		(30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44)						
(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21)		(30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45)						
(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21)		(30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46)						
(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23)		(30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)						
(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21)		(30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46)						

(when applicable)

<sup>\*</sup> Supplemental information in the form of lists, alterthes, 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 theet, (3) each about its numbered and the number of sheets is recorded at the top of this form.

(Authorized Inspector)

CROSBY

Q.C.-392

Form N-2 (Back)	Certificate Holder's Serial No.	V91855-54-0109	Sheet 2 of 2
	CERTIFICATE OF 1	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.
We certify that the statements mad	CERTIFICATE OF COM		
conforms to the rules of construction			
NPT Certificate of Authorization I	Anderson Greenwood Cros		
Date <u>28-MAR-01</u> Sign	ed Wrentham, MA (NPT Certificate Holder)	by D. E Tatol (Authorized	Representative)
	CERTIFICATE OF INS	PECTION .	
I, the undersigned, holding a valid the State or Province of Massar of Johnston. Rhode Island 28, 20 has fabricated these parts or appurate authorized for stamping on the equipment described in this Damanner for any personal injury or	chusetts and employed by  d have inspected  61 and state that to the best of a tenances in accordance with the AS te date shown above.  the Inspector nor his employer mak ta Report. Furthermore, neither th	Factory Mutual Insurance Co- these items described in this Dat my knowledge and belief, the Ce ME Code, Section III, Division es any warranty, expressed or in e Inspector nor his employer sha	a Report on rtificate Holder  1. Each part listed ha uplied, concerning Il be liable in any
Date	 20 <i>01</i> .		•

Commissions

(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

1. Owner	PPL SUSQUE			Date	17-	-APRIL-2003	
769 SAL	EM BLVD, BERW	ICK, PA 18603		Sheet	1 of	2	
2. Plant SUSC	QUEHANNA STEAM		TON	Unit		Two	
769 SAL	NAM LEM BLVD, BERW	_			SEE F	AGE 2 OF 2	
	Address			Re	pair Organizatio	on P.O. No., Job No., etc.	
3. Work Performed by	PPL Sus	SQUEHANNA, LLI NAME	<u> </u>	Type Code Syr	mbol Stamp	None	
769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization N	ło	N/A	
	Address			Expiration Date	·	N/A	
4. Identification of System	m	Core	SPRAY PUMP	ROOM COOLING	23	4D-III	
5. (a) Applicable Constr	<del></del>	III 19	71 Edition	1. thru W'72	Addenda	No Co	ode Case
(b) Applicable Edition					CASE N-416		
6. Identification of Comp	onents Repaired or I	Replaced and Repl	acement Compo	onents			
	T	1		ı — —	·· <del>·······</del>		Τ
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)
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 20F 2			
•	Hydrostatic	Pneumatic		Operating Pressure	e X	SEE PAGE 2 (	OF 2
•	• — —	ssure	_	est Temp.	· <u>· · · · · · · · · · · · · · · · · · </u>		<b>-</b>

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.

Remarks NONE						
<del></del>		Apolicable Manufac	cturar's Data Recort	s to be attached		
	4					
		<del></del>	·	· · · · · · · · · · · · · · · · · · ·		
			· · ·			
	C	CERTIFICATIO	ON OF COM	PLIANCE		
We certify that the st	atements made in t	the report are cor	rrect and this	Repair / Replacement	conforms to	the rules of the
SME Code, Section XI.			-	repair or replacement	_	
Type Code Symbol Stan	np	·		N/A		
Certificate of Authorization	on No.	N/A	Expiration	n	N/A	Δ
~01	2 1	1777	<del>=</del> ·			
Signed Control	Culcul Owner's Designee, Title	Welding Engineer	Date	APRIL	28	,20 03
	- Company and the	Trouble of the second				
	CEDI	TICATION OF		- :\\00E0T(0)		
	CERTI	FICATION OF	- INSERVIC	E INSPECTION	V	
the undersigned, holding	a valid commission	n issued by the Na	ational Board of	Boiler and Pressu	re Vessel Insp	ectors and the State
Province of PENNSYL JOHNSTON, RHODE	ISLAND			have inspect	ed the compon	ents described
this Owner's Report duri			<u> </u>	to /-17-		, and state that
the best of my knowledg wner's Report in accorda					ave measures	described in this
By signing this certificat	e neither the Inspec	ctor nor his emplo	yer makes any	warranty, express		
xaminations and corrective						
hall be liable in any mann Ispection.	er for any personal	injury or property	damage or a id	oss or any kind ans	ing from or cor	inected with this
	2 . —		A) &	7090 111	T 0 415	PAZZAU
Uslicom R. K Inspector's Date MAY 21	Cidatura	Cor	mmissions /V	37980 A, N <sub>J</sub> . ational Board, Stat	L, S, No	192207
inspector s	Signature		N	ational board, Stat	e, Province, ar	ia Endorsements
)ate MAY 21	20 <u>03</u>	<del></del>				
•						

1. Owner	PPL:	SUSQUEHANNA,	LLC	Dat	17-	np N/A N/A N/A Code Cas	· · · · · · · · · · · · · · · · · · ·
	769 SALEM BLVD		18603	Sheet	_2_	of	2
2. Plant	•	A STEAM ELECT	RIC STATION	Unit		Two	
<u></u>	769 SALEM BLVD	SEE BELOW  Repair Organization P.O. No., Job No., etc.					
3. Work Per	rformed by	PPL SUSQUEHA	NNA, LLC	Type Code S		•	None
	769 SALEM BLVD		18603	Authorization		N/A	
	~	J. C.		Expiration Da	te	N/A	
4. Identifica	ation of System		CORE SPRAY P	UMP ROOM COOLIN	G 23	4D-III	
	licable Construction Cod			u W72 Addenda, ts 19 89 Coo	No E CASE N-416		ase
6. Identifica	ation of Components Rep	paired or Replaced	and Replacement C	Components		•	

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRES: TE:		
						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	

1. Owner	PPL SUSQUE	HANNA, LLC	<del></del>	Date	18-	APRIL-2003	
769 SAL	EM BLVD, BERW	<del></del>	<u></u>	Sheet	1 of	2	
2. Plant Susc	Address QUEHANNA STEAM		ПОМ	Unit		Two	
769 SAL	NAME LEM BLVD, BERW	_			SEE P	AGE 2 OF 2	
3. Work Performed by	Address	SQUEHANNA, LL		Reg		n P.O. No., Job No., etc. NONE	
•	·	NAME	<del></del>				<del></del>
	EM BLVD, BERW Address	ICK, PA 18603	- <del></del>	Authorization N		N/A	·
		D	Olo Dunin Do	Expiration Date		N/A	
<ul><li>4. Identification of System</li><li>5. (a) Applicable Constr</li></ul>				OM COOLING thru W72	Addenda.		ode Case
(b) Applicable Edition					•		
6. Identification of Comp	onents Repaired or I	Replaced and Repl	acement Compo	nents			
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
						<del></del>	•
	J	I	1				I
7. Description of Work			SEE	PAGE 2 OF 2			
	Hydrostatic Dother Pres	Pneumatic ssure		Operating Pressure st Temp.	• X •	SEE PAGE 2 (	OF 2

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

9. Remarks	NONE	
		s Data Reports to be attached
	<del></del>	
	CERTIFICATION (	OF COMPLIANCE
Wed	certify that the statements made in the report are correct	and this Repair / conforms to the rules of the Replacement
ASME CO	ode, Section XI.	repair or replacement
Monte Co.	de, Sedioli Ai.	1 april 300 apri
Type Co	Code Symbol Stamp	N/A
13pe C		N/A
Certificat	ate of Authorization No. N/A	Expiration N/A
	101 -	1
Signed	CBBe L. L	Date APRIL 28 ,20 03
<del>-</del>	Owner or Owner's Designes, Title Welding Engineer	
	CERTIFICATION OF IN	SERVICE INSPECTION
	CHAIN IORIGIT OF	SEKAIOL IIIOI POTIOIT
I the unde		al Board of Boiler and Pressure Vessel Inspectors and the State
	ce of <u>PENNSYLVANIA</u> and employed by	
	ISTON, RHODE ISLAND	have inspected the components described
	vner's Report during the period 2-27-01	to 6-5-0/, and state that
to the best	st of my knowledge and belief, the Owner has performed e	xaminations and taken corrective measures described in this
Owner's R	Report in accordance with the requirements of the ASME (	Code, Section XI.
By sign	ning this certificate neither the Inspector nor his employer	makes any warranty, expressed or implied, concerning the
examination	ions and corrective measures described in this Owner's Re	eport. Furthermore, neither the Inspector nor his employer
		nage or a loss of any kind arising from or connected with this
inspection		
111.11	1. D	ssions <u>NB 7980 A,N,I,B,NS PA 2204</u> National Board, State, Province, and Endorsements
ww	Com / / Commis	Alatianal Poord State Province and Endergoments
	inspector's Signature	National board, State, Province, and Endoisements
Date Ma	Inspector's Signature  AY 21 20 03	
	A7 C1	
i		

1. Owner	PPL St	JSQUEH/	anna, L	LC		Dat	18-APRI	L-2003
	769 SALEM BLVD,	BERWIC	к, PA	18603		Sheet	of	2
2. Plant	SUSQUEHANNA		ELECTE	RIC STATION	1	Unit	Tw	<b>/</b> 0
	769 SALEM BLVD,		K, PA	18603		Repa	SEE BELO	
3. Work Per			QUEHAN NAME	INA, LLC		Type Code Sym		None
	769 SALEM BLVD,			18603		Authorization	<del></del>	N/A
	7500	200				Expiration Date	-	N/A
4. Identifica	tion of System			RCIC	PUMP ROO	M COOLING	234F-III	
	icable Construction Code icable Edition of Section X				thru W72 ements 19	_ Addenda,	No ASE N-416-1	Code Case
6. Identifica	tion of Components Repai	ired or Re	placed a	and Replacen	nent Compone	ents	. •	

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRES: TE	
	•					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 <b>°</b> 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 <b>°</b> 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
		•					

1. Owner	PPL SUSQUE	HANNA, LLC		Date	19-	APRIL-2003	
769 SAL	EM BLVD, BERWI	ск, PA 18603		Sheet	of	3	
2. Plant SUSC	UEHANNA STEAM		ПОМ	Unit		Two	
769 SAL	NAME EM BLVD, BERWI	•		<del></del>	SEE P	AGE 3 OF 3	
	Address		<del></del>	R	epair Organizatio	n P.O. No., Job No., etc.	
3. Work Performed by	PPL Sus	OUEHANNA, LL	<u>C</u>	Type Code Sy	mbol Stamp	None	
769 SAL	EM BLVD, BERWI	ск, РА 18603		Authorization	No	N/A	
	7.3.3.3			Expiration Dat	e	N/A	
4. Identification of System	n	RHR	PUMP ROOM R	LOOM COOLING	23	4G-III	
5. (a) Applicable Constr	uction Code	<b>     19</b>	71 Edition	,thru W72	Addenda	No Co	de Case
(b) Applicable Edition					CASE N-416	-1	
6. Identification of Compo	onents Repaired or F	Replaced and Repl	acement Compo	nents			
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)
	· ·	· · ·			<b>1</b>	;	
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 30F 3			
8. Tests Conducted:	Hydrostatic Other Pres	Pneumatic sure	Nominal (	Operating Pressurest Temp.	re X	SEE PAGE 3 (	OF 3

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

9. Remarks 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 conforms to the rules of the	
ASME Code, Section XI. repair or replacement	
To the Control Character Anna Anna	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration N/A	
Signed CSSelvel 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 St	tate
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	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.	
1, 1, 71: - P. Roomer TT Commissions A18 7980 AN.I.B.NS PA 2204	ı
Commissions NB 7980 A.N.I.B. NS PA 220 Y Inspector's Signature National Board, State, Province, and Endorsements  Date MAY 21 2003	<u></u>
- · · · · · · · · · · · · · · · · · · ·	
Date 1714 7 61 20 0 3	

1. Ov	wner	PPL SUSQUE			Date	19	-APRIL-2003	
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Sheet	<u>2</u> of	3	
2. Pla	ant Susc	QUEHANNA STEAM		TION	Unit		Two	
	769 SAL	EM BLVD, BERW	ICK, PA 18603				PAGE 3 OF 3	
3. W	ork Performed by	PPL Su	SQUEHANNA, LL	<u>c</u>			None	<u> </u>
	769 SAL	EM BLVD, BERW	іск, РА 18603		Authorization	No	N/A	······································
		Vici 492			Expiration Da	ite	N/A	
4. ld	lentification of Syster	n	Ri	HR PUMP ROC	OM COOLING	234G-	111	
(1	a) Applicable Construct     b) Applicable Edition     lentification of Completer	of Section XI Utilize	ed for Repairs or Re	•	89 CODE	Addenda Case N-416-		ode Case
<u> </u>	ionanocador, or comp		topiacou ana rtopi					
	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
		i	1			1	1	I

1. Owner		PPL Sus	QUEHA Name	nna, Ll	.c		Dat	1	9-APRI	L-2003
	769 SALEM	BLVD, BI	ERWICK	, PA 1	8603		Sheet	3	_ of _	3
2. Plant	Susqui	EHANNA S	TEAM E	LECTRI	C STATION	<u> </u>	Unit		Tw	<b>/</b> 0
	769 SALEM	BLVD, BI		, PA 1	8603		Re		SEE BELO	OW No., Job No., etc.
3. Work Per	formed by	PPL		UEHANN Name	IA, LLC		Type Code Syr	nbol Star	mp	None
	769 SALEM	BLVD, BI		<u>, PA 1</u>	8603	<del></del>	Authorization			N/A
		,					Expiration Date			N/A
4. Identifica	ation of System				RHR	PUMP ROOM	COOLING	2340	<b>3-III</b>	
	icable Constructi	-			_	thru W'72 ements 19	Addenda, 89 CODE	No Case N-4	116-1	Code Case
6. Identifica	ation of Compone	ents Repaire	d or Rep	olaced an	id Replacen	ent Compone	ents	2	411.	The second

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRES: TE	
					· · · ·	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

1. Owner	1. Owner PPL SUSQUEHANNA, LLC Date 19-APRIL-2003						
769 SAI	EM BLVD, BERW	ск, РА 18603		Sheet	1 of	2	
2. Plant SUS	QUEHANNA STEAN		TION	Unit		Two	<u>-</u>
769 SAI	EM BLVD, BERW	_		Po		AGE 2 OF 2 on P.O. No., Job No., etc.	
3. Work Performed by		SQUEHANNA, LL	<u>c</u>	Type Code Syr			
769 SAI	EM BLVD, BERW		·	Authorization N	lo	N/A	
				Expiration Date	•	N/A	
4. Identification of Syste	m	EMERGENO	Y LC & SWI	CHGEAR ROOMS	SUPPLY	234U-III	
5. (a) Applicable Consti					Addenda		ode Case
(b) Applicable Edition  6. Identification of Comp	_	•			CASE N-416	<b>-1</b> 	
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	·		SEI	E PAGE 20F 2			
8. Tests Conducted:	Hydrostatic Dother Pres	Pneumatic sure		Operating Pressure	X	SEE PAGE 20	OF 2

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.

Remarks	NONE				
•		Apolicable Manufac	durer's Data Recorts to be attach	ed	•
		<del></del>			
		CERTIFICATIO	ON OF COMPLIANC	E	
Wec	ertify that the statements ma	de in the report are con	rect and this Rep	air conforms to the rules of th	ie.
	•		Replac	ement	
SME Code	e, Section XI.		repair or re	placement	
Type Co	de Symbol Stamp		N/A		
.,,,,			14/7		
Certificate	e of Authorization No.	N/A	Expiration	N/A	- ,
				1074	
Signed	ER Ko. A		Date AP	RIL 28 . , 20 03	
_	Owner or Owner's Designe	e, Title Welding Engineer	·		
				<del></del>	
	<u> </u>				
	C	ERTIFICATION OF	INSERVICE INSPE	ECTION	
	a water in the	•		:	
the under	signed, holding a valid comn of <u>PENNSYLVANIA</u>	nission issued by the Na	tional Board of Boiler and	d Pressure Vessel Inspectors and the	_
	TON, RHODE ISLAND	and employed by	have	inspected the components described	of
	er's Report during the period	8-30-	OZ to	2 - 10 - 0 2, and state	te that
			ed examinations and take	n corrective measures described in the	
	port in accordance with the			announced as insulted as a section that	
				expressed or implied, concerning the neither the Inspector nor his employe	
hall be liab	ole in any manner for any pe	rsonal injury or property	damage or a loss of any	kind arising from or connected with the	i nis
spection.			<b></b>		
·	. 00		LIP 7000	AUTRUS DAZZOU	
	amill- 100gust	Con	nmissions <u>[VP /780</u>	A,N,I,B,NS PA 2204 ard, State, Province, and Endorseme	
Nell	1		A A 44 4		
Will	Inspector's Signature		National Bo	ard, State, Province, and Endorseme	nts
) Date M A	Inspector's Signature		National Bo	ard, State, Province, and Endorseme	nts

1. Owner		PPL SUSQUEHANNA, LLC	Dat		19	-APRIL-2	003	
	769 SALEN	BLVD, BERWICK, PA 18603	Shee	t	_2_	of	2	
2. Plant	Susqu	Address EHANNA STEAM ELECTRIC STATION NAME	N Unit			Two		
	769 SALEN	BLVD, BERWICK, PA 18603		Repa		EE BELOW	Job No., etc.	
3. Work Per	formed by	PPL SUSQUEHANNA, LLC	Туре	Code Symt	-	·	No	ne
	769 SALEN	BLVD, BERWICK, PA 18603	Autho	orization			N/A	· · · · · · · · · · · · · · · · · · ·
		Address	Expira	ation Date			N/A	
4. Identifica	tion of System	EMERGENCY L	.C & SWITCHGEAR	ROOMS	SUPPLY	234U-	<b>111</b>	
		ion Code III 19 71 Edition, Section XI Utilized for Repairs or Replace		······· —	No Case N-4		ode Case	
6. Identifica	tion of Compon	ents Repaired or Replaced and Replacer	ment Components	<b>\$</b> :		ា នេះកាល់ ប្	\$ 1. S.	: : : : : : : : : : : : : : : : : : :
ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TES	STING,	PRES TE	
							PRESS	TEMP
1	02-234-009 301158	REPAIR VALVE BODY FLANGE	1980 Ed S 82 Ad	None		000-017 SI-02-875	128 PSIG	36 °F
2 & 3	02-234-007 301157	REPLACE 2" 150# SW CS FLANGE	1971 Ed W 72 Ad	NONE		000-017 SI-02-875	128 PSIG	<b>3</b> 6 <b>°</b> F
				1				

1. Owner		PPL SUSQUE		·	Date	19-	APRIL-2003	
	769 SAL	EM BLVD, BERWI	·· <del>-</del>		Sheet	1 of	2	
2. Plant	Susc	QUEHANNA STEAM		TION	Unit		Two	
	769 SAL	NAME LEM BLVD, BERWI	<del>-</del>				AGE 2 OF 2	
3. Work Perf	omed by	Address PPL SUS	SQUEHANNA, LL	<u>c</u>	Type Code S		n P.O. No., Job No., etc. NONE	
	769 SAL	EM BLVD, BERWI	NAME CK, PA 18603	·	Authorization	No	N/A	
		Address			Expiration Da	ite	N/A	
4. Identificat	tion of Syste	m		FUEL POOL	COOLING	235B-III		
(b) Appli	icable Editior	uction Code  of Section XI Utilize conents Repaired or F	III 19 d for Repairs or Re	71 Edition eplacements 19	89 CODE	Addenda, CASE N-416-1		ode Case
U. Idominio		T	l copiesso una propi			<u> </u>		ASME
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes or No)
1. VALV	E	PACIFIC	0114-6	N/A	253009C	1976	REPLACED	YES
2. VALV	Æ	FLOWSERVE	E716A-1-5	N/A	253009C	1999	REPLACEMENT	YES
i								
						, .	· · · · · · · · · · · · · · · · · · ·	
	<del></del>							
	· · · · · · · · · · · · · · · · · · ·							
7. Description	on of Work			SEE	PAGE 20F 2	•		
8. Tests Co	nducted:	Hydrostatic Pres	Pneumatic sure	_	Operating Pressu	ıre X	SEE PAGE 3 (	DF 3
NOTE	: Suppleme	ntal sheets in form o	of lists, sketches, o	or drawings may	be used, provid	ed (1) size is	8½ in. x 11 in., (2)	) informa- sheets is

recorded at the top of this form.

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 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
Certificate of Authorization No. N/A Expression 19/A
Signed ES Seclect Date APRIC 28, 20 03
Owrier 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.
111.11. P Proper OF Commissions NR 79 90 A HT P NE 8422 04
Use at Commissions NB7980 A.N.T.R.NS PAZZO4 Inspector's Signature National Board, State, Province, and Endorsements
Date MAY 21 2003

1. Owner		PPL SUSQUEHANNA, LLC	Dat		19-APRIL-2	003	
	769 SALEN	BLVD, BERWICK, PA 18603	Sho	eet	of	2	<u>-</u>
2. Plant	Susqu	JEHANNA STEAM ELECTRIC STATIO	DN Uni	t	Two		
	769 SALEM	M BLVD, BERWICK, PA 18603		Repa	SEE BELOW	Job No., etc.	
3. Work Per	omed by	PPL SUSQUEHANNA, LLC	Тур	e Code Symi	ool Stamp	No	ne
	769 SALEM	M BLVD, BERWICK, PA 18603	Au	horization		N/A	
		ADDRESS	Exp	oiration Date		N/A	
4. Identifica	tion of System		FUEL POOL COOL	ING 23	5B-III		
(b) Appl	icable Edition of	tion Code III 19 71 Edition, f Section XI Utilized for Repairs or Repla	icements 19 89			ode Case	
6. Identifica	tion of Compon	ents Repaired or Replaced and Replace	ement Components		,		
ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRES TE	SURE ST
						PRESS	TEMP
1 & 2	01-235-001 282365	REPLACE VALVE BY WELDING	1971 Ed W72 A	d 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

	Flowserve Corp.				
Manufi	actured by 701 First Street,	Williamsport, PA	17701 Orde	rt No.E716A-1	
. Manui	(Rame o	Withan at Merimeriment			
	. Pennsylvania Power	& Light Company		0 15950 1	
2. Manuf	actured for PO Box 25223. Leigh	Valley, PA 1800: (Name and Address)	2-5223 Orde	r No. 8-15/53-1	-
		(Mans and vodues)	•		
	Pennsylvania Power & Li	cht Company			
					•
i. Locati	ion of Plant Susquehanna, 5 mi	les NE of Berwick	on US Rt 11, PO E	Box 467, Berwick, PA	1860
5. PYMP	Sr Valve Identification E716A-1-5		·····		•
	6" - 150# Durabla Check	Valve			
		valve	inment was designed)		-
	(2.10. 6000.1)				
				<u> </u>	-
(e) De	awing No. <u>W9925243 Rev. A</u>	Prepared by Flowse	rve Corp.		_
(4) 2.					
(b) Na	itional Board No. N/A				
	1 <u>35</u> -	psi 212 100 (Temperatur	. <u>.</u>		
6. Desig	n Conditions	psi 100	°F		
	naterial, design, construction, and work				
Edicio	on 1971 , Addenda Date				<b>-</b>
	Mark No.	Material Spec. No.	Manufacturer	Remarks	_
(a) C	astings				_
	Body Et #9145N	SA216-WCB	PRL Industries,	Inc.	-
	S/N - L184				-
•	Disc Ht #D4523	SA351-CF8M			-
	5/N - L326	SA331-CF6M	PRL Industries.	Inc	-
	S/N - L326				-
			<del> </del>	_	-
					_
					<b>-</b>
					_
					-
(p) E	orgings				-
	End Pieces Ht #G5683	SA105	Patriot Forge,	unc.	-
	S/N - 9 & 10				-
					-
					-
			L		_
					-
					<u>-</u>

#### FORM NPV-1 (back)

	Mark No.	Material Spec. No.	Manufactwer	Remarks 14
(c)	Bolting			
	Studs			
	Ht #85098	SA193-B7	Nova Machine Pr	oducts Corp.
	Nuts			
	Ht \$527778	SA194-2H	Allied Group	
(d)	Other Parts			
	N/A			
				•
	-			<u>'</u>
	450			
Hydro	static testpsi	•		
	C	ERTIFICATION OF D	ESIGN	
n - •	information on file atFlowserve C	orp 701 First	St., Williamsport	, PA 17701
Stress	analysis seport on file at N/A			
Design	specifications certified by Dale Sa	ttar	(1) Prof. Eng. State_	PA Reg. No. 019525-B
	analysis report certified by N/A		(1) Prof. Eng. State_	Reg. No
(1) Sig	nature not required. List name only.			res.
Ve cer	rify that the statements made in this repo	n ere correct.	·	er en
			B, RJA	connect.
Date_	10/15 1999 Signed_	Flowserve Corp. (Manufacturer)	Ву 01 9 3	in the world in the second in
Certifi	cate of Authorization No. N1712	_ expires <u>4/15/01</u>		
		· · · · · · · · · · · · · · · · · · ·	·	
·	CERTI	FICATE OF SHOP IN	SPECTION	
			·	
	he undersigned, holding a valid commiss			
and/or	the State of Ronneylvan Boston MA		•	
Report	Name 10 14 00			ent described in this Data d belief, the Manufacturer
has co	astructed this equipment in accordance wi	th the applicable Subse	ctions of ASMF Code Sec	rion III
mr m	signing this certificate, neither the inspection of the certificate and the certificate in this Data Report	. I uithemore, seither t	he Inspector and his emplo	was shall ha lishta is some
manne	for any personal injury or property damag	e or a loss of any kind	arising from or connected	with this inspection.
			•	
	10.10 99		•	
Date_	10-18 19 99	<del></del>		1
	$\sim l \sim$			1
	We had			
س	Conspector Charles Vous	Commissions	Pennsylvania 23	
	(mappens) Charles Young		(National Board, State,	rrovince and No.)

1. Owner _	Owner PPL SUSQUEHANNA, LLC				Date	20	APRIL-2003	
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Sheet	of	2	
2. Plant	Susc	QUEHANNA STEAM		NON	Unit		Two	
	769 SAL	EM BLVD, BERWI					AGE 2 OF 2	
3. Work Perform	ned by	Address PPL SUS	QUEHANNA. LL	C	Rep		n P.O. No., Job No., etc. NONE	
	•	EM BLVD, BERWI	NAME		Authorization N			
	Address Expiration Date N/A							
4. Identification	n of Syster	n		FEEDWATE	•	15A-II	IN/A	
(b) Applica	ble Edition	uction Code of Section XI Utilize	III 19 d for Repairs or Re	71 Edition	thru W72	Addenda,	No Co	ode Case
G. Identinous		T		I	······································	T ·	<u></u>	
Name Compor		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 20F 2			
8. Tests Cond	lucted: I	Hydrostatic Other Pres	Pneumatic Sure	Nominal	Operating Pressure	<u>X</u>	SEE PAGE 2 (	OF 2

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.

CERTIFICATION OF COMPLIANCE  We certify that the statements made in the report are correct and this Repair Replacement  Type Code, Section XI.  Type Code Symbol Stamp  N/A  Certificate of Authorization No.  N/A  Expiration  Date  APRIL 28 , 20 0 3  CERTIFICATION OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. Of JOHNSTON, NHOOLE ILAND  This Owner's Report during the period  10 - 11 - 0 1 10 1 10 1 10 1 10 1 10 1	Remarks	NONE			
We certify that the statements made in the report are correct and this    Repair   Replacement			Apolicable Manufac	turer's Data Reports to be attached	
We certify that the statements made in the report are correct and this    Repair   Replacement					
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We certify that the statements made in the report are correct and this    Repair   Replacement					
We certify that the statements made in the report are correct and this    Repair   Replacement			<del> </del>		
We certify that the statements made in the report are correct and this    Repair   Replacement		•			
We certify that the statements made in the report are correct and this    Repair   Replacement					
We certify that the statements made in the report are correct and this    Repair   Replacement				÷	
We certify that the statements made in the report are correct and this    Repair   Replacement					
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We certify that the statements made in the report are correct and this    Repair   Replacement					
We certify that the statements made in the report are correct and this    Repair   Replacement					
We certify that the statements made in the report are correct and this    Repair   Replacement			CEDTIEICATIO	N OF COMPLIANCE	•
Replacement  Type Code Symbol Stamp  N/A  Certificate of Authorization No.  N/A  Signed  CERTIFICATION OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND  This Owner's Report during the period  This Owner's Report during the period  The best of my knowledge and belief, the Owner has performed examinations and 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 aminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector roor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.  Commissions NB 7980 A, N.T.B, NS PA 2204  Inspector's Signature  Replacement  N/A  NATIONAL REPLACEMENT  NATIONAL REPLACEMENT  NATIONAL REPLACEMENT  NATIONAL REPLACEMENT  Replacement  N/A  NATIONAL REPLACEMENT  NATIO			CERTIFICATIO	IN OF COMPLIANCE	<b>=</b>
Type Code Symbol Stamp  N/A  Certificate of Authorization No.  N/A  Signed  CERTIFICATION OF INSERVICE INSPECTION  the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND  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 nail be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.  Commissions NB 79 80 A, N, T, B, NS PA 220 4  National Board, State, Province, and Endorsements	We d	certify that the statements mad	le in the report are con		
Type Code Symbol Stamp  N/A  Certificate of Authorization No.  N/A  Expiration  N/A  Signed  Signed  CERTIFICATION OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND  Inspector's Report during the period  10-11-01  10-11-02  10-11-02  10-11-02  10-11-02  10-11-02  10-11-02  10-11-02  10-11-02  10-11-02  10-11-02  10-11-03  10-11-03  10-11-04  10-11-05  10-					
Certificate of Authorization No.  N/A  Expiration  Date  APRIC 28  , 20  3  CERTIFICATION OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND  have inspected the components described this Owner's Report during the period 10-11-01 to 10-11-02, and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this tweer'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 varninations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer mail be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.  Commissions N8 7980 A, N.T.B, NS PA 2204  National Board, State, Province, and Endorsements	ASME Cod	le, Section XI.		repair or rep	aconianit
Certificate of Authorization No.  N/A  Expiration  Date  APRIC 28  , 20  3  CERTIFICATION OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND  have inspected the components described this Owner's Report during the period 10-11-01 to 10-11-02, and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this tweer'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 varninations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer mail be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.  Commissions N8 7980 A, N.T.B, NS PA 2204  National Board, State, Province, and Endorsements					
Certificate of Authorization No.  N/A  Expiration  Date  APRIC 28  , 20  3  CERTIFICATION OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND  have inspected the components described this Owner's Report during the period 10-11-01 to 10-11-02, and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this tweer'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 varninations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer mail be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.  Commissions N8 7980 A, N.T.B, NS PA 2204  National Board, State, Province, and Endorsements	Time Ca	ada Simbal Stamp		NIA	
Signed School Date APRIL 28 , 20 03  CERTIFICATION OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described this Owner's Report during the period 10-11-01 to 10-11-02, and state that 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 kaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection.  Commissions NB 7980 A, N. T. B, NS PA 2204  Inspector's Signature  Commissions NB 7980 A, N. T. B, NS PA 2204  National Board, State, Province, and Endorsements	Type Co			IN/A	
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the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of have inspected the components described this Owner's Report during the period 10-11-01 to 10-11-02, and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this winer'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 hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this espection.  Commissions NB 7980 A.N.T.B.NS PA 2204  Inspector's Signature  National Board, State, Province, and Endorsements		•	**.		
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nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this espection.	by sign	ing this certainate helpler the i	nspector nor his emplo secribad in this Owner	s Panort Eurthermore n	either the Inspector nor his employer
Spection.    Commissions NB 7980 A, N, I, B, NS PA 2204   Inspector's Signature   National Board, State, Province, and Endorsements	skarilliauc	olis and corrective incasures o	escribed in this Owner	damage or a lose of any k	ind arising from ar connected with this
Inspector's Signature  Commissions NB 7980 A, N, I, B, NS PA 2204  National Board, State, Province, and Endorsements			sonal injury of property	damage of a loss of any R	and arising from or connected with this
Inspector's Signature National Board, State, Province, and Endorsements	iispection.				
Inspector's Signature National Board, State, Province, and Endorsements	(1).[[	um R. Korus II	ア Con	nmissions NB 7980 A	N.I.B.NS PA 2204
ate MAY 21 2003		Inspector's Signature		National Boa	rd, State, Province, and Endorsements
ate_MAY 21 2003			_		
	Date M	AY 21 200;	3		

1. Owner	PPL SUSQUEHA	NNA, LLC	Dat	20-APRIL-2003		
	769 SALEM BLVD, BERWICK	, PA 18603	Sheet	of	2	
2. Plant	SUSQUEHANNA STEAM E	LECTRIC STATION	Unit		Two	
_	769 SALEM BLVD, BERWICK	x, PA 18603	Re	SEE Ba		
3. Work Per		UEHANNA, LLC	Type Code Sy	mbol Stamp	None	
	769 SALEM BLVD, BERWICK	x, PA 18603	Authorization		N/A	
			Expiration Date	e	N/A	
4. Identifica	ition of System	FEEDWATE	R SYSTEM 2	245A-II		
	icable Construction Code III 19 licable Edition of Section XI Utilized for			No	_ Code Case	
6. Identifica	ation of Components Repaired or Rep	placed and Replacement Compo	onents .			

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRES TE	
						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 1/2" 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

1. Owner	PPL SUSQUE	Date	20	APRIL-2003	<del></del>		
769 SALE	EM BLVD, BERWI	ск, РА 18603		Sheet	of	2	······································
2. Plant SUSQ	UEHANNA STEAM		ON	Unit		Two	
769 SALE	NAME EM BLVD, BERWI	•		-		AGE 2 OF 2	
3. Work Performed by	Address PPL SUS	QUEHANNA, LLO	<b>c</b>	Rep		n P.O. No., Job No., etc. NONE	
769 SALE	EM BLVD, BERWI	NAME CK, PA 18603		Authorization N	<b>o</b> .	N/A	
	Address			Expiration Date		N/A	
4. Identification of System	1	RHR Poo	L SPRAY PUM	IPS AND AUXILIAF	RY	249A-II	
5. (a) Applicable Constru (b) Applicable Edition	ction Code	<u>                                     </u>	71 Edition	n, thru W'72		<del>-</del>	ode Case
6. Identification of Compo	nents Repaired or F	Replaced and Replaced	acement Compo	onents			
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 20F 2			
	lydrostatic  Pres	Pneumatic sure	_	Operating Pressure est Temp.	*F	SEE PAGE 2 (	OF 2

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

9. Remarks	NONE			
•		Applicable Manufactu	urer's Data Reports to be attached	
		CERTIFICATION	N OF COMPLIANCE	•
			N OF COMPLIANCE	
	ertify that the statements r e, Section XI.	made in the report are corre	ect and this Replacen	
. Type Coo	de Symbol Stamp		N/A	
Certificate	e of Authorization No.	N/A	Expiration	N/A
Signed _	Owner or Owner's Design	2 gnee, Title Welding Engineer	Date MA	7 21 ,20 03
<del></del>	-			
		CERTIFICATION OF	INSERVICE INSPEC	TION
I, the under	signed, holding a valid core of PENNSYLVANIA	mmission issued by the Nati and employed by _	ional Board of Boiler and I FACTORY MUTUAL	Pressure Vessel Inspectors and the State INSURANCE CO. of
JOHNS	TON, RHODE ISLAND		have i	nspected the components described
in this Owner to the best	er's Report during the peri of my knowledge and belia	<u> </u>		7 - 2 6 - 0 i, and state that corrective measures described in this
Owner's Re	port in accordance with th	ne requirements of the ASMI	E Code, Section XI.	
				xpressed or implied, concerning the either the Inspector nor his employer
				nd arising from or connected with this
will	ham R. Roya Inspector's Signature	LO TI Com	missions NB 7980 A	d, State, Próvince, and Endorsements
	Inspector's Signature	)	National Boar	d, State, Próvince, and Endorsements
Date_MA	Y 30 20	03		•

1. Owner		PPL SUSQUEHANNA, LLC	Dat		2	0-APRIL-2	003			
	769 SALE	M BLVD, BERWICK, PA 18603	Shee	et	2	of	2			
2. Plant	Susqu	JEHANNA STEAM ELECTRIC STATION	Unit	Unit Two						
•	769 SALEI	MBLVD, BERWICK, PA 18603				SEE BELOW				
		Address		Repai	ir Organiz	ation P.O. No.,	Job No., etc.			
3. Work Performed by PPL SUSQUEHANNA, LLC Type Code Symbol Stamp						No	ne			
	769 SALEM BLVD, BERWICK, PA 18603 Authori						N/A			
		Address	Expi	ration Date			N/A			
4. Identifica	tion of System	RHR Pool Sp	RAY PUMPS AND	AUXILIAR	<u> </u>	249A-	41			
(b) Appli	icable Edition o	tion Code III 19 71 Edition,  f Section XI Utilized for Repairs or Replace  ents Repaired or Replaced and Replacem	ements 19 <u>89</u>	denda, <u>N</u>	No .	Co	xde Case			
ITEM No	ITEM No CRF / PCWO DESCRIPTION OF WORK AD			CODE	TECTING		PRES TE	- +·		
							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		

1. Owner	****	PPL SUSQUE		· 	Date	Date 20 APRIL-2003				
<del></del>	769 SAL	EM BLVD, BERWI	<del></del>		Sheet1	of	2	<del></del>		
2. Plant	Susc	QUEHANNA STEAM		ΓΙΟΝ	UnitTwo					
	769 SAL	EM BLVD, BERWI	•		SEE PAGE 2 OF 2					
		Address		_	Repair Organization P.O. No., Job No., etc.					
3. Work Perl	formed by _	PPL Sus	QUEHANNA, LL NAME	<u>C</u>	Type Code Symi	bol Stamp	None			
	769 SAL	EM BLVD, BERWI	ск, PA 18603	·· <del>·····</del>	Authorization No	·	N/A			
					Expiration Date		N/A	· · · · · · · · · · · · · · · · · · ·		
4. Identifica	tion of Syster	m	RHR	SYSTEM STEA	M CONDENSING I	10DE 24	9B-II			
		uction Code of Section XI Utilize			thru W72	Addenda,	No Co	ode Case		
• • • • • • • • • • • • • • • • • • • •		onents Repaired or F	•							
	ne of ponent	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 BOLT	HEAT EX	MLW IND	10641-Q	124	2E205B	1976	REPLACED	YES		
	HEAT EX QTY-2	A&G Engineering	HT: DLI	N/A	2E205B	1987	REPLACEMENT	No		
	HEAT EX QTY-3	Nova	HT: QAG	N/A	2E205B	1997	REPLACEMENT	No		
	<u>.</u>	., .				•				
7. Descripti	on of Work			SEE	PAGE 20F 2					
8. Tests Co		Hydrostatic Dother Pres	Pneumatic [		Operating Pressure st Temp.	X •	SEE PAGE 2 (	OF 2		
tion in		ntal sheets in form or ough 6 on this report of this form.								

. Remarks NO	ONE				
<del></del>	<del>Z i, </del>	Apolicable Manufacti	urer's Data Recorts to b	e attached	
<del></del>					
				_	
<del></del>					
		CERTIFICATION	N OF COMPL	IANCE	
•	that the statements made	in the report are corre			nforms to the rules of the
ASME Code, Se		·		pair or replacement	•
Type Code S	ymbol Stamp		N	N/A	
Certificate of /	Authorization No.	N/A	Expiration		N/A
OGIANOARO C	Authorization	N/A			N/A
Signed	3 Seek	me	Date	MAY 19	,20 <u>03</u>
	Øwner o Owner's Designee, T	Title Welding Engineer			
		<del></del>	<u></u>		
	CEF	RTIFICATION OF	INSERVICE II	NSPECTION	
I. the undersigne	ed. holding a valid commis	sion issued by the Nati	ional Board of Bo	iler and Pressure Ves	ssel Inspectors and the State
or Province of _	PENNSYLVANIA I, RHODE ISLAND	and employed by	FACTORY N	<u>WUTUAL INSURANC</u>	CE CO. of components described
in this Owner's F	Report during the period	3-17-03	to_	3-19.03	3, and state that
to the best of my	y knowledge and belief, the in accordance with the req	Owner has performed	examinations an	nd taken corrective me	
	in accordance with the requisions certificate neither the Ins				implied, concerning the
examinations an	nd corrective measures des	scribed in this Owner's	Report. Furthern	more, neither the Insp	pector nor his employer
shall be liable in inspection.	any manner for any perso	nal injury or property o	amage or a loss of	of any kind arising tro	m or connected with this
	O Traint	Com	-!! NID 7 <i>Q</i>	20 1 U T T N	S PA Z204
William	II. Togus III Inspector's Signature	COIIII	nissions Matio	nal Board, State, Prov	vince, and Endorsements
Data MAV 3	20 2003			•	
Date 14/11 2	<u> </u>				

1. Owner	1. Owner PPL SUSQUEHANNA, LLC					Dat20-APRIL-2003				
	769 SALEM BLVD, BERWICK, PA 18603					:	2	of	2	
2. Plant SUSQUEHANNA STEAM ELECTRIC STATION NAME					Unit Two					
769 SALEM BLVD, BERWICK, PA 18603						SEE BELOW Repair Organization P.O. No., Job No., etc.				
3. Work Performed by PPL SUSQUEHANNA, LLC					Type Code Symbol Stamp None					
	769 SALEN	ADDRESS	PA 18603		Authorization N/A			N/A		
					Expira	ation Date		<u> </u>	N/A	
4. Identifica	tion of System		RHR System	STEAM CON	DENS	ING MODE	<u> </u>	249B-	11	
		ion Code <u>III</u> 19 Section XI Utilized for			•	enda, <u>N</u>	40	Co	de Case	
6. Identifica	tion of Compone	ents Repaired or Repla	ced and Replacem	ent Compone	nts					
ITEM No	CRF / PCWO	DESCRIPTION	OF WORK	YEAR ADDENI	•	CODE CASES	TE	STING	PRESSURE TEST	

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRES TE	
						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

1. Owner	PPL SUSQUEHANNA, LLC				Date	24 APRIL-2003					
70	69 SAL	EM BLVD, BERWI	ск, РА 18603	<del></del>	Sheet	of	2				
2. Plant	Susc	QUEHANNA STEAM		TION	Unit		Two				
7	69 SAL	NAME EM BLVD, BERWI	•			SEE PAGE 2 OF 2					
2 Made Dodome		Address  DDI Cuid	COLIEMANNIA III				n P.O. No., Job No., etc.				
3. Work Performe	NAME					Type Code Symbol Stamp NONE					
769 SALEM BLVD, BERWICK, PA 18603					Authorization	No	N/A				
					Expiration Da	te	N/A	<del></del>			
4. Identification	of Syster	n	R	ESIDUAL HEAT	REMOVAL		1				
		uction Code of Section XI Utilize				_ Addenda,	No	Code Case			
		onents Repaired or F	•	•							
	•	· 	·	·		<del></del>		<del></del>			
Name of Compone		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 PI SUB-ASSE		BECHTEL	N/A	N/A	GBB217-1	1983	REPAIRED	YES			
, ,						, .					
			-								
					· .						
L				<u> </u>							
7. Description of	f Work			SEE	PAGE 20F 2						
8. Tests Conduc	8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X 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.

9. Remarks NONE
Applicable Manufacturer's Data Reports to be attached
<u> </u>
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the
ASME Code, Section XI. repair or replacement
·
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
dRholl man
Signed Suler 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 in this Owner's Report during the period
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.
WILL OF THE COMMISSION ANT BNS PAZZON
Ulliam R. Toquest Commissions NB 7980 AN, I, BNS PA 2204 Inspector's Signature National Board, State, Province, and Endorsements  Date MAY 30 2003
Date MAY 30 2003

1. Owner		PPL SUSQUEHANNA	A, LLC		Dat		24	-APRIL-2	003	
	769 SALE	M BLVD, BERWICK, P	A 18603		Sheet	-	2	of	2	
2. Plant	Susqu	EHANNA STEAM ELEC	NA STEAM ELECTRIC STATION Unit					Two		
	769 SALE	M BLVD, BERWICK, P	A 18603			Pensir		EE BELOW	Inh No. etc	
3. Work Perf	ormed by	PPL SUSQUEHANNA, LLC			Repair Organization P.O. No., Job No., etc.  ANNA, LLC Type Code Symbol Stamp			No.	ne	
	769 SALE	BLVD, BERWICK, P			Authoria	zation _			N/A	
		record			Expirati	ion Date			N/A	
4. Identifica	tion of System		Resi	DUAL HEAT	REMOVA	<u>L</u>	249D	-11		
		ion Code <u>III</u> 19 Section XI Utilized for R			_ Adden 89	da, <u>N</u>	lo	Co	ode Case	
6. Identifica	tion of Compon	ents Repaired or Replace	ed and Replace	ment Compone	ents	; ;				٠.
ITEM No	CRF / PCWO	DESCRIPTION (	OF WORK	YEAR ADDEN		CODE CASES	TE	STING	PRES:	
	- · • ·				ł			. :	PRESS	TEMP

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRES:	
					. : :	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
					·		
							,

1. Owner PPL SUSQUEHANNA, LLC				Date	24 APRIL-2003			
769 SA	LEM BLVD, BERW	rick, PA 18603	Sheet	of	2			
2. Plant SUS	Address  QUEHANNA STEAM	A ELECTRIC STAT	ПОМ	Unit		Two		
	NAN	IE .				<del> </del>		
769 SA	LEM BLVD, BERW	ICK, PA 18603		Ren		AGE 2 OF 2 in P.O. No., Job No., etc.	<del></del>	
3. Work Performed by	PPL Su	SQUEHANNA, LL	С	Type Code Sym	_			
769 SA	LEM BLVD, BERW	тск, PA 18603		Authorization N	o	N/A		
				Expiration Date		N/A		
4. Identification of Syste	-m	RHR Shu	TDOWN COOL	ING MODE SYSTE	M	249G-I		
5. (a) Applicable Const		<u>                                     </u>		· ————	Addenda,	No (	Code Case	
(b) Applicable Edition	n of Section XI Utilize	ed for Repairs or Re	placements 19	89				
6. Identification of Comp	onents Repaired or	Replaced and Replaced	acement Compo	onents				
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 20F 2				
	tydrostatic	Pneumatic sure	_	Operating Pressure st Temp.	X *	SEE PAGE 2	OF 2	

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

9. Remarks 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 conforms to the rules of the	
ASME Code, Section XI. Replacement repair or replacement	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration N/A	
Signed Signed Date UNE /7 , 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 byFACTORY MUTUAL INSURANCE CO of	
JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 1 - 2 7 - 03 to 4 - 1 - 03 and state the	at.
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	aı
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 P. Rogus III Commissions NB 7980 A. N. I. B. NS PAZZO 4	_
Ulliam 7. Togus 35 Commissions NR 7980 A. N. J. B. INS PAZZO 4  Inspector's Signature National Board, State, Province, and Endorsements  Date JUNE 18 2003	_
Date JUNE 18 2003	

1. Owner		PPL SUSQUEHANNA, LLC	Dat		24-APR	24-APRIL-2003				
	769 SALE	M BLVD, BERWICK, PA 18603	Shee	t		2				
2. Plant	Susqi	JEHANNA STEAM ELECTRIC STATION	Unit							
	769 SALEM BLVD, BERWICK, PA 18603					SEE BELOW Organization P.O. No., Job No., etc.				
3. Work Perl	formed by	PPL SUSQUEHANNA, LLC	Туре	Code Symb	_	•	ne			
	769 SALE	M BLVD, BERWICK, PA 18603	Autho	orization		N/A				
		Patrices	Expira	ation Date		N/A				
4. Identifica	tion of System	RHR SHUTDOWN C	COOLING MODE S	YSTEM		249G-I				
(b) Appl	icable Edition o	tion Code III 19 71 Edition,  f Section XI Utilized for Repairs or Replace ments Repaired or Replaced and Replacem	ements 19 <u>89</u>	enda, <u> </u>	<b>No</b>	Code Case				
ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING		SURE ST			
						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			

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

(12/88)

#### FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL

#### **NUCLEAR PARTS AND APPURTENANCES\*:** As Required by the Provisions of the ASME Code, Section III

N341186

	One Day's Production	Pg. 1 of _1_
anufactured and certified by Masoneilan Dresser, 85	Bodwell Street, Avon, Massachuse	tts 02322-1190
	(name and address of NPT Certificate Holder)	
anufactured for Pennsylvania Power & Light, 2 N	orth Ninth St., Allentown, PA 18	101
	(name and address of Purchaser)	
ocation of installation Pennsylvania Power & Light,	5 miles RE of Berwick on US Rt. I	I, BETWICK, PA 18003
		2001
rpe: P9899 Rev. D Haynes Alloy 6B (drawing no.) (mat'l. spec. no.)	139,000 PSI N/A (tensile strength) (CRN)	(vear built)
•	Winter 1975 Addenda 1	N/A
SME Code, Section III, Division 1: 1974 Edition (edition)	(addends data) (class)	(Code Case no.)
the decided to according to which Course Course 18th Course	N/A Revision N/A	Date X/A
ibricated in accordance with Const. Spec. (Div. 2 only)	(no.)	Date
emarks: Masoneflan Part Nº 013431-135-1L2	2 - 1"	•
Spare Part for S/N N00186-5,-6,-7	7,-8,-9,-10,-12,-14,-15	
Qty. 3	At AB	
om. thickness (in.) <u>N/A</u> Min. design thickness (in.)		ngth overall (ft & in.) N/A
hen applicable, Certificate Holders' Data Reports are attache	ed for each item of this report:	
·		
Part or Appurtenance National	Part or Appurtenance	National
Part or Appurtenance National Serial Number Board No.	Serial Number	Board No.
Heat Numbers in Numerical Order	Selial Notinger	in Numerical Order
ueac admocts an Admends Order		In Numerical Order
(1) 1810-2-1045-7	(26)	
(2)	(27)	
(3)9	(28)	
(4)	(29)	
(5)	(30)	
(6)	(31)	<u> </u>
(7)	(32)	<u> </u>
(8)	(33)	
(9)	(34)	
10)	(35)	
11)	1 1 · ·	
12)	(37)	
14)	(39)	
15)	(40)	
(16)	(41)	
	[42]	
(18)		
19)	(44)	
20)	(45)	
21)	(46)	<u> </u>
22)	(47)	
	(48)	<del></del>
(23)		
23)	(49)	

<sup>\*</sup>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.

#### FORM N-2 (Back - Pg. 2 of \_2\_)

	Certificate Holder	's Serial Nos. N=3+1100-2 through
	CERTIFICATION OF DESIG	gn
Design specifications certified by	Sidney A. Copland (when applicable)	P.E. State PA Reg. no. 19877-E
Design report* certified by	R/A (when applicable)	P.E. State N/A Reg. no. N/A
	CERTIFICATE OF COMPLIA	NCE .
We certify that the statements made in thi	s report are correct and that this=\these\	Plug S/A
conforms to the rules of construction of th	-	
NPT Certificate of Authorization No.	N-1837	Expires August 19, 2001
Date 2-5-01 Name Maso	neilan-Dresser Industries	Signed William & Concernia (suthorized representative)
_	CERTIFICATE OF INSPECT	ION .
MA and employed b	y H.S.B.I. & I. Co.	and Pressure Vessel Inspectors and the State or Province of
of HORTHORD CT have inspec	ted these items described in this Data Rep	ort on TEB. 5, 200 , and state that to the
best of my knowledge and belief, the Cert	ificate Holder has fabricated these parts or	r appurtenances in accordance with the ASME Code, Section
III, Division 1. Each part listed has been au		·
		ry, expressed or implied, concerning the equipment described e in any manner for any personal injury or property damage or
loss of any kind arising from or connected	· · · · · · · · · · · · · · · · · · ·	carety manner for entry personal injury or property demage or
Date 2/5/01_ Signed //		_ CommissionsMA - U337
Onto Jane	(Authorized Inspector)	[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

Pg. <u>1</u> of <u>2</u>

fanufactured for Penn. Power & Light.			
ocation of installation Berwick, PA.	(name and address of Purchase	r)	
Type: *32427-712-C Rev. 01 SA 351- (drawing no.) (mar'l. spec. r	CFSM 80.3 KSI (tensile strength)	N/A 2002	<del></del>
SME Code, Section III, Division 1: 197		(class) (Code Osse no.)	
abricated in accordance with Const. Spec.		N/A Date N/A	•
Remarks: Cust. Item 01 A&M Item 10. ( This certification meets the required inf  Nom. thickness (in.) 3.8125"		71. Winter 1972 Addenda.	wg, Prepared by A&M.
When applicable, Certificate Holders' Data			, , , , , , , , , , , , , , , , , , ,
Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(I) HT: 438501 S/N: N45392-1	N/A ·	(18)	
Ø	•	(19)	
(3)		(20)	
(4)		(21)	
(5)		(22)	,
6		(23)	
m ·	•	(24)	
(6)		(25)	
(9)		(26)	
(10)	•	(27)	
(11)		(25)	•
(12)		(29)	
(13)	•	(30)	
(14)		(31)	
(15)		(32)	
		(33)	
(16)			1

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

<sup>&</sup>quot;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.

#### 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 P.E. State PA Reg. no. 19870-E (when applicable) Design report\* certified by HERBET COOK \_ P.E. State MA Reg. no. 10981 (when applicable) 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 /24/62 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) 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 Mary 1000 and employed by HSB CT of Hartford CT have inspected these items described in this Data Report on 1000 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. (Nat'l. Bd. (incl. Endorsements) and state or prov. and no.)

1. Owner	PPL SUSQUE		<del></del>	Date	25	APRIL-2003	
769 SAL	EM BLVD, BERWI	<del></del>	<u>.</u>	Sheet	of	2	
2. Plant SUSC	QUEHANNA STEAM		10N	Unit	<del> </del>	Two	
769 SAL	EM BLVD, BERWI	-		Pan		AGE 2 OF 2	
3. Work Performed by	*******	SQUEHANNA, LLO	<u> </u>	Type Code Sym	_	• •	
769 SAL	EM BLVD, BERWI	ск, РА 18603	<del></del>	Authorization N	o	N/A	
	, Address			Expiration Date		N/A	•
4. Identification of System	n	R	CIC WATER L	OOP SYSTEM	250A-I	<u>!                                    </u>	<del></del>
5. (a) Applicable Constr (b) Applicable Edition	of Section XI Utilize		71 Edition	89	Addenda,	<u>No</u> C	ode Case
6. Identification of Comp	7						**
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	<b>Ye</b> ar Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. PUMP	BINGHAM	210016	N/A	2P203	1971	REPAIRED	YES
	-						
	;						
							<u> </u>
7. Description of Work			SEE	: PAGE 20F 2			
8. Tests Conducted:	Hydrostatic Pres	Pneumatic Sure		Operating Pressure st Temp.	X	SEE PAGE 2	OF 2
	ntal sheets in form o						) informa-

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

9. Remarks	s NONE			
		Apolicable Manufactu	urer's Data Reports to be attach	led .
	· · · · · · · · · · · · · · · · · · ·			
				<del></del>
		CERTIFICATION	N OF COMPLIANC	E
We	e certify that the statements n	nade in the report are corre	ect and this Rep	pair conforms to the rules of the
	code, Section XI.	1000 III alo Topolicalo solla	repair or re	- Comoning to the fales of the
*******	<b></b>			
Туре (	Code Symbol Stamp		N/A	
Certific	cate of Authorization No.	N/A	Expiration	N/A
	NO1	2 2		
Signed	1 / Seu	Poul	Date MA	19 19 03
	Owner's Desig	nee, Title Welding Engineer		
	<del></del>		· .	
		CERTIFICATION OF	INSERVICE INSPI	ECTION
•				• , •
I, the und	dersigned, holding a valid cor	nmission issued by the Nati	ional Board of Boiler and	d Pressure Vessel Inspectors and the State
	nce of <u>PENNSYLVANIA</u> INSTON, RHODE ISLAND	and employed by _		AL INSURANCE CO. of e inspected the components described
in this Ov	wner's Report during the perio	od 10-15-02		4-1-03 , and state that
to the bes	est of my knowledge and belie	of, the Owner has performed	d examinations and take	en corrective measures described in this
Owner's I	Report in accordance with the	e requirements of the ASMI	E Code, Section XI.	
By sig	gning this certificate neither tr	le Inspector nor his employ	er makes any warranty,	, expressed or implied, concerning the
ehall he i	tions and corrective measure	s described in this Owner a	Kepoπ. rumemore, Ismage or a loss of any	neither the Inspector nor his employer kind arising from or connected with this
inspection		Cisonal injury or property	dillaye or a root or arry	Killy disting from or confector with the
1.).	71. 00			
W	Mam 16. 16 vgs	Com	missions NB 7980	A.N.I.B.NS PAZZO4
	Inspectors Signature		National Bo	pard, State, Province, and Endorsements
Date M	1AY 30 20 6	2.3		1 .
	<u> </u>	<u> </u>		

		As Required by the Florision	S OI LITE ASINE	coue sec	rion Vi		
1. Owner		PPL SUSQUEHANNA, LLC	Dat	•	25-APRIL	25-APRIL-2003  2 of 2  TWO  SEE BELOW rganization P.O. No., Job No., etc.  Stamp Nor  N/A  N/A  N/A	
	769 SALE	M BLVD, BERWICK, PA 18603	Shee	et .		2	
2. Plant	Susqu	JEHANNA STEAM ELECTRIC STATION	Unit		Two	1	
	769 SALE	M BLVD, BERWICK, PA 18603		Renai			
3. Work Per	formed by	PPL SUSQUEHANNA, LLC	Т	Code Symb	•		ne
	769 SALE	M BLVD, BERWICK, PA 18603	Autho	orization	· · · · · · · · · · · · · · · · · · ·	N/A	
		ADDRESS	Expir	ation Date	····	N/A	
4. Identifica	ition of System	RCIC	WATER LOOP SY	STEM	250A-II		
(b) Appl	licable Edition o	tion Code III 19 71 Edition, f Section XI Utilized for Repairs or Replace ents Repaired or Replaced and Replacem	ements 19 <u>89</u>	enda, <u>N</u>	No .	Code Case	
ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRES	SURE ST
						PRESS	TEN
4	02-250-002	WELD REDAID SLICTION & DISCHARGE	Droft 1968	NONE	NONE	N/A	N/A

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

1. Owner	. Owner PPL SUSQUEHANNA, LLC				Date	28	28 APRIL-2003			
	769 SAL	EM BLVD, BERWIG	CK, PA 18603	<del> </del>	Sheet _	0	f3			
2. Plant	Susc	UEHANNA STEAM		TION	Unit	,	Two	<u> </u>		
	769 SAL	NAME EM BLVD, BERWIG				SEE I	PAGE 3 OF 3			
		Address				Repair Organizat	on P.O. No., Job No., etc.			
3. Work Perl	formed by	PPL Sus	QUEHANNA, LLO NAME	<u> </u>	Type Code	Symbol Stamp	NONE NONE			
	769 SALEM BLVD, BERWICK, PA 18603					Authorization No. N/A				
					Expiration	Date	N/A			
4. Identifica	4. Identification of System RCIC TURBINE AND AUXILARY (STEAM LOOPS AND FLOW CONTROL) 250B-II									
5. (a) Appli	cable Constru	uction Code	III 19	71 Edition	thru W7	2 Addenda	ı, No C	ode Case		
		of Section XI Utilized	for Repairs or Re	placements 19	89	<del></del>				
6. Identifica	tion of Compo	onents Repaired or R	eplaced and Repl	acement Compo	nents					
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year on Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
	URE DISC MBLY	BS&B SAFETY SYSTEMS	HT: 886796 HT: 877448 LOT: 84090018-1	N/A	PSE2D00	1984	REPLACED	YES		
	URE DISC MBLY	BS&B SAFETY SYSTEMS	HT: 886796 HT: 877448 LOT: 84090018-1	N/A	PSE2D00	1984	REPLACEMENT	YES		
ł .	URE DISC MBLY	BS&B SAFETY SYSTEMS	HT: 886796 HT: 877448 LOT: 84090018-1	N/A	PSE2D00	1984	REPLACED	YES		
4. RUPT ASSE	URE DISC MBLY	BS&B SAFETY SYSTEMS	HT: 886796 HT: 877448 LOT: 84090018-1	N/A	PSE2D00	1984	REPLACEMENT	YES		
7. Descripti	ion of Work			SEE	PAGE 30F 3	 				
8. Tests Co		Hydrostatic Dother Press	Pneumatic [	_	Operating Present Section    Sect		SEE PAGE 3	OF 3		

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.

Remarks	NONE				
•	<del>, , , , , , , , , , , , , , , , , , , </del>	Applicable Manufa	acturer's Data Reports to be attac	thed	
	<del></del>				
					· · · · · · · · · · · · · · · · · · ·
		CERTIFICATION	ON OF COMPLIAN		
We ce	ertify that the statements ma	ide in the report are con		epair conform	ns to the rules of the
ASME Code	e, Section XI.		repair or r	replacement	
Type Cod	de Symbol Stamp		N/A		
Certificate	e of Authorization No.	N/A	Expiration		N/A
Signed _	E/S Seele	il		144 21	,20 <u>03</u>
	Owner or Owner's Designe	ee, Title Welding Engineer	Г		
<del></del>				<del></del>	
	C	ERTIFICATION OF	F INSERVICE INSP	ECTION	
i, the under	rsigned, holding a valid comm	nission issued by the N	ational Board of Boiler a	nd Pressure Vessel	Inspectors and the State
	of <u>PENNSYLVANIA</u> STON, RHODE ISLAND	and employed by		JAL INSURANCE C  /e inspected the com	
in this Owne	er's Report during the period		2to	3-21-03	, and state that
	of my knowledge and belief, eport in accordance with the			cen corrective measu	ures described in this
	ng this certificate neither the			, expressed or impli	ed, concerning the
avamination	ns and corrective measures				
	sie in any manner for any ne	rsonal injury or property	y damage or a loss of any	y kind arising from o	r connected with this
shall be liab	on any mamor to any pe				
shall be liab inspection.			NIP 7905	ANTRAIC	PA 2704
shall be liab inspection.		<i>ॻ</i> c₀	mmissions NB 7980	A,N,I,B,NS	PA 2204
shall be liab inspection.	liam P. Pagus Inspector's Signature	<i>ॼ</i> тCo	mmissions <u>NB 7980</u> National B	oard, State, Province	PA 2-204 e, and Endorsements
shall be liab inspection.			mmissions <u>NB 7980</u> National B	A, N, I, B, NS loard, State, Province	PA 2209 e, and Endorsements

1. 0	wner	PPL SUSQUE			Date	28-	-APRIL-2003		
_	769 SAL	EM BLVD, BERW	іск, РА 18603		Sheet	of	3		
2. P	lant SUSC	QUEHANNA STEAM		TION	Unit	Two			
	769 SAL	EM BLVD, BERW	_				AGE 3 OF 3		
3. W	/ork Performed by	PPL Sus		<u>c</u>	Type Code S	•			
	769 SAL	EM BLVD, BERW	NAME ICK, PA 18603		Authorization	No	N/A		
		Address			Expiration Da	ite	N/A		
4. l	dentification of Syster	n RCIC 1	TURBINE AND AU	XILARY (STEA	M LOOPS AND	FLOW CON	TROL) 2	50B-II	
	(a) Applicable Construction (b) Applicable Edition dentification of Compo	of Section XI Utilize	d for Repairs or Re	eplacements 19	89	Addenda, 	<u>No</u> c	Code Case	
	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	

1. Owner			Dat		2	28-APRIL-2003			
		NAME							
	769 SALEN	BLVD, BERWICK, PA 18603		Sheet	t	3	of	3	
		Address							
2. Plant	Susqu	EHANNA STEAM ELECTRIC STATION		Unit			Two	•	
		NAME	<u></u>			·			
	769 SALEN	BLVD, BERWICK, PA 18603			S	EE BELOW			
		Address			Repai	r Organiza	ation P.O. No., J	lob No., etc.	
3. Work Perf	ormed by	PPL SUSQUEHANNA, LLC		Type Code Symbol Stamp None					
		Name							
	769 SALEN	BLVD, BERWICK, PA 18603		Authorization N/A			N/A		
		ADDRESS							
				Expira	ation Date		i	N/A	
4. Identificat	tion of System	RCIC TURBINE AND AUXILA	RY (STEAM	LOOP	S AND FLO	ow Co	NTROL)	250B-II	
		ion Code <u>III</u> 19 <u>71</u> Edition, Section XI Utilized for Repairs or Replace		•	enda, <u>N</u>	10	Co	de Case	
6. Identifica	tion of Compon	ents Repaired or Replaced and Replacem	ent Compone	nts					
ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR	-	CODE CASES	TE	STING	PRESSURE TEST	

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 N/A	

1. Owner		PPL SUSQUE		<del></del>	Date		28	APRIL-2003	****
	769 SAL	EM BLVD, BERW			Sheet _	1	of	2	
2. Plant	Susc	QUEHANNA STEAM		TION	Unit	· · · · · · · · · · · · · · · · · · ·		Two	
	769 SAL	EM BLVD, BERW	_		<u></u>			AGE 2 OF 2	<del></del>
3. Work Per	formed by		SQUEHANNA, LL Name	<u>c</u>	Type Code			n P.O. No., Job No., etc NON	
	769 SAL	EM BLVD, BERW	ск, РА 18603		Authorizat	ion No.		N/A	
		ACCION			Expiration	Date _		N/A	
4. Identifica	ition of Syster	n		CORE S	SPRAY 2	51A-li			
(b) App	licable Edition	uction Code of Section XI Utilize onents Repaired or I	d for Repairs or Re	eplacements 19	89	74 Ad	denda,	No	Code Case
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificati		<b>Yea</b> r Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	I/DISC MBLY	YARWAY	A1326	N/A	252001	1	977	REPLACED	YES
	I/DISC MBLY	YARWAY	TEZG-C14	N/A	252001	1 2	2000	REPLACEMENT	YES
,									
									:
7. Descripti	onducted: H	Hydrostatic Other Pres	Pneumatic sure	Nominal C	PAGE 20F 2 Degrating Prest Temp.		X.	SEE PAGE 2	? OF 2
NOTE	: Supplemen	ntal sheets in form o	of lists, sketches, o			vided (1)	size is	8½ in. x 11 in., (	2) informa-

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

9. Remarks 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 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 ERA D Date May 19 2003	
Signed Date ///44 / 9 , 20 03	The
CERTIFICATION OF INSERVICE INSPECTION	
CERTIFICATION OF INSERVICE INSPECTION	in the action of the
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.	risigari eke iz
JOHNSTON, RHODE ISLAND have inspected the components described	
in this Owner's Report during the period $\frac{(2-04-02)}{(2-04-02)}$ to $\frac{(-17-03)}{(2-04-02)}$ , 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.	
Use Commissions NB 7980, A. N. E. B. NS PAZZO & National Board, State, Province, and Endorsements	
Date MAy 2120 <u>0 3</u>	i I
	i

1. Owner		PPL SUSQUEHANNA, LLC	Dat		2	8-APRIL-2	003	
	769 SALE	M BLVD, BERWICK, PA 18603	Shee	t	_2	of	2	
2. Plant	Susqu	JEHANNA STEAM ELECTRIC STATION	Unit			Two		
	769 SALE	M BLVD, BERWICK, PA 18603		Done		SEE BELOW	L-L- 64	
3. Work Per	formed by	PPL SUSQUEHANNA, LLC	Туре	Code Symt	•	np	No., etc.	ne
	769 SALE	M BLVD, BERWICK, PA 18603	Autho	rization		i	N/A	<del>.</del>
		PERILOG	Expira	ation Date		<b>.</b>	N/A	
4. Identifica	tion of System		CORE SPRAY	251A-I	1			
		tion Code <u>III</u> 19 <u>74</u> Edition, f Section XI Utilized for Repairs or Replace		enda, <u> </u>	No	Co	ode Case	
6. Identifica		ents Repaired or Replaced and Replacem	•		*		, est , i ,	en sala
ITEM No.	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TE	STING	PRES TE	SURE ST
	· • • •		il de la composition della com			- i	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
				<del>                                     </del>	-			<u> </u>

#### 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 **cf** YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 18422-0760 Manufactured and certified by \_\_\_ FRAMATOME TECHNOLOGIES, LYNCHBURG, VA 24506 Manufactured for iname and address of purchaser) Location of installation STOCK (name and address) 969155-06 52,000 PSI MIN MS5385E (disc) ASME Code, Section III: NONE Fabricated in accordance with Const. Spec. (Div. 2 only) Revision FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A PRESSURE RETAINING PARTS FOR THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS Nom. thickness (in.) \_\_\_\_ \_ Min. design thickness (in.) \_ Dia ID (ft. & in.) Length overall (R. & in.) When applicable, Certificate Holders' Data Reports are attached for each item of this report; Part or Appurtenance National Board No.

Serial Number	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-C9 / (10) TEZG-C10 / (11) TEZG-C11 / (12) TEZG-C12 /	
(13) TEZG-C13 / (14) TEZG-C14 / (15) TEZG-C15 / (16) TEZG-C18 / (17) TEZG-C18 / (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	

Serial Number	National Board No. in Numerical Order
(26) (27) (28) (29) (30) (31) (33) (34) (35) (35) (35)	
(38) (39) (40) (41) (42) (43) (44) (45)	FI
(40) (47) (48) (49) (50)	OP SUP PEG

Design pressure		psi. Temp.	**	*F Hydro, test pressure	N/A	at temp. F
**FOR ANSI CLASS 1500 VA	LVES		*		(when applicable)	

"Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8% 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) many be obtained from the Order Dept., ASME, 22 Lew Drive, Box 2300, Fairfield, NJ 67007-2300

#### FORM N-2 (back)

Mfr. Serial No. SEE FRONT

	CERTIFICATION OF DES	IGN						
Design specifications certified by	(SEE REMARKS)	P.E. State	Reg. no					
Design report* certified by	N/A (n-t-un application)	P.E. State	Reg. no.					
CERTIFICATE OF 8HOP COMPLIANCE								
We certify that the statements made in conforms to the rules of construction of	this report are correct and that this (these) the ASME Code, Section III.	STEM AND DISC ASSEMBL	ES, 1 INCH					
NPT Certificate of Authorization No.	N-2450 .	Expires November	14, 2001					
Date	Name YARWAY CORPORATION (NPT Certificate Holder)	Signed J.W. (authorized	Taprotarization)					
• •	CERTIFICATE OF SHOP INSP	ECTION :						
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 Oct 22/60 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtanances 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 16/33/30 Signed (Authorized Inspector)  Commissions PA 2389 N  (Authorized Inspector)								
			<del></del>					

FII OP SUP PBG

1. Owner			EHANNA, LLC		Date	0:	5 May-2003		
	769 SA	LEM BLVD, BERW	иск, PA 18603		Sheet	<u>1</u> o	4		
2. Plant	Sus	QUEHANNA STEAM	MELECTRIC STA	TION	Unit		Two		
·	769 SAI	LEM BLVD, BERW	i∈ νιCK. PA 18603	i		SEE F	AGE 4 OF 4		
<del></del>		Address	,		Rep	air Organizati	on P.O. No., Job No., etc.	<u> </u>	
3. Work Per	formed by	PPL Su	SQUEHANNA, LL	.c	Type Code Syn	nbol Stamp	NONE		
769 SALEM BLVD, BERWICK, PA 18603					Authorization N	o	N/A		
		74,000			Expiration Date		N/A		
4. Identifica	ation of Syste	m	S	TANDBY LIQU	ID CONTROL	253A-	II		
(b) Appl	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								
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1. CHEC	K VALVE	BORG WARNER	17990	N/A	248F033B	1976	REPLACED	YES	
2. CHEC	K VALVE	EDWARDS	72AIW	N/A	248F033B	1997	REPLACEMENT	YES	
-	L PIPE Assembly	BECHTEL	N/A	N/A	SPDCB201-3	1983	REPLACED	YES	
	L PIPE ASSEMBLY	PPL	N/A	N/A	SPDCB201-3	2002	REPLACEMENT	No	
5. PLUN	GER	UNION PUMP	N/A	N/A	2P208A	1971	REPLACED	No	
6. PLUN	GER	GE	HT: A17828	N/A	2P208A	1989	REPLACEMENT	No	
7. PLUN	GER	UNION PUMP	N/A	N/A	2P208B	1971	REPLACED	No	
7. Description		hudanakatis [7]	Daawaata	7	PAGE 40F 4	[V]	Ope Dear 4 of		
8. Tests Co		lydrostatic Other Pres	Pneumatic	_	Operating Pressure st Temp.	<u>X</u> *	SEE PAGE 4 0	1 <b>- 4</b>	

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

9. Remarks	Manufacturer's Dat	la Sheets Attac	hed.		•		
_	<del></del>	Apolicab	ole Manufacturer	s Data Reports to be	attached		
	<del></del>					·····	
			····				
					<del></del>		
	<del> </del>					<u> </u>	·
		CERTIFIC	CATION	OF COMPLIA	NCE		
We cert	tify that the statements r	nade in the report	are correct		PLACEMENT CONF	orms to the rules	of the
ACINE COUC,	oodon Al.			·	•		
Type Code	Symbol Stamp		•	N/A	<b>.</b>		
.,,					<u> </u>		<del></del>
Certificate o	of Authorization No.	N/A		Expiration		N/A	<del></del>
Signed /	AR Ko. S	2.1		Date	5/21	. 20 (	23
	Owner or Owner's Desig	nee, Title Welding	Engineer				
		CERTIFICATIO	ON OF INS	SERVICE INS	SPECTION		
1 the undersid	ned, holding a valid cor	nmission issued hy	v the Nations	I Roard of Roile	r and Proceure Voce	el inenectore an	d the State
or Province of	PENNSYLVANIA			FACTORY MU	TUAL INSURANCE	CO.	of
	N, RHODE ISLAND  Report during the period	od3 - '	7-01	r	nave inspected the c		ribed I state that
	ny knowledge and belie				taken corrective mea	asures described	l in this
	rt in accordance with the this certificate neither the				nty, expressed or im	plied, concerning	g the
	and corrective measure						
inspection.	in any manner for any p	ersonal injury or pi	ropeny dam	age or a loss of a	any kind ansing from	or connected w	im mis
Willian	P Prom	जा	Commiss	ions NB798	30 A N.I B	NS PAT	2204
W. C. C.	Inspector's Signature			National	Board, State, Provi	nce, and Endors	ements
Date MAY	30 20 <b>0</b>	3					

1. Owner		PPL SUSQUE			Date	05	-MAY-2003	
	769 SAL	EM BLVD, BERW	ск, PA 18603		Sheet	2 of	4	
2. Plant	Suga	Address  QUEHANNA STEAM	I ELECTRIC STAT	TION	Unit		Two	
Z. Plant		NAMI					1410	
	769 SAL	EM BLVD, BERWI	ск, PA 18603				AGE 4 OF 4	
		Address		_			n P.O. No., Job No., etc.	
3. Work Po	erformed by	PPL Sus	RAME	<u>C</u>	Type Code Sy	mbol Stamp	None	
	769 SAL	EM BLVD, BERW	ск, PA 18603		Authorization I	1o	N/A	
<u> </u>		Address			Expiration Date	9	N/A	
4. Identifi	cation of Syster	m	S	TANDBY LIQUI	D CONTROL	253A-		
		uction Code				Addenda.		ode Case
		of Section XI Utilize				_ Audenda, CASE N-416-1		ode Case
							-	
6. Identifi	cation of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			
				•		T		ASME
				·National			Repaired,	Code
N	ame of	Name of	Manufacturer	Board	Other	Year	Replaced, or	Stamped (Yes or
Co	mponent	Manufacturer	Serial No.	. No.	Identification	Built	Replacement	No)
	•	ł					}	1
8. PLU	INGER	GE	HT: A17828	N/A	2P208B	1989	REPLACEMENT	No
9. PLU	INGERS (2)	UNION PUMP	N/A	N/A	2P208A	1971	REPLACED	No
]	MOLIG (2)		]	1,771	21 20011	1 .,,,	) TO LICED	1
10. PLU	INGER	GE	SR0479-01	N/A	2P208A	1990	REPLACEMENT	No
11. PLU	INGER	GE	SR0479-03	N/A	2P208A	1990	REPLACEMENT	No
12. Tri		IST CONAX	5749	5749	248F004A	1999	REPLACED	YES
	SEMBLY	NUCLEAR	6314	6214	248F004A	2002	DEDI ACELERIE	Vro
13. Tri	GGER SEMBLY	IST CONAX NUCLEAR	0314	6314	240FUU4A	2002	REPLACEMENT	YES
	ET FITTING	IST CONAX	5774	5774	248F004A	1999	REPLACED	YES
		NUCLEAR						
15. INL	ET FITTING	IST CONAX	6339	6339	248F004A	2002	REPLACEMENT	YES
		NUCLEAR						
16. Tri		IST CONAX	5748	5748	248F004B	1999	REPLACED	YES
	SEMBLY	NUCLEAR				1		<del></del>
17. TRI		IST CONAX	6316	6316	248F004B	2002	REPLACEMENT	YES
	EMBLY	NUCLEAR IST CONAY	6772	5000	24050045	1000	Dept. 4 cm	37
18. INL	ET FITTING	IST CONAX NUCLEAR	5773	5773	248F004B	1999	REPLACED	YES

1. Owner		PPL SUSQUE		<u></u>	Date	05	-May-2003	
	769 SAL	EM BLVD, BERW			Sheet	3 of	4	
2. Plant	Plant SUSQUEHANNA STEAM ELECTRIC STATION NAME						Two	
	769 SAL	EM BLVD, BERW	ICK, PA 18603				AGE 4 OF 4	
		Address	-			Repair Organizatio	on P.O. No., Job No., etc.	
3. Work Perform	med by	PPL Su	SQUEHANNA, LLO	<u> </u>	Type Code S	symbol Stamp	NONE	
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization	No	N/A	
		21000			Expiration Da	ate	N/A	
4. Identification	n of Systen	n	S1	FANDBY LIQUI	D CONTROL	253A-	II	
		uction Code of Section XI Utilize						ode Case
6. Identification	n of Compo	onents Repaired or I	Replaced and Repla	acement Compo	onents			
Name Compor		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 F	ITTING	IST CONAX NUCLEAR	6341	6341	248F004B	2002	REPLACEMENT	YES
20. SMALL SUPPOR		BECHTEL	N/A	N/A	SPDCB201 H61	- 1983	REPLACED	No
21 SMALL	Dipe	DDI	N/A	N/A	SPDCR201	2003	REDI ACEMENT	No

SUPPORT

H61

1. Owner	PPL S	SUSQUEHANNA	LLC	Dat	05-MAY-	2003
		NAME	·			
	769 SALEM BLVD	BERWICK, P	A 18603	Sheet	4 of	4
2. Plant	SUSQUEHANN	A STEAM ELEC	TRIC STATION	Unit	Two	<u> </u>
769 SALEM BLVD, BERWICK, PA 18603					SEE BELOV	
	Ac	dress		Re	pair Organization P.O. No	o., Job No., etc.
3. Work Perform	med byF	PPL SUSQUEH		Type Code Syr	mbol Stamp	None
	769 SALEM BLVD.		A 18603	Authorization		N/A
	AD	DRESS	,	Expiration Date	e	N/A
4. Identification	n of System		STANDE	LIQUID CONTROL	253A-II	
	ble Construction Code			hru W72 Addenda, ents 19 89 CODE C	No CASE N-416-1	Code Case
6. Identification	n of Components Rep	aired or Replace	ed and Replacement	Components		

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRES TE	SURE ST
						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

# 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

	(Na	ime and Address o	Ne. 1900 S	S SAUNDERS S	T, KALE	IGH, NC	2,603
2. Mai	nulactured for PENNS	ime and Address of F	uichaser of Owne		•		8603
l Loc		SUSBUENAA	ina se				L II
l. Pun	no or ValveVAL	YE	Nomina	I Inlet Size	Z" Ou	tlet Size	/2"
	(a) Model No., (b) N C		(c) Canadian		•••		•
	Series No.	Serial	Registration	• • • • • • • •		II) Nat'i.	(g) Year
	or Type	No.	No.	No.	(e) Class	Bd. No.	Built
(1)	D36274F316T1	71AIW	N/A	D91-22940-04		MA	1997
(2)	136274 F316T1	72AIW	WA	D91-22940-01	<del></del>	N/A	1997
(3)			<del></del>		<del></del>		
(4)				*		<del></del>	
(5) (6)					·····	<del></del>	
(7)							
(8)							
(9)		· · · · · · · · · · · · · · · · · · ·					
(10)	·						<u> </u>
	1/2 CHECK V						
-	1/2 CHECK VA	IBnet description	on of service for v	which equipment was dea	igned)	<u>-</u>	
		·····	<del></del>			36-45	1418_
	gn Conditions 224	15U(4)	800 (Temperature	*F or Valve Pre	ssure Class	1500	(1)
Colo	gn Conditions 224    Pre    Working Pressure   Sure Retaining Pieces	15U(4)		*F or Valve Pre	ssure Class	1500	(1)
Colo	الم كسب Working Pressure ا	15U(4)	100°F.	*F or Valve Pre		/ 500 Rema	·
Cold Pres	Working Pressure Sure Retaining Pieces	SGOO psi at	100°F.	·			·
Cold Pres	Working Pressuresure Retaining Pieces  Mark No.	SGOO psi at	100°F.	·	rer .	Rema	rks
Cold Pres	Working Pressure sure Retaining Pieces  Mark No.	SGOO psi at  Material S	100°F.	Manufactu	rer .		rks
Cold Pres	Working Pressure sure Retaining Pieces  Mark No.	SGOO psi at  Material S	100°F.	Manufactu	rer .	Rema	rks
Cold Pres	Working Pressure sure Retaining Pieces  Mark No.	SGOO psi at  Material S	100°F.	Manufactu	rer .	Rema	rks
Cold Pres	Working Pressure sure Retaining Pieces  Mark No.	SGOO psi at  Material S	100°F.	Manufactu	rer .	Rema	rks
Cold Pres	Working Pressure sure Retaining Pieces  Mark No.	SGOO psi at  Material S	100°F.	Manufactu	rer .	Rema	rks
Pres	Working Pressure sure Retaining Pieces  Mark No.	SGOO psi at  Material S	100°F.	Manufactu	rer .	Rema	rks
Pres	Working Pressure sure Retaining Pieces  Mark No.	SGOO psi at  Material S	100°F.	Manufactu	rer .	Rema	rks
Cold Pres	Working Pressure sure Retaining Pieces  Mark No.	SGOO psi at  Material S	100°F.	Manufactu	rer .	Rema	rks
Cold Press	Working Pressure sure Retaining Pieces  Mark No.	SGOO psi at  Material S	100°F.	Manufactu	rer .	Rema	rks
Cold Press	Working Pressuresure Retaining Pieces  Mark No.  Castings  H  Orgings	Material S  A 732 6	100°F.	Manufactu  Control IDATED	ChST.	Rema DISK	rks
Cold Press	Working Pressuresure Retaining Pieces  Mark No.  Castings  H  orgings  GFWB	Material S  A 732 G  SA 182 G	100°F. Spec. No.  R. 21  SR. F316	Manufactu  Consocioated  TRINITY F	ChST.	Pema DISK	rks
Cold Press	Working Pressuresure Retaining Pieces  Mark No.  Castings  H  Orgings	Material S  A 732 6	100°F. Spec. No.  R. 21  SR. F316	Manufactu  Control IDATED	ChST.	Rema DISK	rks
Cold Press	Working Pressuresure Retaining Pieces  Mark No.  Castings  H  orgings  GFWB	Material S  A 732 G  SA 182 G	100°F. Spec. No.  R. 21  SR. F316	Manufactu  Consocioated  TRINITY F	ChST.	Pema DISK	rks
(a) (	Working Pressuresure Retaining Pieces  Mark No.  Castings  H  orgings  GFWB	Material S  A 732 G  SA 182 G	100°F. Spec. No.  R. 21  SR. F316	Manufactu  Consocioated  TRINITY F	ChST.	Pema DISK	rks
(a) (	Working Pressuresure Retaining Pieces  Mark No.  Castings  H  orgings  GFWB	Material S  A 732 G  SA 182 G	100°F. Spec. No.  R. 21  SR. F316	Manufactu  Consocioated  TRINITY F	ChST.	Pema DISK	rks
(a) (	Working Pressuresure Retaining Pieces  Mark No.  Castings  H  orgings  GFWB	Material S  A 732 G  SA 182 G	100°F. Spec. No.  R. 21  SR. F316	Manufactu  Consocioated  TRINITY F	ChST.	Pema DISK	rks

<sup>(1)</sup> For manually operated valves only.

<sup>\*</sup> 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.

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Be-	1	V	41.5		5	/_	711	AIM AIM

	· · · · · · · · · · · · · · · · · · ·	Ir.	em I, Theel Valve
Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Balting	:		
	· <del></del> _	<del></del>	·
	<del></del>		
(d) Other Parts	·		
	***		
			<del></del>
	<del></del>	<u> </u>	
lydrostetic test _5400 psi.	Disk Differential test pressure 39	<u>75 pri.</u>	
ned <u>EDWARD VALL</u> IN Certificate Molder  ASME Certificate of Authorize			expires
	CERTIFICATION OF	DESIGN	
	EDWARD VALVES THE		4.07
sign information on file at ess analysis report (Class 1 on	IV) on file at EDWARD VA	ives Ide	603
	RAIGIGH	N.C.	
sign specifications certified by State PA Re	(1) <u>Dale Sati</u> D. No. <u>019525 E</u>	AR.	<del></del>
ess analysis certified by (1)	S L ADAM	s III.	
StateRe	g. No. 4187		
Signature not required. List na	me only.	·	
-	CERTIFICATE OF SHOP	INSPECTION	
e undersigned, holding a val	id commission issued by the N	stional Board of Boiler and Pres	sure Vessel Inspectors
HARTFORD CT	RTH CAROLINA	and employed by	
1-21 19	72, and state that to the best of cordance with the ASME Code. S	my knowledge and belief, the N C	ertificate Holder has con-
signing this certificate, neither	the Inspector nor his employer	makes any warranty, expressed	or implied, concerning
equipment described in this C	Pata Report. Furthermore, neithe	r the Inspector nor his employe	r shall be liable in any
	property damage or a loss of an	y kind arising from or connected	with this inspection.
	property damage or a loss of an  1 19 9 2 Commission		with this inspection.

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

ation-Only				
	•			007 <i>#</i>
FORM I	N-2 CERTIFICATE HOLDER	S' DATA REPORT I	FOR IDENTICAL	0017
<b>A.</b>	NUCLEAR PARTS AN			
M3	Required by the Provisions Not to Exceed On		, section ill	Pg. 1 of <u>2</u>
1. Manufactured and certified by			Drive, Chasktowaga, N	
		frame and address of t		1 14845
2. Manufactured for	GE Nuclear Ene			5
•		frame and address of Pur	<b>v</b>	
3. Location of Installation		Unknov terms and add		
4. Type: N20000, Rev. G	8A479 3048ST	76 KSI	N/A	2002
Lon private)	\$mat'l spec. NO.)	(tanelle strangth)	(CRN)	Pleas program
E ARNE Codo Comico III Redal				****
5. ASME Code, Section III, Divisi	en 1:	877 Inddende detal	1 (class)	N/A Code Case no.)
6. Fabricated in accordance with (	Const. Spec. (Div. 2 enly)	N/A Revision		Date
		tion		
7. Remarks: Trigger Body Si	ubassembly for explosive actuate	ed valve replacement to	it for standby liquid cor	trol system.
Pera. NB-2121	(b) is applicable to ram. Press i	11/Seef on .328 & .437	5 diameters. Overall s	ubassembly length is 2.5°.
Pressure Test e	at 2800 pai for 10 minutes.			
8. Nom. thickness (in.) See Remarks	Min design thickness fin b des	Dia ID Mr & L	n l Con Remote Lameth	nemati the fair is a first formation
9. When applicable, Certificate Ho	<del>-</del>	<del></del>	·	SAGLEN ALT STRING TO SEE AND STRINGS.
2. Tribit Epprocolo, Goldinozas rio			eporc.	
Part or Appurtenance	National Board No.		or Appurtenance	National Board No.
Marial Atomban	in Numerical Order	1 1	Serial Number	in Numerical Order
Serial Number				1
Peum Million		11		·
(1)6312	6312	(26)		·
(1) 631 <u>2</u> (2) 631 <u>3</u>	6312 6313 6314	(27)		
(1) <u>6312</u> (2) <u>6313</u>	6313			

	Serial Number	in Numerical Order	. Serial Number	In Numerical Order
(1)	6312	6312	(26)	
(2)	6313	6313	(27)	
(3)	6314	6314	(28)	
<b>{4</b> }	8315	6315	(29)	
(5)	6316	6316	(30)	
(6)	6317	6317	(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)	
(18)			(44)	
(20)			(45)	
(21)			(46)	
(22)			(47)	
(23)			(48)	
(24)			(49)	
(25)			(60)	

10. Design pressure 1500	0osi.	Temp	150	°F.	Hydro. test pressure	Soo Flemarks (When approxime)	_et temp
--------------------------	-------	------	-----	-----	----------------------	-------------------------------	----------

<sup>\*</sup>Supplemental information in the form of flats, exerches, or drawings may be used provided (1) size is 8% x 11, (2) information in items 2 and 3 on this pace of Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form. Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

r-Information Only-

The second secon

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#### FORM N-2 (Back - Pg. 2 of \_2\_)

	Certificate Holder's Serie	al Nos. 63	112	through	6317
	CERTIFICATION OF DESIG	in .			
Design specifications cartified by	George I. Skoda (when applicable)	P.E. State	CA	Reg. no.	15847
Design report® certified by	Francis J. Domino tween applicable!	P.E. State	NY	Reg. no	36832
	CERTIFICATE OF COMPLIA	NCE			
We certify that the statements made in thi	is report are correct and that this (these)		rigger Body	Subassembly	<u></u>
conforms to the rules of construction of ti	na ASME Code, Section III, Division 1.				
NPT Certificate of Authorization No.	N-1850	Expires	Sep	tember 2, 200	)4
Date 4/23/02 Name	IST Conex Nuclear	Signed 6	zul	Elouc	Aman
	80°T Ceruficate Holder)	7	(autho	rized representativ	4/ /
	CERTIFICATE OF INSPECT	ION			
I, the undersigned, holding a valid commissio	n issued by the National Board of Boller and	Pressure Vessel Ins	pactors and	the State or P	rovince of
New York and employed by		HSB CT			
of Hartford, CT have inspect best of my knowledge and belief, the Cent Section III, Division 1. Each part listed has By signing this certificate, neither the insp described in this Data Report. Furthermos property damage or loss of any kind arisin	s been authorized for stamping on the dat sector nor his employer makes any warrar rs, naither the inspector nor his employer	or appurtenances in a shown above. nty, expressed or in shall be liable in ar	n sécordano mplied, con	e with the AS carning the eq	ME Code, uipment
Date <u>5-1-02</u> Signed	Themsalet Comm	niașions	NB 1096 id. (Incl. endors	HAN NY 5	



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# FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES. As Required by the Provisions of the ASME Code, Section III

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		Not to Exceed One Day's Production	ne Day's Produ			Pg. 1 of 2
1. Manufac	1. Manufactured and certified by	IST-Conax	Nuclear, Inc. 40; frame and ad	, inc. 402 Sonwil Drive, Cheekto Prene and educas of NTT Certicals Holder	ST-Conax Muclear, Inc. 402 Sonwil Drive, Chaektowage, NY 14225 pene end educat of NT Certicae Hober	
2. Manufactured for	ctured for	GE Nuclear E	GE Nuclear Energy, 175 Curtner Avenue, San Jóse, CA 85125	175 Curtner Avenue, San , bune and eddress of Authanes	Jáse, CA 95125	•
3. Locator	3. Location of instillation		D E	Unknown		
4. Type:	4. Typa: N38017, Rev. F	\$A479 304SST	76 KSI		N/A	2002
ľ	thrawing no.1	gueri apec. no.j	Starmie strangth		(CRND	Dana bear
6: ASME	5: ASME Code, Section III, Division 1:		577		•	N/A
6. Fabricat	6. Fabricated in accordance with Const. Spec. (Div. 2 only)	onst. Spec. (Div. 2 only)	N/A Re	Revision	Date Date	(Code Case no.)
7. Remarks:		Inlet Fitting for explosive actuated valve replacement lit for standby Equid control system.	coment kit for sta	sdby Kould com	rol system.	

# Pressure Test at 2800 pai for 10 minutes.

Length eversil (ft & In.) 2.245	Nætjonal Board No. In Numerical Order							·																		
.816*	Pur cr Appurbnance Serial Number	(26)	(27)	(ZB)	(53)	(OE)	(31)	723	36	(35)	(36)	(37)	(38)	(62)	(40)	(41)	(42)	(43)	(44)	(45)	(48)	(47)	(48)	(49)	(60)	
8. Nom. thickness (in.)	National Board No. in Numerical Order	6337	6338	6339	6340	6341	6342	·																		
8. Nom. thickness (in.)	Part or Appurtanance Serial Number						6342																			
8. Nom 9. Whei		Ξ	8	6	€ (	ê :	<u> </u>	E	<u> </u>	<u> </u>	E	121	233	=======================================	(31)	191	3	18 18	(19)	202	2	22	(23)	(24)	(25)	

National Board No. In Numerical Order							•																			
Part or Appuranance Serial Number	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(62)	(40)	(41)	(42)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(60)	

<sup>\*</sup>Supplemental information in the form of Ects, skatches, or drawings may be used provided (1) size is 8% 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. er temp. 1500 10. Design pressure,

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#### FORM N-2 (Back - Pg. 2 of \_2\_)

	Certificate Holder's Serie	Nos63	37 8	brough	6342
	CERTIFICATION OF DESIG	N			
Design specifications certified by	George I. Skoda (triber application)	P.E. State	CA	_ Reg. no	15847
Design report* certified by	Francis J. Domino	P.E. State	NY	_ Reg. no	\$6832
	CERTIFICATE OF COMPLIAN	ICE		•	
We certify that the statements made in th	is report are correct and that this (these)	<b></b>	friet Fit	tings	
conforms to the rules of construction of t	he ASME Code, Section III, Division 1.				
NPT Certificate of Authorization No.	N-1850	Expires	Septe	mber 2, 2004	3
Date 4/23/02 Name	IST Conax Nuclear	Signed Ru	ul El	suchn	nan
	##T Certificate Holders	/	(authoriz	ad representatives	
	CERTIFICATE OF INSPECTI	МО			
I, the underzigned, holding a valid commission  New York and employed by	in Issued by the National Board of Boller and		ectors and ti	ha State of Pro	vince of
of Hartford, CT have inspect best of my knowledge and belief, the Cert Section III, Division 1. Each part listed has By signing this certificate, neither the inst described in this Data Report. Furthermos property damage or loss of any kind arisin	ted these items described in this Date Rep tificate Holder has fabricated these parts of a been authorized for stamping on the date pector nor his employer makes any warran re, neither the inspector nor his employers	ort on <u>pp</u> r appurtanences in shown above. ty, expressed or im	eccordance plied, conce	with the ASi. ming the equi	lE Code, pment
Date <u>5-1-02</u> Signed Oll	Samuelet comm	issions		AN NY BO	
I 7	(Authorized Impector)	Plac's Bd	i, final, endorser	ental and state or	grov. and ho.;



1. Owner		PPL SUSQUE	HANNA, LLC		Date	05	MAY-2003	
•	769 SAL	EM BLVD, BERWI	ск, РА 18603		Sheet	of	4	
2. Plant	Susc	UEHANNA STEAM		пом	Unit		Two	
	769 SAL	NAMI EM BLVD, BERWI					AGE 4 OF 4	
		Address PPL SUS	COUTHANNA III	c			n P.O. No., Job No., etc.	
s. work P	erformed by _	PPL 30	NAME		Type Code Syn	iboi Stamp	None	
	769 SAL	EM BLVD, BERWI	ск, PA 18603		Authorization N	o	N/A	
		Acciess			Expiration Date		N/A	
4. Identifi	cation of Syster	n	CONT	ROL ROD DRIV	E HYDRAULIC	25	5B-II	
5. (a) Ap	plicable Constru	uction Code		71 Edition	thru W72	Addenda,	No Co	ode Case
(p) Vt	plicable Edition	of Section XI Utilize	d for Repairs or Re	eplacements 19				
6. Identifi	cation of Compo	onents Repaired or F	Replaced and Repl	acement Compo	nents			
	ame of mponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VA	LVE GATE	HENRY VOGT	BFW	'N/A	247102-3059	1974	REPLACED	YES
2. VA	LVE GATE	EDWARD VOGT	WAS	N/A	247102-3059	1999	REPLACEMENT	YES
3. VA	LVE GATE	HENRY VOGT	BFW	N/A	247102-3459	1974	REPLACED	YES
4. VA	LVE GATE	EDWARD VOGT	WAS	N/A	247102-3459	1999	REPLACEMENT	YES
5. Pis	TON CUMULATOR	GE	2003	N/A	2S239-3403	1975	REPLACED	YES
	TON CUMULATOR	GE	8627	N/A	2S239-3403	2000	REPLACEMENT	YES
	TON CUMULATOR	GE	. 1957	N/A	2S239-3451	1975	REPLACED	YES
7. Descri	ption of Work			SEE	PAGE 40F 4			
	Conducted: I	-tydrostatic	Pneumatic	Nominal (	Operating Pressure	X	SEE PAGE 4	OF 4

9. Remarks Manufacturer's Data Sheets Attached.
Apolicable Manufacturer's Data Reports to be attached
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the
ASME Code, Section XI.  Conforms to the rules of the
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration N/A
Signed She Low Date M47 29 .20 03
CERTIFICATION OF INSERVICE INSPECTION
1 A Salar and the Chair and the Chair and Decad of Dellac and Decad of Dellac and the Chair and the Chair
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
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.
Use National Board, State, Province, and Endorsements
Date MAY 30 20 0 3

1. Owner		PPL SUSQUE			Date	05	-May-2003	<del>,</del>
	769 SAL	EM BLVD, BERW	<u>-</u>		Sheet	2 of	4	
2. Plant	Susc	QUEHANNA STEAM		ПОМ	Unit		Two	
	769 SAL	NAME EM BLVD, BERW	-			SEE P	AGE 4 OF 4	
		Address		****	Rep	sair Organizatio	n P.O. No., Job No., etc.	
3. Work Per	formed by	PPL Su	SQUEHANNA, LL	<u>c</u>	Type Code Syn	nbol Stamp	NONE	
	769 SAL	EM BLVD, BERW	іск, РА 18603		Authorization N	o	N/A	
		AUUUSS			Expiration Date		N/A	
4. Identifica	ation of Syster	m	CONT	ROL ROD DRIV	/E HYDRAULIC	25	5B-II	
5. (a) Appl	licable Constr	uction Code	<u>    </u> 19	71 Edition	, thru W72	Addenda	No C	ode Case
(b) App	licable Edition	of Section XI Utilize	ed for Repairs or Re	eplacements 19	_89			
6. Identifica	ation of Comp	onents Repaired or I	Replaced and Repl	acement Compo	nents			
_*	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. PISTO	ON UMULATOR	GE	8628	N/A	2S239-3451	2000	REPLACEMENT	YES
9. PISTO		GE	1935	N/A	2S239-1023	1975	REPLACED	YES
10. PISTO		GE	8630	N/A	2S239-1023	2000	REPLACEMENT	YES
11. VAL		HENRY VOGT	BFW	N/A	247112-2607	1975	REPLACED	YES
12. VAL	VE GATE	EDWARD VOGT	PRW	N/A	247112-2607	2001	REPLACEMENT	YES
13. VAL	VE GATE	HENRY VOGT	BFW	N/A	247112-2635	1975	REPLACED	YES
14. VALV	VE GATE	EDWARD VOGT	PRW	N/A	247112-2635	2001	REPLACEMENT	YES
15. VALV	VE GATE	HENRY VOGT	BFW	N/A	247112-4215	1975	REPLACED	YES
16. VALV	VE GATE	EDWARD VOGT	PRW	N/A	247112-4215	2001	REPLACEMENT	YES
17. VALV	VE GATE	HENRY VOGT	BFW	N/A	247112-4607	1975	REPLACED	YES
18 VALV	VE GATE	FDWARD	PRW	N/A	247112-4607	2001	REPLACEMENT	YES

Vogt

1. Owner		PPL SUSQUE	•		Date	05	-MAY-2003	
	769 SAL	EM BLVD, BERW	·· <del>·</del>		Sheet3	3 of	4	
2. Plant	Susc	QUEHANNA STEAM		TION	Unit		Two	
<u></u>	769 SAL	EM BLVD, BERW	_	<del></del>			AGE 4 OF 4	
3. Work Perfo	ormed by	Address PPL SUS	SQUEHANNA, LL	<u>c</u>	Type Code Sym		n P.O. No., Job No., etc. NONE	<u> </u>
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization No	o	N/A	
		70000			Expiration Date	<del> </del>	N/A	
4. Identificati	ion of Syster	n	CONT	ROL ROD DRIV	/E HYDRAULIC	25	5B-II	
(b) Applic	cable Edition	uction Code of Section XI Utilize onents Repaired or I	d for Repairs or Re	eplacements 19	89	Addenda	No C	ode Case
Nam Comp	e of onent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yeari Built∴	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. VALVI	E GATE	HENRY VOGT	BFW	N/A	247112-5435	1975	REPLACED	YES
20. VALVI	E GATE	EDWARD VOGT	PRW	N/A	247112-5435	2001	REPLACEMENT	YES
21. VALVI	E GATE	HENRY VOGT	BFW	N/A	247112-5819	1975	REPLACED	YES
22. VALVI	E GATE	EDWARD VOGT	PRW	N/A	247112-5819	2001	REPLACEMENT	YES
23. VALVI	E GATE	HENRY VOGT	BFW	N/A	247112-1035	1975	REPLACED	YES
24. VALVI	E GATE	EDWARD VOGT	PRW	N/A	247112-1035	2001	REPLACEMENT	YES
25. VALVI	E GATE	HENRY VOGT	BFW	N/A	247112-1839	1974	REPLACED	YES
26. VALVI	E GATE	EDWARD VOGT	PRW	N/A	247112-1839	2001	REPLACEMENT	YES
27. VALVI	E GATE	HENRY VOGT	BFW	N/A	247112-2259	1975	REPLACED	YES
28. VALVI	E GATE	EDWARD VOGT	PRW	N/A	247112-2259	2001	REPLACEMENT	YES
29. VALVI	E GATE	HENRY VOGT	AAAA	N/A	247101-2607	1975	REPLACED	YES
20 MAIN	CATE	HENDY VOCT	A A A A	NI/A	247101-2607	1077	DEDI ACEMENT	VEC

1. Owner		PPL Su	SQUEHANN	IA, LLC	•	Dat	05-MAY-	2003	
	769 SALEM	BLVD, E		PA 18603		Sheet		4	
2. Plant	Susqu			ECTRIC STATIC	ON	Unit	Two	)	
	769 SALEM BLVD, BERWICK, PA 18603				SEE BELOW Repair Organization P.O. No., Job No., etc.				
3. Work Pe	rformed by			HANNA, LLC		Type Code Symb	•	None	
	769 SALEM	BLVD, E	BERWICK,			Authorization		N/A	
		ADDRE	<b>33</b>			Expiration Date		N/A	
4. Identifica	ation of System			Contro	L ROD DRIVE	HYDRAULIC	255B-II		
	licable Constructi blicable Edition of			71 Edition,		Addenda,I 89	No (	Code Case	
6. Identific	ation of Compone	ents Repair	ed or Repla	ced and Replace	ment Compone	ents	State of	L - 10.	

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / 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			N/A	N/A
5 & 6	02-255-008 430594	REPLACE HCU PISTON ACCUMULATOR	Section VIII 1974 Ed S74 Ad 1998 Ed 99 Ad	1 S74 Ad		N/A	N/A
7 & 8	02-255-009 431414	REPLACE HCU PISTON ACCUMULATOR	Section VIII NONE NONE 1974 Ed S74 Ad 1998 Ed 99 Ad		NONE	N/A	N/A
9 & 10	02-255-010 430057	REPLACE HCU PISTON ACCUMULATOR	Section VIII NONE NONE 1974 Ed S74 Ad 1998 Ed 99 Ad		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			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

### FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES\* (As Required by the Provisions of the ASME Code, Section III, Div. 1)

=				) C -	C 1 1	-	<del></del>	
1. Manuf		IN a ma and Ad	dress of Man	ufacturer)	Louisvill Imington	W C		·
2. Manuf	actured forG			thaser or Owner)	Twington,	, n.C.	····	
3. Locatio	on of Installation							
4. Pump	or ValveG	atu vato	(diam)	Nominal le	nlet Size	Ou	tlet Size	•
	a) Model No.	(b) Manufact	urers'	(c) Canadian	•	inch)		
•	Series No.	Serial		Registration	(d) Drawing		(f) Nat'L	(g) Year
	or Type ·	· No.		No.	No.	(e) Class	B4. No.	Built
	ate	723-21460			B-1603	1		1977
(1) (3)		thru					<del></del>	
(4)		747-2146( 88 Attacl			<u> </u>	•		
(5)		A NCERCI	70,					
(6)		<del> </del>	<del></del>					
(7) (8)							····	·
(9)								
(10)	<del></del>			<del></del>				
_	iydraulic	Control	Modul	•				
5		(Brie	f description	of service for whi	ch equipment was o	(bengised)	<del></del>	
		2000	/	150	<u> </u>	<del>- , </del>		
i. Design	Conditions		psi	(Temperature)	°F or Valve F	ressure Class .		(1)
7. Cold Vi	Vorking Pressure	(Pres326)00	psi at 10		-	•	•	
B. Pressu	ire Retaining Pie	ces						
<del>نجسی</del> پ	Mark No.		Material Sp	ec. No.	Manufac	turer	Remai	rics
(a) Cas	tings		<del>,</del>	······································				
107 ===								
					·			<del></del>
-		<del></del>						
_	<u> </u>		<del></del>	•		<u> </u>	7-6	MF
		<del></del>	<del></del> -	·				), 111. L
	minee							de flem
401 B	90100		<del>182-73</del>	· ·	- Stock			
	AG	DA-	F44-12	A	Vogt			
The	onnets						•	<del></del>
	AR		182-73		Vogt			
	NO	SA-	182-73	16	Vogt		, /	<b>^</b>
•								100

<sup>(1)</sup> For manually operated valves only.

<sup>\*</sup> 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.

	FURIA INV-1 (	58 CK)	· · · · · · · · · · · · · · · · · · ·
Mark No.	Material Spec. No.	Manufacturer	Remarks
e) Borting			
(Cap Screws)			
B <b>7</b>	SA 193-B7.	Texas Bolt	
	· <del> </del>		
(d) Other Parts			
(Gates)			
	SA 479 T-410	Voct	·
	(Chemistry Only)	•	
	<del> </del>		
<del></del>	<del> </del>	<del></del>	
		•	
		****	
	<u></u>		
lydrostatic test300	0 psi.		
ur ASME Certificate of Auth	oorization No to use	thesymbol	(Date) 1/6/78
	CERTIFICATION OF	DESIGN	
esign information on file at	Henry Von	t Machine Co.	
rsign mitornation on the el ress analysis report (Class	Hanry Von	t Machine Co.	
esign specifications certifie	d by (1):. Vernon Pe	nce	
State	Neg. No.	rv	ļ
ress analysis certified by (	Reg. No		
	•		. ]
Signature not required. L	ist name only.		
	CERTIFICATE OF SHOP	Inspection	i
the undersigned, holding	a valid Lommission issued by the Nati Kentucky	io≂r- ਰੰਪard of Boiler and Pre	saure Vessel Inspectors
to egginor not seed at the	veucrak	nd employed by Commerc	ial Union Ins
August 10;	, ,	pump, or valve, described i	· · · · · · · · · · · · · · · · · · ·
		of my knowledge and belief, th	e Manufacturer has con-
owan mis pump, or valve,	in accordance with the ASME Code. Se	cuon III.	ļ.
	either the inspector nor his employer m		
	: " Jata Regort, Furthermore, neither	• •	· 1
enner it r and pers. nat ::: August /	th or property damage or a loss of any 2 77	und arising from or connecte	a with this inspection.
to f	· yy fr	Kentucky #1	Į
11/10	Commission	(Nat'l Bd . State. Prov	and No.1

4

#### For Information Only

### FORM N-2 MANUFACTURERES DATA REPORT FOR NUCLEAR PARTS AND APPERTENCANCES\* As Required by the Provisions of the ASME Code Rules

Sheet 1 of 1

	·										
1.	(a) Manufactured by Edward Vogt Valve Co., 5171 Maritime Rd., Jeffersonville, IN 47130										
	(b) Manufactured for GE Nuclear Energy - San Jose, CA										
2.	(Name and Address of manufacturer of completed nuclear component)  Idendification-Manufacturer's Serial No. of Part 11521 Nat'l Ed. No.										
<b>4.</b> .	Mati Ed. 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 appurtenance Manufacturer 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 9/24/01 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)										
De	sign information on file at NA										
Str	ess analysis report (Class 1 only) on file at										
De	sign specifications certified by (1)										
Str	ess Analysis report certified by										
<u> </u>	CERTIFICATE OF SHOP INSPECTION										
insi the By Ma dan Dat	VM/202/111										
Sig	( Repector) Commissions /N 747 (Nam 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.

1. Owner	PPL SUSQUE	HANNA, LLC		Date	08	MAY-2003	
769	SALEM BLVD, BERW	···		Sheet	1 of	2	
2. Plant	Address SUSQUEHANNA STEAM	ELECTRIC STAT	TON	Unit	-	Two	
	NAM 9 SALEM BLVD, BERW	É			SEE P	AGE 2 OF 2	
	Address	10K, 174 10000	····	Rep		n P.O. No., Job No., etc.	<del></del>
3. Work Performed	by PPL SU	SQUEHANNA, LLI	<u> </u>	Type Code Syn	nbol Stamp	None	
769	SALEM BLVD, BERW Address	ICK, PA 18603		Authorization N	lo	N/A	
			1	Expiration Date		N/A	
4. Identification of	System	PRIMARY CONTA	INTMENT PRE	SSURF VESSEL	SYSTEM	259A-MC	
5. (a) Applicable (b) Applicable I	Construction Code Edition of Section XI Utilize Components Repaired or	III 19 _ed for Repairs or Re	71 Edition placements 19	thru S'72 Adde	1493 nd <u>1567</u>	1522 1563 1571 Cod	le Case ADDENDA
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	CBI	N/A	N/A	X-1	1975	REPLACED	No
4. HEAVY HEX	1	HT: 8JE	N/A	X-1	1993	REPLACEMENT	No
					•		
7. Description of V	Vork		SEE	PAGE 20F 2			
8. Tests Conducte		Pneumatic [	البي	Operating Pressure	X •	SEE PAGE 2 (	OF 2

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)

Remarks	None					
		Apolicable Ma	anufacturer's Data Recor	ts to be attached		
			42		<del>-</del>	
. <u>.</u>						
		CERTIFICA	TION OF COM	PLIANCE		·
We	certify that the statements	made in the report are	correct and this	REPLACEMENT	_ conforms to th	e rules of the
ASME Cod	le, Section XI.			repair or replacement		
Type Co	ode Symbol Stamp			N/A		
.,,,,				IVA		
Certificat	e of Authorization No.	N/A	Expiratio		N/A	
Signed	Owner or Owner's Des	signee, Title Welding End	Date	Jude	<u>/7</u> .:	20 03
			<u> </u>	<del></del>		
		CERTIFICATION	OF INSERVIC	E INSPECTION	N	
l the unde	rsigned, holding a valid c	ammission issued by th	e National Board c	of Roiler and Pressu	: : :re Vessel Inspec	tors and the State
or Province	of PENNSYLVANIA			RY MUTUAL INSU		of
n this Own	er's Report during the pe			10 3-18	-03	, and state that
	of my knowledge and bei eport in accordance with t				tive measures de	scribed in this
By sign	ing this certificate neither	the Inspector nor his er	mployer makes any	y warranty, express		
examinatio	ns and corrective measur	res described in this Ov / personal injury or prop				
		beisonal injury of brob	reity dainage or a i	USS OF ALTY KING ALIS		acted with file
shall be lia						
shall be lia inspection.		a TIT	Commissions All	2 79 80 A N	TRUS	PA 2201
shall be lia inspection.		2 <u>7</u> 07	Commissions N	3 7980 A.N. lational Board, Stat	I, B, NS te, Province, and	PA ZZO 4 Endorsements
shall be lia inspection.	Inspector's Signatur	<i>2</i>	Commissions N	3 7980 A.N. lational Board, Stat	T.B.HS e, Province, and	PA 2204 Endorsements

1. Owner	PPL SUSQUEHANNA, LLC			Dat		08-May-2	003	
	769 SALE	MBLVD, BERWICK, PA 18603		Sheet	١.	of	2	
2. Plant	Susqu	Address JEHANNA STEAM ELECTRIC STATION NAME	<u> </u>	Unit		Two		
	769 SALE	M BLVD, BERWICK, PA 18603	···			SEE BELOW		
3. Work Perf	ormed by	Address PPL SUSQUEHANNA, LLC		Туре	Repail Code Symb	r Organization P.O. No., of Stamp	JOD NO., etc. <u>No</u>	ne
	769 SALE	NAME M BLVD, BERWICK, PA 18603	<del></del>	Autho	rization		N/A	
		ADDRESS		Expira	ation Date		N/A	
4. Identifica	tion of System	PRIMARY CONTAINT	MENT PRES	SURE			9A-MC	
		tion Code <u>III</u> 19 <u>71</u> Edition, f Section XI Utilized for Repairs or Replace			enda, <u>1</u>	493 1522 1563 567 1571 ON IWE & IWL 199	Code 2 ED 1992 A	
6. Identifica	tion of Compon	ents Repaired or Replaced and Replacem	ent Compone	ents				
ITEM No	CRF /	DESCRIPTION OF WORK	YEAR ADDEN		CODE	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 S 1989 Ed N		None	SE-259-001	47.1 PSIG	N/A
								ļ
			<del>                                     </del>				<del>                                     </del>	<del>                                     </del>

1. Owner		PPL SUSQUE			Date	12	MAY-2003	
•	769 SAL	EM BLVD, BERWI	ск, РА 18603	<u> </u>	Sheet	1 of	2	
2. Plant	Susc	QUEHANNA STEAM		TON	Unit		Two	
	769 SAL	NAME EM BLVD, BERWI					AGE 2 OF 2	
3. Work Pe	rformed by	Address PPL SUS		<u>C</u>	Re Type Code Syl		on P.O. No., Job No., etc. NONE	
	769 SAL	EM BLVD, BERWI	NAME CK, PA 18603		Authorization N	No	N/A	
		Address			Expiration Date	•	N/A	_
4. Identific	ation of Syster	n	REACT	OR WATER C	LEANUP SYSTEM	n 26	1B-III	
5. (a) App	licable Constr	uction Code	<b>iii</b> 19			_ Addenda,	No Co	ode Case
6. Identific	ation of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			
	ime of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. PUM	IP .	HAYWARD TYLER	U12H91824	N/A	2P221B	1992	REPLACED	No
2. PUM	IP	HAYWARD TYLER	U12H91822	N/A	2P221B	1992	REPLACEMENT	No
3. Pum	P	HAYWARD TYLER	U12H91820	N/A	2P221A	1992	REPLACED	No
4. PUM	IP	HAYWARD TYLER	U12H91821	N/A	2P221A	1992	REPLACEMENT	No
7. Descrip	etion of Work			SEE	PAGE 2 OF 2		• <del>                                     </del>	
8. Tests C		Hydrostatic Pres	Pneumatic sure	_	Operating Pressurest Temp.	e X	SEE PAGE 2 (	OF 2
NOT		ntal sheets in form (				d (1) eize ic	814 in v 11 in (2)	informa-

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)

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 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 Steeland Date June 4, 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
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.
(U) Illiam 17. Teores Commissions NB 7980 A, N, I B, NS PA2204 Inspector's Signature Commissions NB 7980 A, N, I B, NS PA2204  National Board, State, Province, and Endorsements
Date JUNE 9 20 0 2

1. Owner	F	PL SUSQUEHANN	IA, LLC	<del></del>	Dat 12-MAY-2003					
	769 SALEM E	NAME BLVD, BERWICK, I	PA 18603		Sheet	2	of	2		
2. Plant	SUSQUE	Address HANNA STEAM ELE	ECTRIC STATION	<u> </u>	Unit	Two				
	769 SALEM E	BLVD, BERWICK, I	PA 18603		F		SEE BELOW	Job No., etc.		
3. Work Pe	formed by	PPL SUSQUE		<del></del>	Type Code S	•		None		
•	769 SALEM E	BLVD, BERWICK, I	PA 18603	<del></del>	Authorization			N/A		
		7.001.200			Expiration Da	te		N/A		
4. Identific	ation of System		REACTOR	WATER CLE	ANUP SYSTE	M 2	261B-III			
		n Code <u>III</u> 19 ection XI Utilized for I			Addenda,	No	(	Code Case		
6. Identific	ation of Component	s Repaired or Replac	ced and Replacem	nent Compone	nts					
	T T			T		_ 1		T		

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING PRES		SURE ST
					• .	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

1. Owner		PPL SUSQUE		Date	09	May-2003		
	769 SAL	EM BLVD, BERWI	. <del>-</del>	<del></del>	Sheet1	of	4	· .
2. Plant	Susc	QUEHANNA STEAM		ON	Unit		Two	
	760 641	EM BLVD, BERWI	-			See P	AGE 4 OF 4	
	709 SAL	Address	CK, FA 10003		Repa		n P.O. No., Job No., etc.	
3. Work Pe	erformed by	PPL Sus	SQUEHANNA, LLO	<u> </u>	Type Code Sym			· · · · · · · · · · · · · · · · · · ·
	769 SAL	EM BLVD, BERWI	ск, РА 18603	·	Authorization No	)	N/A	
					Expiration Date		N/A	
4. Identific	cation of System	n	REACTOR WAT	ER CLEANUP	FILTER/DEMINER	ALIZER	261A-III	
(b) App	plicable Edition	uction Code of Section XI Utilize onents Repaired or F	d for Repairs or Re	placements 19	89	Addenda,	No C	ode Case
			<del></del>			1		
	ame of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or • Replacement	ASME Code Stamped (Yes or No)
1. BAL	L VALVE	HILLS MCCANNA	110-773	N/A	245044A	N/A	REPLACED	No
2. BAL	L VALVE	BNL	A011001-1-1	N/A	245044A	2001	REPLACEMENT	YES
3. BAL	L VALVE	HILLS MCCANNA	113-773	N/A	245045A	N/A	REPLACED	No
4. BAL	L VALVE	BNL	A011001-1-2	N/A	245045A	2001	REPLACEMENT	YES
1	ALL PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPEBC203-11	1983	REPLACED	YES
	ALL PIPE ASSEMBLY	PPL	N/A	N/A	SPEBC203-11	2002	REPLACEMENT	No
7. BAL	L VALVE	HILLS MCCANNA	102-773	· N/A	245044B	N/A	REPLACED	No
7. Descrip	otion of Work			SEE	E PAGE 40F 4			
8. Tests C		Hydrostatic	Pneumatic sure		Operating Pressure est Temp.	<u>X</u> 	SEE PAGE 4	<b>DF 4</b>

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)

Remarks Manufacturer's Data Sheets Attached.	
Applicable Manufacturer's	Data Recorts to be attached
	•
CERTIFICATION O	F COMPLIANCE
We certify that the statements made in the report are correct a	
SME Code, Section XI.	REPLACEMENT repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	Expiration N/A
Signed Signed	Date June 16,20 03
Oyner or Owner's Designes, Title Welding Engineer	
CERTIFICATION OF INS	ERVICE INSPECTION
the undersigned, holding a valid commission issued by the Nationa	Board of Boiler and Pressure Vessel Inspectors and the State
	FACTORY MUTUAL INSURANCE CO. of have inspected the components described
this Owner's Report during the period 11-15-01	to 11 - 23 - 02 and state that
the best of my knowledge and belief, the Owner has performed ex	
wner's Report in accordance with the requirements of the ASME Co By signing this certificate neither the Inspector nor his employer m	xde, Section XI.
caminations and corrective measures described in this Owner's Rep	out Furthermore neither the Inspector nor his employer
nall be liable in any manner for any personal injury or property dama	age or a loss of any kind arising from or connected with this
spection.	
Della Tomore	sions NB7980 ANI, BNS PAZZOY
Inspector's Signature	National Board, State, Province, and Endorsements
Commiss  Inspector's Fignature  Pate TUNE 18 2003	
<del></del>	

1. Owner		PPL Susque			Date	09	-May-2003	
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Sheet	2 of	4	
2. Plant	Susc	AOOTESS QUEHANNA STEAN	MELECTRIC STAT	ПОМ	Unit		Two	
		NAM					<u> </u>	
	769 SAL	EM BLVD, BERW	ICK, PA 18603				AGE 4 OF 4 on P.O. No., Job No., etc.	
0 14/ad. Da	-e		SQUEHANNA, LLO	<b>C</b>				
3. Work Per	поппеа ву	PPL 30.	NAME	<u> </u>	Type Code S	утооі Зіатр	None	<del></del>
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization	No	N/A	
		Address		<del> </del>	Expiration Da		NICA	
					•		N/A	<u></u>
	ation of Syster		REACTOR WAT		<u> </u>	RALIZER		
		uction Code of Section XI Utilize				_ Addenda	No Co	ode Case
			·					
6. Identifica	ation of Comp	onents Repaired or I	Replaced and Repla	acement Compo	onents			
				National			Repaired,	ASME Code
	me of	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	Stamped (Yes or
								No)
8. BALI	L VALVE	BNL	A011001-1-3	N/A	245044B	2001	REPLACEMENT	YES
9. BALI	L VALVE	HILLS MCCANNA	114-773	N/A	245045B	N/A	REPLACED	No
10. BALI	LVALVE	BNL	A011001-1-4	N/A	245045B	2001	REPLACEMENT	YES
11. SMAI	LL PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPEBC203-1	1 1983	REPLACED	YES
12. SMA		PPL	N/A	N/A	SPEBC203-1	1 2002	REPLACEMENT	No
13. BALI		HILLS McCanna	172-673	N/A	HV24507B	N/A	REPLACED	No
14. BALI	L VALVE	HILLS MCCANNA	220-380	N/A	HV24507B	1981	REPLACEMENT	YES
15. SMAI SUBA	LL PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPHBC203-	1983	REPLACED	YES
16. SMA		PPL	N/A	N/A	SPHBC203-	3 2002	REPLACEMENT	No
17. VAL		VALTEK	6607-5-2	N/A	FV24566A	N/A	REPLACED	No
18. VAL	VE	VALTEK	6607-5-2	N/A	FV24566A	N/A	REPLACEMENT	No

1. Owner		PPL SUSQUE	HANNA, LLC		Date	09	-May-2003	
	769 SAL	EM BLVD, BERW			Sheet	of	4	
2. Plant _	Susc	QUEHANNA STEAN		TION	Unit		Two	
	769 SAL	EM BLVD, BERW	иск, PA 18603	<del></del>			AGE 4 OF 4 on P.O. No., Job No., etc.	
3. Work Perf	ormed by	PPL Su	SQUEHANNA, LL	<u> </u>	Type Code \$	Symbol Stamp	NONE	
	769 SAL	EM BLVD, BERW			Authorization	n No	N/A	
		Pilla 600			Expiration D	ate	N/A	
4. Identificat	tion of Syster	m	REACTOR WAT	ER CLEANUP	FILTER/DEMIN	ERALIZER	261A-III	
(b) Appli	cable Edition	uction Code of Section XI Utilize onents Repaired or	ed for Repairs or Re	eplacements 19	89	Addenda	, <u>No</u> C	ode Case
	ne of ∵ ponent ≀	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	HV244F03	3 1975	REPLACED	YES
20. PLUG		ANCHOR DARLING	S2687-4	N/A	HV244F03	3 1992	REPLACEMENT	No
21. VESSE FLANC		PROCESS EQUIPMENT	5695-T2	835	2F203B	1974	REPAIRED	YES
		<del></del> -	<del> </del>					

1. Owner	Owner PPL SUSQUEHANNA, LLC NAME 769 SALEM BLVD, BERWICK, PA 18603					Date		05-MAY	·-2003		
	769 SALE		BERWIC	K, PA	18603		Sheet	_4	of _	4	
2. Plant	Name					1	Unit		Tw	0	
	769 SALEM BLVD, BERWICK, PA 18603 Address					<del>,</del>	SEE BELOW  Repair Organization P.O. No., Job No., etc.				
3. Work Per	formed by	F	PL Susc	QUEHAI NAME	NNA, LLC		Type Code Syn	•		None	
	769 SALE			к, РА	18603		Authorization			N/A	
		ADO	DRESS				Expiration Date	·		N/A	
4. Identifica	ation of System			REACT	OR WATER	CLEANUP FI	LTER/DEMINER	RALIZER		261A-III	
	licable Constru				_		_ Addenda, _ 89	No	<u>:</u>	Code Case	
6. Identifica	ation of Compo	nents Rep	aired or Re	eplaced	and Replacen	nent Compone	ents	٠.	:		

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR /	CODE	TESTING	PRES TE	
	PCWO		ADDENDA	CASES		PRESS	TEMP
1, 2, 3, & 4	.01-261-002	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

### 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

Pg. 1 of .

Manufactured for ;     Location of installs	SUSQUERU	INNA, 5 MI NE	me and address of S OF BERWICK, Insure and ad IBV-A2-10-0	PA, 18603	
4. Model No., Series	No., or Type	Drawin		Rev	CRN
S. ASME Code, Section .	ion III, Division 1: VALVE	1974 /	teddenda datel 1 <sup>er</sup>	3 Iclessi 1	(Code Case no.)
7. Material: Body	SA-105	Nominal Inlet size  Bonnet SA-105	66.3	Outlet siza	In.) SA-193GrB7/SA-194Gr
iel Cert. Holder's Seriel No. A311001-1-(1TH	(b) Nat'l Board No.	Ba		td) Bornet Serial No. R184	tel Disk Sorie! No. N218

\*Supplemental information in form of lists, sketches, or drawings may be used gravided (1) size in &K × 11, (2) information in items § through 4 on this Data Report is included on each sheet, (2) each sheet is numbered and the number of sheets is recorded at the tap of this form.

[12/68]

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Febrield, NJ 67007-2200.

### FORM NPV-1 (Back — Pg. 2 of \_\_\_\_)

	Cartificate Moider's	A011001-1-(1TH
B. Design conditionspsipsi	of or Valve pressure	ANSI 6004
[pressure]	•	
2250 Hydrostetic testpsi, Disk differential test pro	1650	pai
. Remarks:		
CERTIFICATION OF	DESIGN	· · · · · · · · · · · · · · · · · · ·
D.M. GROVES	PA	24926-E
lesign Specification certified by	P.E. State P.E. State	Reg. no
/e certify that the statements made in this report are correct and the f the ASME Code, Section III, Division 1. $_{ m N-2882}$	-	ns to the rules for construction
Certificate of Authorization No.	Expires .	11.
late 12/12/01 Name BNL INDUSTRIES, INC.	Signed	crired expresentative)
*EXTENDED TO 12/30/01.		
CERTIFICATE OF IN	SPECTION	
the understaned, holding a valid commission issued by the Nati	onal Board at Boller and P. CONNE	ressure Vessel Inspectors and RCIAL UNION INS.
ha State or Province ofMASS .	and combact and all amounts	
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BOSTON, WASS have hap 12/12/01 and state that so the best of a structed this pump, or valve, in accordance with the ASME Code, So the algoring this certificate, neither the inspector nor his employer w	my knowledge and belief, a action III, Division 1. makes any warranty, expres	he Certificate Holder has con-
of BOSTON, MASS have insp	my knowledge and belief, a action III, Division 1. Takes any warranty, expres aspector nor his employer s	he Certificate Holder has con- sed or implied, concerning the hall be liable in any manner for

(1) For manually operated valves only.

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		·	34 . 45 Lt. (max)	\$\`\n'-\dd	
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	_ 221-380	;•/*	. CZY4:2475		1981
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Mark No.  Contings  Ody 229-027  Dans 229-029  Ody 229-021  Contings 229-062  Ody 229-063	Material 8  10 pd d  1410 pd d  Material 8  8 84216 Gr. 14 84216 Gr. 15 84216 Gr.	150 Times many tory lose, No.	Wavefecturer of Fig. Industries Fil. Industries Lebence Steel Pil. Industries Fil. Industries Fil. Industries	600 BW 1079-5 51 9-71 SW 476-452 SW 1079-62	BE. WJS4 BE. WJS4 BE. WJ76 BE. 8462 BE. WJ74
Mark No.  Contings  Ody 229-02,  Constant 229-06,  Contings 229-02,  Constant 229-06,  Contings 229-02,  Contings 229-02	Material 8  10 pd -  1410 pd id  Material 8  8 \$216 Gr. 14 \$4216 Gr. 14 \$4216 Gr. 14 \$4216 Gr.	150 Times ment tory lose, No.	Manufacturer of FPI Industries FPI Industries FPI Industries Lebence Steel PRI Industries Lebence Steel	600  BH 1079-5  SH 476-452  SH 476-12	Bt. WJ54 Bt. WJ54 Bt. WJ76 Bt. 8462 Bt. WJ74 Et. 7199
Mark No.  Contings  Ody 229-023  Man 229-062  Ody 229-023  Ody 229-023  Ody 229-023  Ody 229-023  Ody 229-023	Material 8  10 pd a  1410 pd at  Material 8  8 \$216 Gr. 14 \$4216 Gr. 14 \$4216 Gr. 14 \$4216 Gr. 15 \$4216 Gr.	150 (functional to other to o	Manufacturer of Table Property of State of Table Property of State of Table	8# 1079-5 5* 9-71 8# 476-452 6# 1079-62 8# 476-12 8# 1079-73	Bt. WJ54 Bt. WJ54 Bt. WJ76 Bt. 8462 Bt. WJ74 Et. 7199 Bt. WJ75
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Mark No.  Contings  Ody 229-023	Material 9  1410 pri d  Material 9  4 SA216 Gr. 14 SA216 Gr. 14 SA216 Gr. 14 SA216 Gr. 14 SA216 Gr. 15 SA216 Gr.	150 Timple survi 1007 Timple s	Tor Valve Pressure Co	BH 1079-5 SH 476-432 SH 476-432 SH 476-432 SH 476-12 SH 476-64 SH 1079-63	Ht. WJ54 Ht. WJ54 Ht. WJ76 Ht. WJ74 Ht. 7199 Ht. WJ73 Ht. WJ73
Mark No.  Contings  Ody 229-021  connet 229-062  cody 229-021  connet 229-063  cody 229-021  connet 229-063  cody 229-021  connet 229-063  cody 229-021  connet 229-063  cody 229-021	Material 9  1410 pri d  Material 9  8 84216 Gr. 14 84216 Gr. 14 84216 Gr. 14 84216 Gr. 14 84216 Gr. 15 84216 Gr. 16 84216 Gr. 17 84216 Gr. 18 84216 Gr. 18 84216 Gr.	Timporamie toory lose, No.	Manufacturer of Figure 1 Andrews 1 A	600    September	Ht. WJ54 Ht. WJ54 Ht. WJ76 Ht. WJ74 Ht. T199 Ht. T190 Ht. T190 Ht. T190 Ht. T190
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"Supplemental sheets in form of lists, statches or drawings may be used provided (1) size to 8-10" to 13", (2) information to 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.

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This form (E00037) may be obtained from the Organ Dept., ASME, 348 E. 47 St., Nam York, N.Y. 10017



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onstruction of the As deends	ic Canna (canna )  Authorized  Authorized  Class 1 only  Certified by (canna )  Reg	cr Nuclear Power Plant Comp. Code Case No	ponents. Section III. Div. L. Ed Date 10 = E by Shome 1   Div. E. Ed Dig (MPV)   Symbol OF DESIGN.	Tellant
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gned B1119 P gned	income in the state of the stat	cr Nuclear Power Plant Comp. Code Case No	OP INSPECTION  National Board of Boiler and and employed by EATINGS.	Pressure Vesset leng
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prestruction of the AS defends	icCanna (  Authorized  Authorized  Authorized  Class 7 only  certified by (  Reg  olding a vali  nee of  re 11157  - 29 11	CERTIFICATE OF SH  CERTIFICATE O	OP INSPECTION  National Board of Boiler and and employed by Lumbers the pump, or valva, describe test of any knowledge and better a Section III.	Pressure Vessel Inspense Huttual Code in this Data Report the Manufacturar has used or implied, conceiver shall be Habis
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1. Owr	ner	PPL SUSQUE	<del></del>	Date	02-	JUNE-2003		
	769 SAI	EM BLVD, BERWI	<del>-</del>		Sheet1	of	25	
2. Plar	nt Sus	QUEHANNA STEAM		TON	Unit		Two	
	769 SAI	EM BLVD, BERWI	ск, PA 18603		S		S 21 THRU 25	
		Ç	OUTHANNA III	^	·	•	n P.O. No., Job No., etc.	•
3. Woi	k Performed by	PPL Sus	NAME	<u> </u>	Type Code Sym	boi Stamp	NONE	
	769 SAI	EM BLVD, BERWI	ск, PA 18603		Authorization No	o	N/A	
		Address			Expiration Date		N/A	
4. Ide	ntification of Syste	m		REACTOR V	ESSEL 26	32A-I		
5. (a)	) Applicable Constr	ruction Code	<u>                                     </u>	71 Edition	thru W72	Addenda,	No C	ode Case
(b	) Applicable Edition	n of Section XI Utilize	d for Repairs or Re	placements 19	89			•
6. Ide	ntification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			
	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)
							:	1.0,
	CONTROL ROD DRIVE	GE	6440	N/A	2CRD46-07	1981	REPLACED	YES
	CONTROL ROD DRIVE	GE	A4650	N/A	2CRD46-07	1981	REPLACEMENT	YES
	CONTROL ROD DRIVE BOLTS	GE	N/A	N/A	2CRD46-07	N/A	REPLACED	No
	CONTROL ROD DRIVE BOLTS	GE	HT: TT010J	N/A	2CRD46-07	2003	REPLACEMENT	No
	Control Rod Drive	GÉ	7895	N/A	2CRD42-59	1978	REPLACED	YES
	Control Rod Drive	GE	A5222	N/A	2CRD42-59 :	1981	REPLACEMENT	YES
	CONTROL ROD DRIVE BOLTS	GE	CD5N842	N/A	2CRD42-59	1981	REPLACED	No
7. De	scription of Work			SEE P/	AGES 21 THRU 25		•	
8. Te	sts Conducted:	Hydrostatic D	Pneumatic sure		Operating Pressure st Temp.	X *F	SEE PAGES 21 1	'HRU <b>2</b> 5
•	NOTE: Suppleme	ntal sheets in form o	f lists, sketches, o t is included on e	or drawings may ach sheet, and	be used, provided (3) each sheet is n	(1) size is umbered	8½ in. x 11 in., (2 and the number of	) informa- sheets is

This form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N. Y. 10017

recorded at the top of this form.

#### FORM NIS-2 (Back)

			Apolicable M	tanufacturer's Data Reco	rts to be attached		
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						<del></del>	<del></del>
			CERTIFIC/	ATION OF CO	MPLIANCE		
We c	ertify that the statem	rents made i	in the report ar	e correct and this	REPAIR REPLACEMENT	conforms to the rules of	the
SME Code	e, Section XI.				repair or replacemen	*	
					1 2		
Туре Со	de Symbol Stamp			· .	N/A		
• Certificate	e of Authorization N	0.	N/A	Expirati	on	· N/A	
	dAh	1	0			/ 9	
Signed _	Overer or Owne	r's Designee, Tit	tie Welding En	Dat ngineer	· Vano	<u>/7</u> .20 <u>03</u>	
prosta		<u> </u>	<del></del>		·		
<del></del>		CER	TIEICATION	OF INSERVI	CE INSPECTIO	NI	
	er e				e same to the	1	
	rsigned, holding a va of PENNSYLVAN		ion issued by the and employe	he National Board of ed byFACTC	of Boiler and Pres: ORY MUTUAL INS	sure Vessel Inspectors and the URANCE CO.	e State of
JOHNS	TON, RHODE ISLA	ND			have inspe	cted the components describ	
this Own	er's Report during th	ne period	2-6-0				ate that
the best	or my knowledge an eport in accordance	id belief, the	Owner has per	Tormed examination	ins and taken com	ective measures described in	Inis.
						ssed or implied, concerning th	18
xaminatio	ns and corrective me	easures desi	cribed in this O	wner's Report. Fu	irthermore, neithei	the Inspector nor his employ	er
		r any persor	ral injury or pro	perty damage or a	loss of any kind a	rising from or connected with	this
rspection.	200	us II		Commissions M	B 7980 A.	N.I.B. NS PAZZ	204
	TOTAL 17. 1 L. UV						
	Inspector's 🕸	nature		· ·	National Board, St	ate, Province, and Endorsem	ents
•	Inspector's 30	20 <b>0 3</b>			National Board, St	ate, grovince, and Endorsem	ents

1. Owner		PPL SUSQUE			Date	02	-JUNE-2003	
7	69 SAL	EM BLVD, BERW		·•	Sheet	2 of	25	
2. Plant	Sus	Address  QUEHANNA STEAN	I ELECTRIC STAT	TON	Unit		Two	
		NAM	_	-		See Die	24 25	
7	69 SAL	EM BLVD, BERW	ICK, PA 18603		Re		ES 21 THRU 25 on P.O. No., Job No., etc.	
3. Work Perform	ed by		SQUEHANNA, LLO	<u> </u>	Type Code Syr	•	,	
7	69 SAL	EM BLVD, BERW	NAME ICK, PA 18603		Authorization N	lo	N/A	
		Address			Expiration Date	)	N/A	
4. Identification	of Syste	m		REACTOR \	/ESSEL 2	62A-I		<del></del>
5. (a) Applicable (b) Applicable	e Constr e Edition		d for Repairs or Re	•	thru W72	Addenda	No C	ode Case
Name of Compone		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 DRIVE BO		GE	НТ: ТТ010Ј	N/A	2CRD42-59	2003	REPLACEMENT	No
9. CONTROL DRIVE		GE	A4409	N/A	2CRD42-15	1981	REPLACED	YES
10. CONTROL DRIVE	ROD	GE	A5595	N/A	2CRD42-15	1981	REPLACEMENT	YES
11. CONTROL DRIVE BO		GE	CD5N842	N/A	2CRD42-15	1981	REPLACED	No
12. CONTROL DRIVE BO	ROD	GE	НТ: ТТ010Ј	N/A	2CRD42-15	2003	REPLACEMENT	No
13. CONTROL DRIVE		GE	A4518	N/A	2CRD18-59	1981	REPLACED	YES
14. CONTROL DRIVE	ROD	GE	7837	N/A	2CRD18-59	1978	REPLACEMENT	YES
15. CONTROL DRIVE BO		GE	CD5N842	N/A	2CRD18-59	1981	REPLACED	No
16. CONTROL DRIVE BO	ROD	GE	НТ: ТТ010Ј	N/A	2CRD18-59	2003	REPLACEMENT	No
17. CONTROL DRIVE		GE	A4547	N/A	2CRD42-03	1981	REPLACED	YES
18. CONTROL	ROD	GE	A4027	N/A	2CRD42-03	1981	REPLACEMENT	YES

DRIVE

1. Owner		PPL SUSQUE			Date	02	-June-2003	
	769 SAI	LEM BLVD, BERW	ICK, PA 18603		Sheet	3 of	25	
2. Plant	Sus	AGGRESS  QUEHANNA STEAN  NAME  NAME		TION	Unit		Two	
	769 SAI	LEM BLVD, BERW	<del>-</del>				ES 21 THRU 25	
3. Work Perf	formed by		SQUEHANNA, LL	С	Type Code S			
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization	No	N/A	
		Address			Expiration Da	te	N/A	
4. Identifica	tion of Syste	m		REACTOR	VESSEL	262A-I		
(b) Appli	icable Edition	ruction Code n of Section XI Utilize conents Repaired or	ed for Repairs or Re	eplacements 19	89	Addenda,	No C	ode Case
3	ne of conent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. CONT	ROL ROD	GE	669367	N/A	2CRD42-03	1989	REPLACED	No
20. CONT		GE	НТ: ТТ010Ј	N/A	2CRD42-03	2003	REPLACEMENT	No
21. CONT DRIVE		GE	A9568	N/A	2CRD30-03	1993	REPLACED	YES
22. CONT		GE	9407	N/A	2CRD30-03	1978	REPLACEMENT	YES
23. CONT	ROL ROD E BOLTS	VITCO	HAL	N/A	2CRD30-03	1992	REPLACED	No
24. CONT DRIVE	ROL ROD E BOLTS	GE	HT: TT010J	N/A	2CRD30-03	2003	REPLACEMENT	No
25. CONT. DRIVE	ROL ROD	GE	A4060	N/A	2CRD50-51	1981	REPLACED	YES
26. CONT	ROL ROD	GE	A5596	N/A	2CRD50-51	1981	REPLACEMENT	YES
27. CONT		VITCO	HAL	N/A	2CRD50-51	1993	REPLACED	No
28. CONT		GE	HT: TT010J	N/A	2CRD50-51	2003	REPLACEMENT	No
29. CONT		ACCUTECH	HT: Rw24	N/A	2CRD50-51	2001	REPLACEMENT	No
30. CONT		GE	A4591	N/A	2CRD34-03	1981	REPLACED	YES

DRIVE

		As Required	by the Provis	sions of the	ASME Code S	ection XI		
1. Owner		PPL SUSQUE		<u> </u>	Date	02	-JUNE-2003	
<u> </u>	769 SAL	EM BLVD, BERW	ск, РА 18603		Sheet	<u>4</u> of	25	
2. Plant	Susc	QUEHANNA STEAM		ПОМ	Unit		Two	
	769 SAL	EM BLVD, BERW	ск, РА 18603		R		ES 21 THRU 25 on P.O. No., Job No., etc.	
3. Work Perf	ormed by	PPL Sus	SQUEHANNA, LL Name	C	Type Code Sy	mbol Stamp	NONE	
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Authorization	No	N/A	
		7.2333			Expiration Dat	e	N/A	
4. Identificat	tion of Systen	n		REACTOR	VESSEL	262A-I		_
(b) Appli	cable Edition	uction Code of Section XI Utilize onents Repaired or F	d for Repairs or Re	eplacements 19	89	_ Addenda,	. <u>No</u> C	ode Case
r			•	r	•		·	<del> </del>
	ne of soment	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)

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	GE	A3982	'N/A	2CRD34-03	1981	REPLACEMENT	YES
32. CONTROL ROD DRIVE BOLTS	GE	669367	N/A	2CRD34-03	1989	REPLACED	No
33. CONTROL ROD DRIVE BOLTS	GE	HT: TT010J	N/A	2CRD34-03	2003	REPLACEMENT	No
34. CONTROL ROD DRIVE	GE	A2377	N/A	2CRD26-07	1991	REPLACED	YES
35. CONTROL ROD DRIVE	GE	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	GE	HT: TT010J	N/A	2CRD26-07	2003	REPLACEMENT	No
38. CONTROL ROD DRIVE	GE	9169	N/A	2CRD06-15	1978	REPLACED	YES
39. CONTROL ROD DRIVE	GE	A4415	N/A	2CRD06-15	1981	REPLACEMENT	YES
40. CONTROL ROD DRIVE BOLTS	GE	CD5N842	N/A	2CRD06-15	1981	REPLACED	No
41. CONTROL ROD DRIVE BOLTS	GE	HT: TT010J	N/A	2CRD06-15	2003	REPLACEMENT	No
42. CONTROL ROD DRIVE	GE	A5473	N/A	2CRD22-59	1981	REPLACED	YES

1. Owner	PPL Susqu	Date	Date 02-JUNE-2003				
769	SALEM BLVD, BERW	VICK, PA 18603		Sheet	5 of	25	
2. Plant S	AOGRESS SUSQUEHANNA STEAI	M ELECTRIC STAT	TION	Unit		Two	
	NAI					1110	
769	SALEM BLVD, BERW	VICK, PA 18603		- Do		ES 21 THRU 25 on P.O. No., Job No., etc.	·
2 Mork Dorformed b		ISQUEHANNA, LL	c			, ,	
3. Work Performed b	FFE 30	NAME	<u> </u>	Type Code Syr	nboi Stamp	NONE	<u> </u>
769	SALEM BLVD, BERW	/ICK, PA 18603	P*	Authorization N	lo	N/A	
	Address			Expiration Date	1	N/A	
4. Identification of S	vstem		REACTOR V	·	 :62A-I	IV/A	
	enstruction Code	III 40	7.27.04			No c	
	ition of Section XI Utilize			"	Addenda	, <u>140</u> C	ode Case
	omponents Repaired or	•	•				
6. Identification of C	omponents Repaired or	Replaced and Replaced	acement Compo	onents			-
			National			Repaired,	ASME Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
43. CONTROL RO	DD GE	A3802	N/A	2CRD22-59	1981	REPLACEMENT	YES
44. CONTROL RO		61811	N/A	2CRD22-59	1992	REPLACED	No
45. CONTROL RO	D GE	HT: TT010J	N/A	2CRD06-15	2003	REPLACEMENT	No
46. CONTROL RO		A4631	N/A	2CRD26-35	1981	REPLACED	YES
47. CONTROL RO	D GE	A5654	N/A	2CRD26-35	1981	REPLACEMENT	YES
48. CONTROL RO		N/A	N/A	2CRD26-35	1974	REPLACED	No
49. CONTROL RO	D ACCUTECH	HT: 13855	N/A	2CRD26-35	2001	REPLACEMENT	No
50. CONTROL RO DRIVE		8606	N/A	2CRD58-19	1984	REPLACED	YES
51. CONTROL RO DRIVE	D GE	9331	N/A	2CRD58-19	1978	REPLACEMENT	YES
52. CONTROL RO DRIVE BOLTS	ľ	CD5N842	N/A	2CRD58-19	1981	REPLACED	No
53. CONTROL RO	D GE	HT: TT010J	N/A	2CRD58-19	2003	REPLACEMENT	No

54. CONTROL ROD DRIVE

GE

A3929

N/A

2CRD18-31

1981

REPLACED

YES

1. Owner		PPL SUSQUE			Date	Date02-JUNE-2003				
	769 SAL	EM BLVD, BERW			Sheet	6 of	25	<del> </del>		
2. Plant	Sus	QUEHANNA STEAM		rion	Unit		Two			
	769 SAL	EM BLVD, BERW	ICK, PA 18603				S 21 THRU 25 n P.O. No., Job No., etc.	····		
				_						
3. Work Per	rformed by	PPL Su	NAME	<u>C</u>	Type Code Sy	mbol Stamp	None			
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization	No	N/A			
		Address			Expiration Date	te	N/A			
4. Identifica	ation of Syste	m		REACTOR V	/ESSEL	262A-I	· · · · · · · · · · · · · · · · · · ·			
5. (a) App (b) App	licable Constr licable Edition	ruction Code n of Section XI Utilize	III 19 ed for Repairs or Re			_ Addenda,	<u>No</u> C	ode Case		
6. Identifica	ation of Comp	onents Repaired or I	Replaced and Replaced	acement Compo	nents		,			
	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
55. CON	TROL ROD	GE	4104	N/A	2CRD18-31	1981	REPLACEMENT	YES		
56. CON	TROL ROD E BOLTS	GE	61811	N/A	2CRD18-31	1992	REPLACED	No		
1	TROL ROD E BOLTS	GE	HT: TT010J	N/A	2CRD18-31	2003	REPLACEMENT	No		
58. CON DRIV	TROL ROD	GE	A3814	N/A	2CRD54-43	1981	REPLACED	YES		
59. Con Driv	TROL ROD	GE	A3483	N/A	2CRD54-43	1981	REPLACEMENT	YES		
60. CON	TROL ROD E BOLTS	GE	669367	N/A	2CRD54-43	1989	REPLACED	No		
61. CON	TROL ROD	GE	НТ: ТТ010Ј	N/A	2CRD54-43	2003	REPLACEMENT	No		
	TROL ROD	GE	A2563	N/A	2CRD54-35	1981	REPLACED	YES		
	TROL ROD	GE	9518	N/A	2CRD54-35	1978	REPLACEMENT	YES		
64. CON	TROL ROD E BOLTS	GE	669367	N/A	2CRD54-35	1989	REPLACED	No		
65. CON	TROL ROD E BOLTS	GE	НТ: ТТ010Ј	N/A	2CRD54-35	2003	REPLACEMENT	No		
		GF	8484	N/A	2CRD10-15	1978	REDI ACED	VEC		

DRIVE

1. Owner		PPL SUSQUE			Date 02-JUNE-2003				
	769 SAL	EM BLVD, BERW	··· <del>-</del>		Sheet	7 of	25		
2. Plant	Susc	QUEHANNA STEAM		TION	Unit		Two		
	769 SAL	EM BLVD, BERW	ICK, PA 18603		R		S 21 THRU 25 n P.O. No., Job No., etc.		
3. Work P	Performed by	PPL Su	SQUEHANNA, LLO	<u> </u>	Type Code Sy				
<del></del>	769 SAL	EM BLVD, BERW	ICK, PA 18603	·	Authorization	No	N/A		
					Expiration Dat		N/A		
4. Identifi	ication of Syster	n		REACTOR V	ESSEL	262A-I	<del></del>		
(b) Ap	oplicable Edition	uction Code of Section XI Utilize onents Repaired or I	ed for Repairs or Re	placements 19	89	_ Addenda,	No C	Code Case	
	lame of mponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year (- Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
67. Col	NTROL ROD	GE	7824	N/A	2CRD10-15	1978	REPLACEMENT	YES	
68. Co	NTROL ROD IVE BOLTS	GE	CD5N842	N/A	2CRD10-15	1981	REPLACED	No	
	NTROL ROD IVE BOLTS	GE	HT: TT010J	N/A	2CRD10-15	2003	REPLACEMENT	No	
70. Con Dri	NTROL ROD IVE	GE	A5435	N/A	2CRD10-35	1981	REPLACED	YES	
Dri		GE	A4289	N/A	2CRD10-35	1981	REPLACEMENT		
Dri	NTROL ROD IVE BOLTS	GE	61811	N/A	2CRD10-35	1992	REPLACED	No	
Dri	NTROL ROD IVE BOLTS	GE	HT: TT010J	N/A	2CRD10-35	2003	REPLACEMENT	<u> </u>	
74. Con Dri	NTROL ROD IVE	GE	A5487	N/A	2CRD14-27	1981	REPLACED	YES	
Dri		GE	A4265	N/A	2CRD14-27	1981	REPLACEMENT		
	NTROL ROD IVE BOLTS	GE	HAL	N/A	2CRD14-27	1993	REPLACED	No	
	NTROL ROD IVE BOLTS	GE	HT: TT010J	N/A	2CRD14-27	2003	REPLACEMENT	No	
78 CO	NTROI ROD	GE	A4288	N/A	2CRD34-07	1981	REDI ACED	VES	

DRIVE

1. Owner		PPL SUSQUE		·	Date	02-	-JUNE-2003				
	769 SAL	EM BLVD, BERW	<u>-</u>		Sheet	<u>B</u> of	25				
2. Plant _	Susc	QUEHANNA STEAM		TION	Unit		Two	· · · · · · · · · · · · · · · · · · ·			
<del></del>	769 SAL	EM BLVD, BERW	ICK, PA 18603		<u></u>		ES 21 THRU 25				
		Address			Reş	Repair Organization P.O. No., Job No., etc.					
3. Work Perfo	ormed by	PPL Sus	SQUEHANNA, LL NAME	<u>c                                     </u>	Type Code Syn	nboi Stamp	None				
	769 SAL	EM BLVD, BERWI	ICK, PA 18603	<del></del>	Authorization N	o	N/A				
		Addiess			Expiration Date		N/A				
4. Identificati	ion of Syste	m		REACTOR \	VESSEL 2	62A-I					
5. (a) Applic	able Constr	uction Code	<u>    </u> 19	71 Edition		Addenda,	No Co	ode Case			
(b) Applic	cable Edition	of Section XI Utilize	ed for Repairs or Re	eplacements 19	_89						
6. Identificati	ion of Comp	onents Repaired or I	Replaced and Repl	acement Compo	nents						
	<del></del>	1				<del></del>		T			
- Nam ∵Comp		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year ∷ Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)			
70 . Cox	noi Don	GE	A 5011	37/4	2CDD24 07	1001	Drn cristin	Vec			
79. CONTI DRIVE		GE	A5211	N/A	2CRD34-07	1981	REPLACEMENT	YES			
80. CONTI		GE	669367	N/A	2CRD34-07	1989	REPLACED	No			
81. CONTI		GE	HT: TT010J	N/A	2CRD34-07	2003	REPLACEMENT	No			
82. CONTE	ROL ROD	GE	A5594	N/A	2CRD26-55	1981	REPLACED	YES			
83. CONTI DRIVE	ROL ROD	GE	A5479	N/A	2CRD26-55	1981	REPLACEMENT	YES			
84. CONTI		GE	CD5N842	N/A	2CRD26-55	1981	REPLACED	No			
85. CONTE		GE	НТ: ТТ010Ј	N/A	2CRD26-55	2003	REPLACEMENT	No			
86. CONTE	ROL ROD	GE	A4571	N/A	2CRD46-11	1981	REPLACED	YES			
87. CONTE	ROL ROD	GE	7790	N/A	2CRD46-11	1978	REPLACEMENT	YES			
88. CONTE		GE	N/A	N/A	2CRD46-11	N/A	REPLACED	No			
89. CONTE		GE	HT: TT010J	N/A	2CRD46-11	2003	REPLACEMENT	No			
90. CONTR	ROL ROD	GE	A1059	N/A	2CRD18-39	1978	REPLACED	YES			

	As Required	i by the Provis	ions of the	ASME Code Se	ction XI		
1. Owner	PPL SUSQUE			Date	02	-JUNE-2003	
769 S	SALEM BLVD, BERW			SheetS	) of	25	·
2. Plant St	JSQUEHANNA STEAM		ION	Unit		Two	<del></del>
769 S	NAMI SALEM BLVD, BERW	_			SEE PAG	ES 21 THRU 25	
	Address		<del></del>	Rep	air Organizatio	n P.O. No., Job No., etc.	
3. Work Performed by	PPL Sus	SQUEHANNA, LLO	<u> </u>	Type Code Sym	bol Stamp	NONE	
769 S	SALEM BLVD, BERW	іск, РА 18603		Authorization No	o	N/A	
	, no. 100			Expiration Date		N/A	
4. Identification of Sys	stem		REACTOR	VESSEL 20	62A-I		
	struction Code tion of Section XI Utilize				Addenda	No Co	ode Case
6. Identification of Co	mponents Repaired or I	Replaced and Repla	acement Compo	onents			
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 ROL DRIVE	GE	A5500	N/A	2CRD18-39	1981	REPLACEMENT	YES
92. CONTROL ROL DRIVE BOLTS	GE	CD5N842	N/A	2CRD18-39	1981	REPLACED	No
93. CONTROL ROL DRIVE BOLTS	GE	НТ: ТТ010Ј	N/A	2CRD18-39	2003	REPLACEMENT	No
94. CONTROL ROL DRIVE	GE GE	A4707	N/A	2CRD06-43	1981	REPLACED	YES
95. CONTROL ROL DRIVE	GE	A4433	N/A	2CRD06-43	1981	REPLACEMENT	YES
96. CONTROL ROL DRIVE BOLTS	G E	61811	N/A	2CRD06-43	1992	REPLACED	No
97. CONTROL ROL DRIVE BOLTS	GE	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

N/A

N/A

N/A

N/A

6

7

11

3

100.STEP STUD

101.STEP STUD

102.STEP STUD

103.STEP STUD

A&M

A&M

A&M

A&M

HV241F028D

HV241F028D

HV241F028D

HV241F028D

1986

1986

1986

1986

REPAIRED

REPAIRED

REPAIRED

REPLACED

YES

YES

YES

YES

	AS Required	a by the Provis	ions of the	ASME Code S	ection XI		
1. Owner	PPL SUSQUE	HANNA, LLC		Date	02	-June-2003	
769 SA	LEM BLVD, BERW	rick, PA 18603		Sheet	10 of	25	
2. Plant SUS	Address QUEHANNA STEAN	I ELECTRIC STAT	TION	Unit		Two	
<del></del>	Nam	IE.					
769 SA	LEM BLVD, BERW	ICK, PA 18603				ES 21 THRU 25 on P.O. No., Job No., etc.	<del></del>
			^		•		
3. Work Performed by	PPL SU	NAME	<u> </u>	Type Code Sy	mbol Stamp	NONE	
769 SA	LEM BLVD, BERW	ICK, PA 18603	<del></del>	Authorization	No	N/A	
	Audiess			Expiration Dat	e	N/A	
4. Identification of Syste	em		REACTOR	VESSEL	262A-I		
5. (a) Applicable Const	ruction Code n of Section XI Utilize	III 19			_ Addenda	No C	ode Case
6. Identification of Com							
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	HV241F028E	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	HV241F028E	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		REPAIRED	YES
110.MSRV DISC INSERT	CROSBY	N93185-37- 0071	N/A	MSRV SER# N63790-00-0022		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		REPLACED	YES

N/A

N/A

N/A

MSRV SER#

N63790-00-0022

MSRV SER#

N63790-00-0022

MSRV SER#

N63790-00-0022

2002

1982

1982

REPLACEMENT

REPAIRED

REPAIRED

YES

YES

YES

K82137-56-

0094 D00373

K63618-32-

0029

**ANDERSON** 

**CROSBY** 

**CROSBY** 

GREENWOOD

113.MSRV

114.MSRV

115.MSRV

SPINDLE ASSEMBLY

LOAD PLATE

**ADJ BOLT BUTTON** 

1. Owner	PPL SUSQUE	<u>-</u>		Date	02	-JUNE-2003			
769 SA	LEM BLVD, BERW			Sheet	11 of	25			
2. Plant SUS	QUEHANNA STEAM		ΠΟΝ	Unit		Two			
769 SA	NAME LEM BLVD, BERW	_			SEE PAG	ES 21 THRU 25			
	Address			Repair Organization P.O. No., Job No., etc.					
3. Work Performed by	PPL Sus	SQUEHANNA, LLI	<u>c</u>	Type Code Sy	mbol Stamp	None	<u> </u>		
769 SA	LEM BLVD, BERW	ICK, PA 18603		Authorization I	Authorization No. N/A				
	ACCII 600			Expiration Dat	e	N/A			
4. Identification of Syste	em	<u></u>	REACTOR	VESSEL 2	262A-I	····			
5. (a) Applicable Const					Addenda	_No C	ode Case		
(b) Applicable Editio	n of Section XI Utilize	d for Repairs or Re	placements 19						
6. Identification of Comp	onents Repaired or I	Replaced and Repl	acement Comp	onents					
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		REPAIRED	YES		
117.MSRV LOWER SPRING WASHER	CROSBY	K62857-32- 0027	N/A	MSRV SER# N63790-00-0022		REPAIRED	YES		
118.MSRV ASSEMBLY	CRSOBY	N63790-00- 0023	N/A	PSV241F013E	1982	REPLACED	YES		
119.MSRV	CRSOBY	N63790-00-	N/A	PSV241F013E	1982	REPLACEMENT	YES		
ASSEMBLY 120.MSRV	CROSBY	0022 N/A	N/A	PSV241F013F	3 1982	REPLACED	YES		
INLET NUTS				1					
121.SUPERBOLT NUT ASSEMBLIES	Nova	N/A	N/A	PSV241F013E	2002	REPLACEMENT	No		
122.MSRV Nozzle	CROSBY	N93184-33- 0069	N/A	MSRV SER# N63790-00-0128		REPAIRED	YES		
123.MSRV DISC INSERT	CROSBY	N93185-57- 0257	N/A	MSRV SER# N63790-00-0128	1982	REPLACED	YES		
124.MSRV DISC	ANDERSON	N97499-38-	N/A	MSRV SER#		REPLACEMENT	YES		
INSERT	GREENWOOD	0073	1447	N63790-00-0128		ACT ENCEMENT	1 123		
125.MSRV	CROSBY	K62873-41-	N/A	MSRV SER#		REPLACED	YES		
SPINDLE ASSEMBLY		0040	]	N63790-00-0128					
126.MSRV	ANDERSON	K82137-56-	N/A	MSRV SER#	2002	REPLACEMENT	YES		
SPINDLE ASSEMBLY	GREENWOOD	0096		N63790-00-0128	j i				

N/A

D00373-

0006

127.MSRV

LOAD PLATE

CROSBY

1982

REPAIRED

YES

MSRV SER#

N63790-00-0128

1. Owner	PPL SUSQUE		Date	02	-JUNE-2003				
769 SAL	EM BLVD, BERWI	_	<del>-</del>	Sheet12	2 of	25			
2. Plant SUSC	QUEHANNA STEAM		ПОМ	Unit	<del></del> ,	Two			
769 SAL	EM BLVD, BERWI	ск, РА 18603			SEE PAGI	ES 21 THRU 25			
· · · · · · · · · · · · · · · · · · ·	Address	•	<del></del>	Repair Organization P.O. No., Job No., etc.					
3. Work Performed by	PPL Sus	SQUEHANNA, LL NAME	<u>c</u>	Type Code Sym	bol Stamp	None	<u> </u>		
769 SAL	EM BLVD, BERWI	ск, РА 18603		Authorization No	)	N/A			
				Expiration Date		N/A			
4. Identification of System	m		REACTOR	VESSEL 26	2A-I				
5. (a) Applicable Constr (b) Applicable Edition	n of Section XI Utilize	d for Repairs or Re	eplacements 19	89	Addenda,	<u>No</u> C	ode Case		
6. Identification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	onents					
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		

1. Owner		PPL SUSQUEHANNA, LLC				02-June-2003			
	769 SAL	EM BLVD, BERW			Sheet	1:	3 of	25	<u>;                                    </u>
2. Plant	Susc	ADGRESS QUEHANNA STEAM	ELECTRIC STAT	ПОМ	Unit			Two	
		NAM							<del></del>
	769 SAL	EM BLVD, BERW	ICK, PA 18603	<u></u>		Pan		ES 21 THRU 25 n P.O. No., Job No., etc	
				_		•	-	•	
3. Work Perl	formed by	PPL SU	SQUEHANNA, LL	<u> </u>	Type Co	de Sym	bol Stamp	Non	NE
		Authorization No. N/A							
<del> </del>		Address			Expiratio	n Date		N/A	
4 Identifica	tion of System	m		REACTOR	•		 62A-I	N/A	
	•								·-···
	icable Constr					72	Addenda,	No	Code Case
(b) Appl	icable Edition	of Section XI Utilize	d for Repairs or Re	eplacements 19	<u>89</u>				
6. Identifica	tion of Comp	onents Repaired or I	Replaced and Repl	acement Comp	onents				
0. 100.10.10									
		1	1						1 40115
	•								ASME Code
		Name of		National Board	011-	_		Repaired, Replaced, or	Stamped
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	No.	Othe		Year Built	Replacement	(Yes or
	ponent	, manoractaror	OCHENTO.		, identilia			· · ·	No)
			•						
140.MSR	v	CROSBY	106074-99-	N/A	MSRV S	ER#	1982	REPAIRED	YES
	PLATE		00128	1 1 1 1	N63790-00		","	100111102	'
141.MSR		CROSBY	K63618-35-	N/A	MSRV S	ER#	1982	REPAIRED	YES
ADJ BOLT			0126	- "	N63790-00				]
	V THRUST	CROSBY	N93409-34-	N/A	MSRV S	ER#	1982	REPAIRED	YES
	ADAPTER		0122		N63790-00	-0130			
143.MSR		CROSBY	K62857-96-	N/A	MSRV S	ER#	1982	REPAIRED	YES
SPRING W	ASHER		0006		N63790-00	-0130			i
144.MSR	V	CROSBY	N/A	N/A	MSRV S	ER#	1982	REPLACED	No
INLET STU	D 1 & 12				N63790-00	-0130			
145.MSR	V	ALLIED NUT &	HT: D91	N/A	MSRV S	ER#	1996	REPLACEMEN'	r No
INLET STU	D1&12_	BOLT	HT: AYF		N63790-00	-0130			ı
146.MSR	V	CRSOBY	N63790-00-	N/A	PSV241F	013F	1980	REPLACED	YES
ASSE	MBLY		0024		İ.,				<u> </u>
147.MSR	<u>v</u>	CRSOBY	N63790-00-	N/A	PSV241F	013F	1982	REPLACEMENT	r YES
ASSE	MBLY		0130						
148.MSR	V	CROSBY	N/A	N/A	PSV241F	013F	1980	REPLACED	YES
INLET	NUTS	<u> </u>	<b>]</b>				<u>L</u>		
149.SUPE	RBOLT	Nova	N/A	N/A	PSV241F	013F	2003	REPLACEMENT	r No
NUT ASSE									
150.MSR		CROSBY	N93184-99-	N/A	MSRV S	ER#	1980	REPLACED	YES
		<u> </u>	0139		N63790-00	-0027			
151 MSR	V NOZZLE	CROSBY	N93184-57-	N/A	MSRV S	ER#	1998	REPLACEMENT	r YES

0175

N63790-00-0027

			<del>_</del>					
1. Owner	PPL SUSQUEHANNA, LLC				Date	02	-JUNE-2003	
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Sheet	14 of	25	
	_	Address					_	
2. Plant	Susc	QUEHANNA STEAM		TON	Unit		Two	
	769 SAL	EM BLVD, BERWI	ск, РА 18603				ES 21 THRU 25	
		Address		_			n P.O. No., Job No., etc	
3. Work Perfor	med by	PPL Sus	SQUEHANNA, LL	<u>C</u>	Type Code Sy	mbol Stamp	Non	<u>E</u>
	769 SAL	EM BLVD, BERWI			Authorization I	No	N/A	
		Address			Expiration Dat	2	N/A	
4. Identification	on of Syster	n		REACTOR	Vessel :	262A-I		
	•	uction Code			<del></del>	Addenda	No.	Codo Coso
		of Section XI Utilize				_ Addenda,		Code Case
` , , , ,			•	•				
6. Identification	on of Comp	onents Repaired or F	Replaced and Repla	acement Comp	onents			
			T		<u> </u>	<del></del>		T
		İ						ASME Code
		j		National Board			Repaired, Replaced, or	Stamped
Name		Name of	Manufacturer	No.	Other	Year	Replaced, or Replacement	(Yes or
Compo	nent	Manufacturer	Serial No.		Identification	Built	, topicoomeni	No)
		al I	ļ		ļ	1		
152.MSRV	Disc	CROSBY	N93185-55-	N/A	MSRV SER#	1980	REPLACED	YES
INSERT		CROSDI	0232	17/7	N63790-00-0027		ICILACED	1123
153.MSRV		ANDERSON	N97499-37-	N/A	MSRV SER#	2001	REPLACEMENT	YES
Insert		GREENWOOD	0051		N63790-00-0027			
154.MSRV		CROSBY	K62873-41-	N/A	MSRV SER#	1980	REPLACED	YES
SPINDLE AS			0129		N63790-00-0027			
155.MSRV		ANDERSON	K82137-56-	N/A	MSRV SER#	2002	REPLACEMENT	YES
SPINDLE AS	SEMBLY	GREENWOOD	0093		N63790-00-0027			
156.MSRV		CROSBY	106074-99-	N/A	MSRV SER#	1980	REPAIRED	YES
LOAD P	LATE		0055		N63790-00-0027			
157.MSRV		CROSBY	K63618-32-	N/A	MSRV SER#	1980	REPAIRED	YES
ADJ BOLT B			0034		N63790-00-0027			
158.MSRV	THRUST	CROSBY	N93409-32-	N/A	MSRV SER#		REPAIRED	YES
BEARING A			0031		N63790-00-0027			
159.MSRV		CROSBY	K62857-32-	N/A	MSRV SER#		REPAIRED	YES
SPRING WA			0018		N63790-00-0027			
160.MSRV		CROSBY	N/A	N/A	MSRV SER#		REPLACED	No
INLET STUD					N63790-00-0027			<u> </u>
161.MSRV		ALLIED NUT &	HT: D91	N/A	MSRV SER#	1	REPLACEMENT	No
INLET STUD		BOLT			N63790-00-0027			
162.MSRV		CRSOBY	N63790-00-	N/A	PSV241F013F	1 1980	REPLACED	YES
ASSEMI			0026			<del>                                     </del>	<b></b>	<del> </del>
163.MSRV		CRSOBY	N63790-00-	N/A	PSV241F013F	I   1980	REPLACEMENT	YES

0027

**ASSEMBLY** 

1. Owner	PPL SUSQUE	HANNA, LLC		Date 02-JUNE-2003				
769 SAI		Sheet 1:	5 of	25				
	Address							
2. Plant SUS	QUEHANNA STEAN		TION	Unit	<del></del> -	Two		
769 SAI	LEM BLVD, BERW	ICK, PA 18603		SEE PAGES 21 THRU 25 Repair Organization P.O. No., Job No., etc.				
3. Work Performed by	PPL SU	SQUEHANNA, LL	<u>.                                    </u>	Type Code Symbol Stamp NONE				
769 SAI	EM BLVD, BERW			Authorization No. N				
	Address			Expiration Date		N/A		
4. Identification of Syste	m		REACTOR 1	VESSEI 26	52A-I		<del></del>	
_						3.1 -	<del></del>	
5. (a) Applicable Consti					Addenda,	No C	ode Case	
(b) Applicable Edition	n of Section XI Utilize	ed for Repairs or Re	eplacements 19					
6. Identification of Comp	onents Repaired or I	Replaced and Repl	acement Compo	onents				
				<u> </u>		<del>-</del>		
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	CROSBY	N/A	N/A	PSV241F013H	1980	REPLACED	YES	
INLET NUTS							<u> </u>	
165.SUPERBOLT	Nova	N/A	N/A	PSV241F013H	2002	REPLACEMENT	No	
NUT ASSEMBLIES			<u> </u>				<u> </u>	
166.MSRV Nozzle	CROSBY	N93184-32- 0028	N/A	MSRV SER# N63790-00-0020	1980	REPAIRED	YES	
167.MSRV DISC	CROSBY	N93185-32-	N/A	MSRV SER#	1980	REPLACED	YES	
INSERT		0028	1	N63790-00-0020				
168.MSRV DISC	ANDERSON	N97499-38-	N/A	MSRV SER#	2001	REPLACEMENT	YES	
Insert	GREENWOOD	0070		N63790-00-0020				
169.MSRV	CROSBY	N/A	N/A	MSRV SER#	1980	REPAIRED	YES	
LOAD PLATE	<u> </u>	<u> </u>	l	N63790-00-0020	<u></u>			
170.MSRV	CROSBY	K63618-32-	N/A	MSRV SER#	1980	REPAIRED	YES	
ADJ BOLT BUTTON	<u> </u>	0027		N63790-00-0020				
171.MSRV THRUST	CROSBY	N93409-32-	N/A	MSRV SER#	1980	REPAIRED	YES	
BEARING ADAPTER	0	0024		N63790-00-0020	1000	<b>D</b>		
172.MSRV LOWER	CROSBY	K62857-32-	N/A	MSRV SER# N63790-00-0020	1980	REPAIRED	YES	
SPRING WASHER	Cnochy	0025	37/4		27/4	Deni Loop	No	
173.MSRV DUAL- DIA INLET STUD 9	CROSBY	N/A	N/A	MSRV SER# N63790-00-0020	N/A	REPLACED	No	
174.MSRV DUAL-	Nova	HT: C100	N/A	MSRV SER#	2001	REPLACEMENT	No	
DIA INLET STUD 9	, nota	111. 0100	14/74	N63790-00-0020	2001	ACTACEMENT	140	
175.MSRV	CRSOBY	N63790-00-	N/A	PSV241F013K	1980	REPLACED	YES	
ASSEMBLY		0025	- 1/ # #					

1. Owner	ner PPL SUSQUEHANNA, LLC				Date	Date 02-JUNE-2003				
	769 SAL	EM BLVD, BERW	<del>-</del>		Sheet1	6 of	25			
	<b>0</b>	Address	. C. zazzia 0zia				Time			
2. Plant SUSQUEHANNA STEAM ELECTRIC STATION Unit						Unit Two				
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Repo		ES 21 THRU 25 on P.O. No., Job No., etc.			
3. Work Perfor	med by	PPL Sus	SQUEHANNA, LL	C	Type Code Sym	bol Stamp	None	:		
0.000	_		NAME	<u> </u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization No	)	N/A			
		Address			Expiration Date		N/A			
4. Identification	n of Syster	n		REACTOR 1	VESSEL 26	52A-I				
	•	uction Code	III 40				No c	ada Casa		
		of Section XI Utilize				Addenda,		ode Case		
			·	•						
6. Identificatio	n of Comp	onents Repaired or I	Replaced and Repl	acement Compo	onents					
								ASME Code		
Name Compos		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year · Built	Repaired, Replaced, or Replacement	Stamped (Yes or No)		
176.MSRV		CRSOBY	N63790-00-	N/A	PSV241F013K	1980	REPLACEMENT	YES		
ASSEME	BLY	Cnoony	0020 N/A	N/A	PSV241F013K	1980	Provinces	3700		
177.MSRV INLET N	lure	CROSBY	N/A	N/A	PSV241FUISK	1960	REPLACED	YES		
178.SUPERB		NOVA	N/A	N/A	PSV241F013K	2003	REPLACEMENT	No		
NUT ASSEM		INOVA	14/21	1 17/21	15124110151	2005	ACT EACEMENT	1		
179.MSRV		CROSBY	N93184-38- 0066	N/A	MSRV SER# N63790-00-0019	1980	REPAIRED	YES		
180.MSRV	Disc	CROSBY	N93185-338-	N/A	MSRV SER#	1980	REPLACED	YES		
INSERT		<u> </u>	0096		N63790-00-0019					
181.MSRV	Disc	ANDERSON	N97499-38-	N/A	MSRV SER#	2001	REPLACEMENT	YES		
INSERT		GREENWOOD	0074		N63790-00-0019					
182.MSRV		CROSBY	K62873-32-	N/A	MSRV SER#	1980	REPLACED	YES		
SPINDLE ASS			0026	2514	N63790-00-0019					
183.MSRV		ANDERSON	K82137-56-	N/A	MSRV SER# N63790-00-0019	2002	REPLACEMENT	YES		
SPINDLE ASS	SEMBLY	GREENWOOD	0095	DY/A		1000	Browner	Vro		
184.MSRV LOAD P	LATE	CROSBY	D00373- 0003	N/A	MSRV SER# N63790-00-0019	1980	REPAIRED	YES		
185.MSRV	LAIE	CROSBY	K63618-32-	N/A	MSRV SER#	1980	REPAIRED	YES		
ADJ BOLT B	ITTON	CROSBI	0026	N/A	N63790-00-0019	1700	KEINKED	1123		
186.MSRV		CROSBY	N93409-32-	N/A	MSRV SER#	1980	REPAIRED	YES		
BEARING A			0023	l	N63790-00-0019					
187.MSRV		CROSBY	K62857-32-	N/A	MSRV SER#	1980	REPAIRED	YES		
SPRING WAS		·	0026		N63790-00-0019		]			

0026

SPRING WASHER

1. Owner	PPL SUSQUE			Date	02	-JUNE-2003	
769 SAL	EM BLVD, BERWI			Sheet 17	7 of	25	···
2. Plant SUSC	QUEHANNA STEAM		TION	Unit		Two	
769 SAL	EM BLVD, BERWI	CK. PA 18603			SEE PAGE	ES 21 THRU 25	
100 0/12	Address	,	<del></del>	Repa	air Organizatio	on P.O. No., Job No., etc.	
3. Work Performed by	PPL Sus	SQUEHANNA, LL	<u>C</u>	Type Code Sym	bol Stamp	NONE	<u> </u>
769 SAL	EM BLVD, BERWI	ск, РА 18603	<del></del>	Authorization No	)	N/A	
				Expiration Date		N/A	
4. Identification of System	m		REACTOR	VESSEL 26	62A-I		
<ul><li>5. (a) Applicable Constr (b) Applicable Edition</li><li>6. Identification of Comp</li></ul>	uction Code of Section XI Utilize	III 19 d for Repairs or Re	71 Edition pplacements 19	89	Addenda	No C	ode Case
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	CRSOBY	N63790-00-	N/A	PSV241F013L	1980	REPLACED	YES
ASSEMBLY		0031					<u> </u>
189.MSRV	CRSOBY	N63790-00-	N/A	PSV241F013L	1980	REPLACEMENT	YES
ASSEMBLY		0019					
190.MSRV	CROSBY	N/A	N/A	PSV241F013L	1980	REPLACED	YES
INLET NUTS 191.SUPERBOLT	Nova	N/A	N/A	PSV241F013L	2003	REPLACEMENT	No
NUT ASSEMBLIES	NOVA	10/1	1 177	15724110152	2005	REI EACEMENT	10
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	ANDERSON	K82137-56-	N/A	MSRV SER#	2002	REPLACEMENT	YES
SPINDLE ASSEMBLY	GREENWOOD	0097		N63790-00-0133			
197.MSRV LOAD PLATE	CROSBY	N/A	N/A	MSRV SER# N63790-00-0133	1982	REPAIRED	YES
198.MSRV	CROSBY	K63618-35-	N/A	MSRV SER#	1982	REPAIRED	YES
ADJ BOLT BUTTON		0129		N63790-00-0133			
199.MSRV THRUST BEARING ADAPTER	CROSBY	N93409-35- 0125	N/A	MSRV SER# N63790-00-0133	1982	REPAIRED	YES

1. Owner	PPL SUSQUE			Date	02-	-JUNE-2003	
769 SAL	EM BLVD, BERW		<del></del>	Sheet 1	<u>B</u> of	25	
2. Plant SUSC	QUEHANNA STEAM		TION	Unit		Two	
760 SAL	.EM BLVD, BERW	_			SEE PAGI	ES 21 THRU 25	
	Address	ICK, PA 10003		Repo		n P.O. No., Job No., etc.	
3. Work Performed by	PPL Su	SQUEHANNA, LL	С	Type Code Sym	bol Stamp	None	E
		NAME	···				
769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization No	D	N/A	
				Expiration Date		N/A	
4. Identification of System	m		REACTOR'		 52A-I		
5. (a) Applicable Constr						No C	ada Casa
5. (a) Applicable Constr (b) Applicable Edition				''	Addenda,		ode Case
6. Identification of Comp		•	•	····			
o. Identification of Comp	onents repaired or i	replaced and repl	accine in Compe	onenia			
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	CROSBY	K62857-40-	N/A	MSRV SER#	1982	REPAIRED	YES
SPRING WASHER	CKUSBI	0046	IVA	N63790-00-0133	1962	REPAIRED	1 ES
201.MSRV	CRSOBY	N63790-00-	N/A	PSV241F013N	1982	REPLACED	YES
ASSEMBLY 202.MSRV	CRSOBY	0033 N63790-00-	N/A	PSV241F013N	1982	REPLACEMENT	YES
ASSEMBLY	CKSOBI	0133	IVA	F3V241F013N	1702	REPLACEMENT	IES
203.MSRV	CROSBY	N/A	N/A	PSV241F013N	1982	REPLACED	YES
INLET NUTS				707104170407	2000		<del> </del> -
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	ANDERSON	N97499-38-	N/A	MSRV SER#	2001	REPLACEMENT	YES
INSERT	GREENWOOD	0072		N63790-00-0112			
208.MSRV SPINDLE ASSEMBLY	CROSBY	K62873-38- 0117	N/A	MSRV SER# N63790-00-0112	1980	REPLACED	YES
209.MSRV	ANDERSON	K82137-55-	N/A	MSRV SER#	2001	REPLACEMENT	YES
SPINDLE ASSEMBLY	GREENWOOD	0091		N63790-00-0112			
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

0077

ADJ BOLT BUTTON

1. Owner	PPL SUSQUE			Date	02	-JUNE-2003		
769 S/	ALEM BLVD, BERWI	·-		Sheet1	9 of	25		
2. Plant SUS	SQUEHANNA STEAM		пом	Unit		Two		
769 SA	ALEM BLVD, BERWI	ск, РА 18603				ES 21 THRU 25		
	Address			Repa	air Organizatio	n P.O. No., Job No., etc.		
3. Work Performed by	PPL Sus	NAME	<u>c</u>	Type Code Sym	bol Stamp	None		
769 SA	ALEM BLVD, BERWI	ск, РА 18603		Authorization No. N/A				
	Audess			Expiration Date		<u>N/A</u>		
4. Identification of Syst	tem		REACTOR	VESSEL 26	52A-I			
5. (a) Applicable Cons				· ———	Addenda,	No C	ode Case	
(b) Applicable Editi	on of Section XI Utilize	d for Repairs or Re	eplacements 19	_89				
6. Identification of Con	nponents Repaired or F	Replaced and Repl	acement Compo	onents				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buitt	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
212.MSRV THRUST		N93409-33- 0070	N/A	MSRV SER# N63790-00-0112	1981	REPAIRED	YES	
BEARING ADAPTER 213.MSRV LOWER SPRING WASHER	<del></del>	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	

1. Owner	PPL SUSQUE	HANNA, LLC		Date	02	-JUNE-2003	
769 \$	SALEM BLVD, BERW	···-		Sheet	20 of	25	
	Address						
2. PlantSl	JSQUEHANNA STEAM		10N	Unit		Two	
	Naw	E					
<u>769 S</u>	SALEM BLVD, BERW	ICK, PA 18603				ES 21 THRU 25	
	Address			Re	pair Organizatio	n P.O. No., Job No., etc.	
3. Work Performed by	PPL Su		C	Type Code Syr	nbol Stamp	NONE	
		NAME					_
769 9	SALEM BLVD, BERW	ICK, PA 18603		Authorization N	10.	N/A	
	Address						· <del>-</del>
				Expiration Date	·	N/A	·
4. Identification of Sy	stem		REACTOR \	/ESSEL 2	262A-I		
	nstruction Code tion of Section XI Utilize		71 Edition		_ Addenda,	No Co	ode Case
6. Identification of Co	mponents Repaired or	Replaced and Repla	acement Compo	nents			
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

N/A

24-49

2001

REPLACEMENT

YES

GE

00S12191

228.IN-CORE

DRY TUBE

1. Owner	· F	PPL SUSQUE		LLC		Date	02-	JUNE-2003	
	769 SALEM	BLVD, BERW	ICK, PA	18603	<del></del>	Sheet	_21_ of	25	
2. Plant	SUSQUE	HANNA STEAI		RIC STATIC	DN	Unit	····	Two	
	769 SALEM	BLVD, BERW	ICK, PA	18603	<del></del>			S 21 THRU 25	
3. Work Per	rformed by	PPL Su	SQUEHA Name	NNA, LLC	<del>-1</del>	Type Code	Symbol Stamp	Non	<u>e</u>
	769 SALEM E	BLVD,_BERW	ICK, PA	18603		Authorization	n No.	N/A	
		ADDRESS			<del></del>	Expiration D	Date	N/A	
4. Identifica	ation of System				REACTOR VE	SSEL	262A-I		
	licable Construction	. —	_	71 Edition, pairs or Repla		_ Addenda, _89	No	Code Case	
6. Identifica	ation of Componen	Is Repaired or	Replaced	and Replace	ement Compone	ents		Star Star	

ITEM No	CRF/	DESCRIPTION OF WORK	YEAR /	YEAR / CODE TESTIN			PRESSURE TEST		
	PCWO		ADDENDA	CASES		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 <b>°</b> 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 <b>°</b> F		

	PPL SUSQUEHA	NNA, LLC	Date	02-Juni	E-2003
769 SALEM		k, PA 18603	Sheet		25
SUSQUE		LECTRIC STATION	Unit	Tw	o
769 SALEM	BLVD, BERWICK	k, PA 18603			
formed by		UEHANNA, LLC			None
769 SALEM	BLVD, BERWICH	c, PA 18603	Authorization	n No.	N/A
	ADDRESS		Expiration Da	ate	N/A
ation of System	<u>.</u>	REAG	CTOR VESSEL	262A-I	
			·	No	Code Case
	769 SALEM SUSQUE 769 SALEM formed by 769 SALEM ation of System icable Construction	769 SALEM BLVD, BERWICH Address  SUSQUEHANNA STEAM E NAME  769 SALEM BLVD, BERWICH Address formed by PPL SUSQ  769 SALEM BLVD, BERWICH ADDRESS attion of System icable Construction Code III 1	769 SALEM BLVD, BERWICK, PA 18603 Address  SUSQUEHANNA STEAM ELECTRIC STATION NAME  769 SALEM BLVD, BERWICK, PA 18603 Address formed by PPL SUSQUEHANNA, LLC NAME  769 SALEM BLVD, BERWICK, PA 18603 ADDRESS ation of System REAG icable Construction Code III 19 71 Edition, It	T69 SALEM BLVD, BERWICK, PA 18603  Sheet  Address  SUSQUEHANNA STEAM ELECTRIC STATION  NAME  T69 SALEM BLVD, BERWICK, PA 18603  Address  formed by PPL SUSQUEHANNA, LLC  NAME  T69 SALEM BLVD, BERWICK, PA 18603  Address  Address  FOR SALEM BLVD, BERWICK, PA 18603  Authorization  ADDRESS  Expiration Direction of System  REACTOR VESSEL  icable Construction Code III 19 71 Edition, thru W72 Addenda,	Tops Code Symbol Stamp  NAME  769 SALEM BLVD, BERWICK, PA 18603  SUSQUEHANNA STEAM ELECTRIC STATION  NAME  769 SALEM BLVD, BERWICK, PA 18603  Address  Formed by PPL SUSQUEHANNA, LLC  NAME  769 SALEM BLVD, BERWICK, PA 18603  AUthorization No.  ADDRESS  Expiration Date  REACTOR VESSEL  22 of  Two  Two  Two  Two  Two  Two  Two  T

ITEM No	CRF/	DESCRIPTION OF WORK	YEAR /	CODE	TESTING	PRES	
	PCWO		ADDENDA	CASES		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

1. Owner	PPL SUSQUEHANNA, LLC	Date	02-June-2003
	769 SALEM BLVD, BERWICK, PA 18603	Sheet 23	3 of
2. Plant	SUSQUEHANNA STEAM ELECTRIC STATION	Unit	Two
	769 SALEM BLVD, BERWICK, PA 18603		PAGES 21 THRU 25
3. Work Per	rformed by PPL SUSQUEHANNA, LLC	Type Code Symbol S	tamp None
	769 SALEM BLVD, BERWICK, PA 18603	Authorization No.	N/A
<del></del>	ADDRESS	Expiration Date	N/A
4. Identifica	ation of System RE	ACTOR VESSEL 262A-	
. ,	licable Construction Code III 19 71 Edition, olicable Edition of Section XI Utilized for Repairs or Replace	thru W72 Addenda, No nents 19 89	Code Case
6. Identifica	ation of Components Repaired or Replaced and Replaceme	nt Components	

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRES	ST
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	PRESS 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

1. Owner _		PPL Su	SQUEHAN NAME	NA, LLC			Date	02-Ju	JNE-2003
	769 SALEM	BLVD, E	BERWICK,	PA 1860	03		Sheet		25
2. Plant _	Susqui	EHANNA S		ECTRIC S	TATION	<u> </u>	Unit	· · · · · · · · · · · · · · · · · · ·	Гwо
	769 SALEM	BLVD, E		PA 1860	03			SEE PAGES 2	
3. Work Perfo	med by	PP		EHANNA, I	LLC_		Type Code	Symbol Stamp	None
	769 SALEM			PA 1860	)3		Authorizati	оп <b>N</b> o.	N/A
		ADDRE	<b>5S</b>				Expiration	Date	N/A
4. Identification	on of System				F	REACTOR VI	SSEL	262A-I	
	able Construction of				dition, Replac	thru W72	Addenda,	No	Code Case
6 Identification	on of Compone	ents Repair	ed or Repla	iced and Ri	enlacer	ment Compone	ents		

ITEM No	CRF /	DESCRIPTION OF WORK	YEAR /	CODE	TESTING	PRES	
	PCWO		ADDENDA	CASES		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

T69 SALEM BLVD, BERWICK, PA 18603   Sheet   25 of	-2003	02-JUNE-20	Date		PPL Susqui	1. Owner	
T69 SALEM BLVD, BERWICK, PA 18603  Address  Repair Organization P.O. No.,  Repair Organization P.O. No.,  Repair Organization P.O. No.,  Type Code Symbol Stamp  NAME  769 SALEM BLVD, BERWICK, PA 18603  ADDRESS  ADDRESS  Expiration Date	25	of	Sheet	ICK, PA 18603			
Address Repair Organization P.O. No.,  3. Work Performed by PPL SUSQUEHANNA, LLC Type Code Symbol Stamp  NAME  769 SALEM BLVD, BERWICK, PA 18603 Authorization No.  Expiration Date	)	Two	Unit			2. Plant	
769 SALEM BLVD, BERWICK, PA 18603 Authorization No.  ADDRESS Expiration Date		SEE PAGES 21 THRU pair Organization P.O. No., Jo	R	769 SALEM BLVD, BERWICK, PA 18603			
ADDRESS Expiration Date	None	nbol Stamp _	Type Code Sy		rformed by PPL St	3. Work Per	
Expiration Date	N/A	lo	Authorization	ск, PA 18603			
4. Identification of System REACTOR VESSEL 262A-I	N/A		Expiration Dat		ADDRESS		
		:62A-I	VESSEL	REACTO	ation of System	4. Identifica	
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No C (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89	Code Case	No Cod					

ITEM No	CRF/	DESCRIPTION OF WORK	YEAR/	CODE	TESTING	PRES	SURE ST
	PCWO	DESCRIPTION OF WORK	ADDENDA	CASES	realing,	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	1989 Ed No Ad	N/A	SE-200-002 ISI-03-630	1041 PSIG	146 °F

1971 Ed S73 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

\*\*Revised March 4, 2003.

DET THUE-4-MAR-Q3

KUR 3.4-0-3

\*Revised August 15, 2002. DETAIL -02

Q.C.-392 Sheet 1 of 2

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

Manufactured and certified by				MA 02093
	()	lame and Address of N (	•	
Manufactured for		PPL SERVICES COR		
	(Name	and Address of Purchase	r or Owner)	
Location of Installation		SUSQUEHANNA	SES	
		(Name and Addres		
Type DS-C-63790-4REV.A	BELOW	BELOW	•••	2002
	(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)
ASME Code, Section III, Division 1		NO ADDENDA	1	**1711 - DFT
TOTAL COOL CONTRACT	(edition)	(addenda date)	(class)	(Code Case No.
Fabricated in accordance with Const	, ,		Revision —	Date -
Fabricated in acceptance with control	. орос. (рит. 2 ошу)	(no.)	<u> </u>	. Daw
Remarks SPINDLE POINT MAT	EDIAL ACTALACEA	, ,	140 000	
Remarks SPINDLE POINT MATE				
SPINDLE BALL MATE	KIVIT - VOIM WT/0 I	IPE 440C - LENSILE -	N/A	
Nom. thickness (in.) Min. c				rell (ft & ir.)
When applicable, Certificate Holden	data reports are attacl	ed for each item of this	report.	
De des de la constanción	<b>37_4!</b>	Them are 4		31-4
Part or Appurtenance	National	Part or Appr		National
Serial Number	Board No.	Serial Ni		Board No.
TODAS 64 AAAA	in Numerical Order	40	ı	Numerical Order
1) K82137-56-0093		(26)	<del></del>	- · · · · · · · · · · · · · · · · · · ·
2) K82137-56-0094		(27)		
3) K82137-56-0095		(28)		***************************************
K82137-56-0096		(29)		
K82137-56-6696- 0097 DET		(30)		
5) <u>LIA</u> 15-AX	~or	(31)		
87,337		(32)		
		(33)		***************************************
"		(34)		
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1)	<del></del>	(36)		
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4)	<del></del>		. for for head a *	Later than the Company of the Compan
6		(41)		
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7) g)	<del></del>	(43)		
9)		(44)	•	
		(45)		
0)		(45)		
2)		(47)		
3)		(48)		
		(49)	<del></del> _	<del></del>
45				
4) 5)	<del></del>	(50)	<del></del>	

(when applicable)

Supplemental information in the form of lists, stenches, or drawings may be used provided (1) size is \$-1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) such 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

Tillicate	HOIGET	2 Serial	NO.	K82131	-20-0033

	Certificate Holder's Serial I	10. 102107-00-0030	
	CERTIFICATE C	OF DESIGN	
Design specifications certified by	C.T. NIEH (when applicable	P.E. State CA	Reg. no. <u>15587</u>
Design report* certified by	(when applicable)	P.E. State	Reg. no
	CERTIFICATE OF	<del> </del>	
We certify that the statements made conforms to the rules of construction			emblies
** NPT Certificate of Authorization No	N-1877 Expires Anderson Greenwood	Sep. 30, 2004 *	ETWO
Date 7-AUG-02 Signed	Wrentham, MA (NPT Certificate Hol		zed Representative)
* 15-AUG-07	•	-03 Signed D.E. Falls	zeo Representative)
I, the undersigned holding a valid constant of Province of Massachuset of Iohnston Rhode Island 200 has fabricated these parts or appurted been authorized for stamping on the of By signing this certificate, neither the	and state that to the best ances in accordance with the late shown above.  Inspector nor his employer n	mai Board of Boiler and Pressure Factory Mutual Insurance Co.  d these items described in this D of my knowledge and belief, the ASME Code, Section III, Divisionakes any warranty, expressed on	ata Report on Certificate Holder on 1. Each part listed has implied, concerning
the equipment described in this Data I manner for any personal injury or pro		ind arising from or connected w	
1hel	<u>62</u> .		14-1418
Signed (Authorized Ins		missions ///504/ (Nat'l. Bd. (incl. endorsement	(S) and state or move and no )



Flow Control

Rita Westberg Q.A. Record Specialist

Anderson Greenwood Croeby 43 Kendrick Street Wrentham, MA 02093

Tele: 508-384-4534 fax: 508-384-7984

e-mail:

rwestberg@tycovalves.com

#### Telefax Transmission

This factimile transmission may contain confidential and/or attorney/client information belonging to the sender. This information is intended only for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, or the employee or agent responsible to the intended recipient, you should return to sender immediately. You are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this telecopied information is strictly prohibited.

Date: 04 MARCH 03.

company: PPL Services

Attention: Tony Tier

570 542 3898

From:

U483180000 Data Report Revision Subject:

Number of pages (including this 3

10. Design pressure

#### 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 ifactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093 1. Manufactured and certified by (Name and Address of N Certificate Holder) 2. Manufactured for PENNSYLVANIA POWER & LIGHT CO. (Name and Address of Purchaser or Owner) SUSQUEHANNA STATION 3. Location of Installation (Name and Address) 185,000 2001 4. Type DS-A-63790-4 REV A SA637 GR.718 (CRN) (mat'l. spec. no.) (tensile strength) (drawing no.) (year built) **SUMMER 1975** 5. ASME Code, Section III, Division 1: ... 1974 1711 1 (addenda date) (class) (Code Case No.) 6. Fabricated in accordance with Const. Spec. (Div. 2 only) Revision Date (no.) - Min. design thickness (in.) - Dia. ID (ft & in.) - Length overall (ft & in.) 8. Nom. thickness (in.) 9. When applicable, Certificate Holders' data reports are attached for each item of this report. National Part or Appurtenance National Part or Appurtenance Board No. Serial Number Serial Number-Board No. in Numerical Order in Numerical Order (1) N97499-38-0068 / (26)(2) N97499-38-0069 A (27)(3) N97499-38-0070 (28)(4) N97499-38-0071 (29)(30)(5) N97499-38-0072 / (6) N97499-38-0073 (31)N97499-38-0074 / (7) (32)(33)· (8) (34)(9) (35)(10)(36)(11)(12)(37)(13)(38)(39)(14)(40)(15)(16)(41)(42)(17)(18)(43)(19)(44)(20)(45)(21)(46) (22)(47)(23)(48)(24)(49)(25)(50)

Temp.

psi.

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

• F Hydro, test pressure 2370

at temp. 70

(when applicable)

<sup>•</sup> 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 sumbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial No. N97499-38-0068

CERTIFICATE OF DESIGN						
Design specifications certified by M.R. MJAATVEDT (when appli	P.E. State PA Reg. no. 35285-E					
Design report* certified by (when applicab	P.E. State Reg. no					
CERTIFICATE	OF COMPLIANCE					
We certify that the statements made in this report are correct conforms to the rules of construction of the ASME Code, Se						
NPT Certificate of Authorization No.  N-1877 Expir  Anderson Greenw  Date 17, 2001 Signed Wrentham,  (NPT Certificat	MA by W. Jawague					
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 Johnston Rhode Island have inspected these items described in this Data Report on Massachusett 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 (Authorized Inspector)	Commissions MA-14/8 N  (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)					

P.02

\*\*Revised May 4,2001 Au shin

Q.C.-392 Sheet 1 of 2

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

Manufactured and certified by	Anderson Green	wood Crosby, 43 Kendri	ck St., Wrent	am. MA 02093
-		ame and Address of N C		
Manufactured for	· · · · · · · · · · · · · · · · · · ·	NSYLVANIA POWER &		<b></b> /
		ind Address of Purchaser		
Location of installation	· · · · · · · · · · · · · · · · · · ·	SQUEHANNA SES STO	•	•
	30			
T DC + 40000 4 DF11 A		(Name and Address	5)	
Type <u>DS-A-63790-4 REV 0</u>	SA637 GR.718	185,000		2001
(drawing no.)	(mat'l. spec. no.)	(tensile strength)	(CRN)	you (year built)
ASME Code, Section III, Division		<b>SUMMER 1975</b>	1	**1711 6
	(edition)	(addenda date)	(class)	(Code Case No.)
Fabricated in accordance with Con-	st. Spec. (Div. 2 only)	<b>-</b> R	evision -	- Date
	-	(.0.)		
Remarks		<b>,</b>		
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e				
· · · · · · · · · · · · · · · · · · ·				
Nom. thickness (in.) Min.	design thickness (h.)	- Dis. ID (ft & in.)	Lengti	overall (ft & in.)
When applicable, Certificate Holde	ers' data reports are attac	hed for each item of this	report.	<del></del>
Part or Appurtenance	National	. Pert or Appu	intenance	National
Serial Number	Board No.	Serial Nu		Board No.
	in Numerical Order	•		in Numerical Order
(I) N97499-36-0038		(26)		E 11ED 2110 C1ED
(2) N97499-36-0039	<del> </del>	(27)		
(3) N97499-37-0044		(28)	<del></del>	
(4) N97499-37-0046		(29)		
(5) N97499-37-0047	<del>-                                    </del>	(30)		
(5) N97499-37-0047 (6) N97499-37-0048		(31)		
	•			
ATT BIOTANN ST ANAN		(23)		
(7) N97499-37-0049		(32)		
(8) N97499-37-0050		(33)	*******	
(8) N97499-37-0050 (9) N97499-37-0051		(33)		
(8) N97499-37-0050 (9) N97499-37-0051 (10) N97499-37-0052		(33) (34) (35)		
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• Supplemental information in the form of lists, electrics, or drawings may be used provided (1) size is 6-1/2 x 11. (2) information in home 2 and 3 on this Data Report is included on each shoet. (3) each shoet is numbered and the number of shoets is recorded at the cap of this form.

(when applicable)

formavie3-1001n105:20	CROSBY FMC OA	•	508 384	<b>79</b> 84	P.03
Form N-2 (Back)	Certificate Holder's Serial No. N	197499-36-0038			Q.C392 Sheet 2 of
	CERTIFICATE OF D	ESIGN			
Design specifications certified by	M.R. MJAATVEDT (when applicable)	P.E. State	PA	Reg. 1	10. 35285-E
Design report* certified by	(when applicable)	P.E. State	***	_Reg. 1	<b>2</b> 0
	CERTIFICATE OF COM	PLIANCE			
We certify that the statements me conforms to the rules of construction of Authorization Date 22 Feb. 2001 Sh	ade in this report are correct and that it tuon of the ASME Code, Section III. I No.  N-1877 Expires Ser Anderson Greenwood Crosh Wreutham, MA  (NPT Certificate Holder)	this (these) Disc Division 1.	inserts  Authorized	Represe	atiative)
NPT Certificate of Authorization  Date 22** FrB. 2001 Skg	ade in this report are correct and that it tuon of the ASME Code, Section III. I No.  N-1877 Expires Ser Anderson Greenwood Crosh Wreutham, MA  (NPT Certificate Holder)	his (these) Disc Division 1.	4 <i>550</i>	Represe	ntative)

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.

(Authorized inspector)

Commissions

05-04-01

Date

(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

\*\*Revised 3/23/01 3/23/01 3/3/

Q.C.-392 Sheet 1 of 2

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

	As required by the Provisio	ns of the ASME Code, Sect	ion III. Division 1 - Not to Exceed (	One Day's Production
1.	Manufactured and certified by		ive Inc., 43 Kendrick St., Wreutham	
	• .		ame and Address of N Certificate He	
2.	Manufactured for	•	SYLVANIA POWER & LIGHT	,
			nd Address of Purchaser or Owner)	
3.	Location of Installation	•	QUEHANNA SES STOREROOM	
•			(Name and Address)	at I.
4.	Type DS-A-63790 REV.E	ASME SA182 GR.F316	75 000 - 3/37/61	1998
	(drawing 10.)	(mat'l spec, no.)	Licensing angulation by Togothaki	(year built)
	ASME Code, Section III, Divisi	∞ l: <u>**-1974 1971</u>	* SUMMER 1978	**1711- 7
	Pabricated in accordance with C	(edition) $\mu_{\gamma}$	(classification) (classification)	
6.	Pabricated in accordance with C	const. Spec. (Div. 2 conly) 3		Date
			(no.)	
7.	Remarks			
				<del></del>
R.	Nom thickness (in.) - M	in, design thickness (in.)	- Dia. ID (fi & in.) - Len	gth overall (ft & in.) -
	When applicable, Certificate Ho			
<u>.</u>	77444			
	Part or Appurtenance	National	Part or Appurtenance	National
	Serial Number	Board No.	Serial Number	Board No.
	<b>50</b> 5150	in Numerical Order		in Numerical Order
	(I) N93184-57-0175	-	(26)	1
	(2) N93184-57-0176		(27)	
	(3) N93184-57-0177		(28)	
	(4)		(29)	
	(3)		(30)	
	(5)		(30)	
	(6)		(30) (31) (32)	
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	(6) (7) (8) (9) (10) (11) (12) (13) (14)		(31) (32) (33) (34) (35) (36) (37) (38) (39) (40)	
	(6) (7) (8) (9) (10) (11) (12) (13) (14)		(31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42)	
	(6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18)		(31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43)	
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(when applicable)

<sup>•</sup> Applicational information in the form of lists, attention, or destrings may be used provided (1) stire is \$-1/2 x 11, (2) information in items 2 and 3 on this literal flapout is included on each about, (3) each about in manifested and the number of abouts in processed at the top of this form.

Q.C.-392 Sheet 2 of 2

Form N-2 (Back)

\* Factory Montal System

Certificate Holder's Serial Nos. N93184-57-0175

CERTIFICATE OF DE	SIGN	
Design specifications certified by C.T. NIEH	P.E. State	CA Reg. no. 15587
(when applicable)		
Design report* certified by	P.B. State	Reg. no.
(when applicable)		
CERTIFICATE OF COMP	LIANCE	
We certify that the statements made in this report are correct and that this		s ·
conforms to the rules of construction of the ASME Code, Section III, Div	vision I.	Jacque 3/25/01
NPT Certificate of Authorization No. N-1877 Expires 30 Se	p. 2001 AGC	Date
Date 29 AUG 98 Signed Crosby Valve Inc.	by Breth	Croson
(NPT Certificate Holder)	(At	sthorized Representative)
CERTIFICATE OF INSPE	CTION	
I, the undersigned, holding a valid commission issued by the National Box		
the State or Province of Massachusetts and employed by Prof. Norwood Massachusetts have inspected for		
of Norwood Massachusetts have inspected the focus of 28 and state that to the best of my k		
has fabricated these parts or appurerances 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 a concerning the equipment described in this Data Report. Furthermore, ne		
fiable in any manner for any personal injury or property damage or loss of		
inspection. ** //, ///	all Mixo-	Date 3/27/0.
ANI V-25 10 OF ANI	fe ( 10.10	27-37-2
Dan 8 - 38 . 19 77		
Signed fem LS C. Problem Commission	s <u>· /</u>	1A-1418 N'

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

Pg. 1 of 2

1. Manufactured and cert	ified by <u>GE Reuter-Stokes, I</u>	nc., 8499 Darrow Road, 1	[winsburg, Ol	nio 44087
2. Manufactured for	Susquehanna 1/2 - PP&L, Five	e Miles N.E. of Berwick, P	ennsylvania	<del>.</del>
3. Location of installation	Susquehanna 1/2 - PP	&L. Five Miles N.E. of Be	rwick, Pennsy	ivania .
4. Type: RS-E5-1500	1-201 N/A	N/A	N/A	2001
(drawing so)		Bernde strangth)	(CRN)	(year built)
5. ASME Code, Section III		Summer 1973	1	N/A
5. ASIME CODE, Section III	i, Division I	(addenda deta)	(chee)	(Code Case so.)
6. Fabricated in accordance	me with Const. Spec. (Div. 2 only)		N/A	Date N/A
7. Remarks: Cer	tified Design Specification	CDS-C-5600-1		
Cert	tified Design Report	CDR-C-5600-16		•
On 1	File at GE Reuter-Stokes, Inc.			
8. Nom thickness (in )	N/A Min. design thickness (in.)	N/A Die ID (ft & in.)	N/A Lenot	overall (ft & in.) N/A
	icate Holders' Data Reports are atta			
y. When applicable, Certif	TOTALE LIDICISIS DAM Reports are auto	ched for each tent of this rep	OTE	
			<del></del>	
Part or Appurtenance	National .	Part or Appurter		National
Serial Number	Board No.	Serial Numb	er )	Board No.
	in Numerical Order			in Numerical Order
(1) 00512190	N/A	(26)		
(2) 00512191	N/A	(27)		
(3)		(28)		<del>,</del>
(4)		(29)		
(5)		(30)		
(6)		(31)	<del></del>	,
$\mathcal{O}$		(32)		
(8)		(33)		· ·
(9)		(34)		•
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(11)		(36)	· · ·	· · · · · · · · · · · · · · · · · · ·
(12)		(37)		
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		(46)		<del></del>
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(23)	<del></del>	(48)		
(24) .		(49)		
F776.1		: : : : : : : : : : : : : : : : : : : :	, ,	L. Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Carlotte and Car

<sup>10.</sup> Design pressure 1250 PSIG psi. Temp. Vessel 575°F. Seal 300°F. Hydro. test pressure 1925 PSIG at temp. 69 °F.

<sup>&</sup>quot;Supplemental information in the form of Ests, sketches, or drawings may be used provided (1) size in \$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.

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 <u>CA</u>	Reg. no.	MF348				
Design report* certified by	Surinder L. Kampani (when spplicable)	P.E. State OH	Reg. no.	E-034113				
	CERTIFICATE OF CO	OMPLIANCE						
We certify that the statements made conforms to the rules of construction	in this report are correct and that n of the ASME Code, Section III,	t this (these) <u>Assemb</u> Division 1.	lies .	· · · · · · · · · · · · · · · · · · ·				
NPT Certificate of Authorization No		Expires	September 1					
Date January 30, 2001	Name <u>GE Reuter-Stokes, Inc.</u> (NPT Candous Holder)	. Signed Kibert	1. Chandle (authorized expressors	display				
	CERTIFICATE OF IN	SPECTION						
I, the undersigned, holding a valid State or Province of OHIO	and employed byH.S.B.	I. & I. Co. of	HARTFORD	), CT				
have inspected these items described knowledge and belief, the Certificat Section III, Division 1. Each part list	e Holder has fabricated these pe ed has been authorized for stamp	arts or appurtenances in sing on the date shown a	accordance with bove.	the ASME Code,				
By signing this certificate, neither the equipment described in this Data Re any personal injury or property dam	port. Furthermore, neither the in	ispector nor his employ	er shall be tiable t	d, concerning the n any manner for				
Date <u>1-30-2001</u> Signed _	Hesbert Campbell		IT CABN  id. (incl. endomernens) and	0h:01716				
	<del></del>							

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

Manufactured and certified by	As required by the Provisions	of the ASME Code, Sec	tion III, Division 1 - N	ot to Exceed One	Day's Production				
2. Manufactured for									
Name and Address of Purchaser or Owner)		(N							
1.   Location of Installation	2. Manufactured for	. PENI	NSYLVANIA POWER	& LIGHT					
1.	• • •	(Name a	and Address of Purchas	er or Owner)					
A. Type DS-A-63790-4 REV.A   SEE BELOW   BELOW   Carwing no.)   (mat'1. spec. no.)   (tensile strength)   (CRN)   (year built)	3. Location of Installation	•	SUSOUEHANNA STO	REROOM					
A. Type   D\$-A-63790-4 REV.A   SEE BELOW   BELOW   CRN   (year built)	<u>ai</u>								
Carwing no.   (mat'l. spec. no.)   (tensile strength)   (CRN)   (year built)	4. Type DS-A-63790-4 REV.A	SEE BELOW	•		2001				
5. ASME Code, Section III, Division 1: 1971				(CRN)					
Code Case No.   Code Case No			•	1	•				
6. Fabricated in accordance with Const. Spec. (Div. 2 only)	J. 730112 COO, 5001102 111, 2112101			(class)					
Co.   Co.	6 Eshricated in accordance with Cons	•	. (	, ,	•				
Remarks	o. I gorizated in accordance with con-	iii opcoi (Divi I omj)	(no )						
SPINDLE BALL MATERIAL - A276 TYPE 440C - TENSILE - N/A	7 Damiele CDINDIE MATEDIAI	A SKA TVDE KIN - TEI		•					
Nom. thickness (in.)									
9. When applicable, Certificate Holders' data reports are attached for each item of this report.    Part or Appurtenance   Serial Number   Board No. in Numerical Order   Serial Number   Board No. in Numerical Order   Serial Number   Seria	SPINDLE BALL MAI	CRIAL - AZ/O 117E 44	C - IENSILE - N/A		<u> </u>				
9. When applicable, Certificate Holders' data reports are attached for each item of this report.    Part or Appurtenance   Serial Number   Board No. in Numerical Order   Serial Number   Board No. in Numerical Order   Serial Number   Seria	S Non this mass (in ): Min	dacion thickness (in )	Die ID (6 % is	I enoth	overall (ft ft in )				
Part or Appurtenance   Serial Number   Board No. in Numerical Order					Overall (it & m.)				
Serial Number   Board No.   Serial Number   Board No.   in Numerical Order    -(1)   K82137-55-0085	9. When applicable, Certificate Holde	is data reports are attact	ted for each term of th	s report.	<u>.                                  </u>				
Serial Number   Board No.   Serial Number   Board No.   in Numerical Order    -(1)   K82137-55-0085	Part or Appurtenance	National	Part or Ar	murtenance :	National				
- (1) K82137-55-0085									
- (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) (44) - (20) (45) - (21) (46) - (22) (47) - (23) (48) - (24) (49) - (25) (50)	Co. Mr. 14mmCr.		. 50.20						
-(2) K82137-55-0086 (27) -(3) K82137-55-0087 (28) -(4) K82137-55-0088 (30) -(5) K82137-55-0089 (30) -(6) K82137-55-0090 (31) -(7) K82137-55-0091 (32) -(8) K82137-55-0091 (32) -(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) * F Hydro. test pressure at temp *	- (1) K82137-55-0085		<b>ന</b> ്മ						
-(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) (25) (50)  10. Design pressure psi. Temp * F Hydro. test pressure at temp *	` '	***							
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-(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) (25) (50)	***								
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(8) K82137-55-0092	- (6) K82137-55-0090		(31)						
(9)	-(7) K82137-55-0091		(32)						
(10) (35) (11) (36) (12) (37) (13) (38) (14) (39) (15) (40) (15) (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 °	··(8) K82137-55-0092	***	(33)						
(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) (50)									
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(15)       (40)         (16)       (41)         (17)       (42)         (18)       (43)         (19)       (44)         (20)       (45)         (21)       (46)         (22)       (47)         (23)       (48)         (24)       (49)         (25)       (50)									
(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 *					<del></del>				
(17)				<del></del>	-				
(18) (43) (19) (44) (20) (45) (21) (46) (22) (47) (23) (48) (24) (25) (50) (50) (50) (50)		<del></del>							
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(20)	(19)	<del></del>							
(21)		<del></del>							
(22) . (47) . (23) . (48)		· . <del>- · . · · · · · · · · · · · · · · · · · </del>		<del> </del>					
(23)					<del></del>				
(24) (49) (50) (50) at temp. — psi. Temp. — F Hydro. test pressure — at temp. — °									
(25)		<del></del>							
10. Design pressure psi. Temp * F Hydro. test pressure at temp *		- <del> </del>			<del></del>				
· · · · · · · · · · · · · · · · · · ·									
· · · · · · · · · · · · · · · · · · ·	10. Design pressure - n	si. Temp	F Hydro, test pressu	re	at temp ° F				
ANDER EMBRESON					·				

\* 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 67007-2300

Certificate Holder's Serial No. K82137-55-0085

CERTIFICATE OF DESIGN							
Design specifications certified by <u>C.T. NIEH</u> P  (when applicable)	.E. State <u>CA</u> Reg. no. <u>15587</u>						
	.E. State Reg. no						
CERTIFICATE OF COMPLIAN	CE						
We certify that the statements made in this report are correct and that this (these) conforms to the rules of construction of the ASME Code, Section III, Division 1							
NPT Certificate of Authorization No.  N-1877 Expires Sep. 30, 200  Anderson Greenwood Crosby  Date May 18 0 Signed Wrentham, MA by  (NPT Certificate Holder)	(Authorized Representative)						
CERTIFICATE OF INSPECTIO	N.						
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 Iohnston. Rhode Island have inspected these items described in this Data Report on 1ohnston. Rhode Island have inspected these items described in this Data Report on 1ohnston. Province of 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 ~						

1. Owner		PPL SUSQUEHANNA, LLC Date 03 JUNE-2003						
	769 SAL	EM BLVD, BERWI		·	Sheet1	of	3	
2. Plant	Susc	QUEHANNA STEAM	ELECTRIC STAT	TION .	Unit		Two	
_	760 641	NAME	-	<u></u>		See D	AGE 3 OF 3	
	709 SAL	EM BLVD, BERWI Address	CK, PA 18603		Rep		n P.O. No., Job No., etc.	<del></del>
3. Work Perfe	ormed by	PPL Sus	SQUEHANNA, LL	<u>C</u>	Type Code Sym	bol Stamp	None	
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Authorization No	o	N/A	
		Address			Expiration Date	-	N/A	
4. Identificat	tion of Syster	m	Recif	RC. WATER LO	OPS AND JET PU	MPS 26		
		uction Code	<u>                                     </u>	71 Edition	thru W72	Addenda,		ode Case
		of Section XI Utilize		•				
6. Identificat	tion of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			
Nam Comp	ne of conent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
t. PUMP	1	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. LARG	E PIPE SSEMBLY	BECHTEL	N/A	N/A	DCA241-1	1983	REPLACED	YES
4. LARG	E PIPE SSEMBLY	PPL	N/A	N/A	DCA241-1	2003	REPLACEMENT	No
5. LARG	E PIPE SSEMBLY	BECHTEL	N/A	N/A	VRRB31-3	1983	REPLACED	YES
6. LARG	E PIPE SSEMBLY	PPL	N/A	N/A	VRRB31-3	2003	REPLACEMENT	No
7. LARGI SUBA	E PIPE SSEMBLY	BECHTEL	N/A	N/A	VRRB31-4	1983	REPLACED	YES
7. Description	on of Work			SEE	PAGE 30F 3		t MAT vander var i t	
8. Tests Co		Hydrostatic Dother Pres	Pneumatic sure		Operating Pressure st Temp.	X *F	SEE PAGE 3	OF 3
tion in		ntal sheets in form or ough 6 on this report of this form.						

(12/82)

### FORM NIS-2 (Back)

Remarks None	
Apolicable Manufacturer's Data Reports to be attached	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in the report are correct and this REPLACEMENT	conforms to the rules of the
ASME Code, Section XI.	-
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration	N/A
Signed Signed Date June	17 ,20 03
Owner or Owner's Designee, Title Welding Engineer .	
	<del></del>
CERTIFICATION OF INSERVICE INSPECTION	J
t, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressu or Province ofPENNSYLVANIA and employed byFACTORY MUTUAL INSU	re Vessel Inspectors and the State RANCE CO. of
JOHNSTON, RHODE ISLAND have inspect	ed the components described
	and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken correc Owner's Report in accordance with the requirements of the ASME Code, Section XI.	tive measures described in this
By signing this certificate neither the inspector nor his employer makes any warranty, expressing the section of the section o	ed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the	ne Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind aris inspection.	ing from or connected with this
	- 0 415 2. 2204
Ulliam 7. Regun III Commissions N8 7980 A, N, 1 Inspector's Signature National Board, State	2,000 FA 2207
	8, FIOVINCE, and Endoisonions
Date JUNE 18 20 0.3	

1. C	owner	PPL SUSQUE			Date	03-	-JUNE-2003	
_	769 SAI	LEM BLVD, BERW	···-	i, coopera	Sheet	2 of	3	
2. P	lant Susc	QUEHANNA STEAM		TION	Unit		Two	
_	769 SAI	LEM BLVD, BERW	_		Re		AGE 3 OF 3	
3. W	Vork Performed by	PPL Su	SQUEHANNA, LL	<u> </u>	Type Code Syr	nbol Stamp	None	
_	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization N	lo	N/A	
		Aodiess			Expiration Date	·	N/A	<u>.</u>
4. 1	dentification of Syste	m	RECIR	C. WATER LO	OPS AND JET P	UMPS 26	4B-I	
	(a) Applicable Constr (b) Applicable Edition Identification of Comp	n of Section XI Utilize	ed for Repairs or Re	eplacements 19	89	Addenda,		ode Case
	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
1		I.	1	1 1		1	l	1

1. Owner		PPL Susc	UEHANN.	A, LLC	Date	03-	JUNE-2003		
	769 SALEM	BLVD, BE	RWICK, F	PA 18603	Sheet	of	3		
2. Plant	Susqui		EAM ELE	CTRIC STATION	Unit		Two		
	769 SALEM BLVD, BERWICK, PA 18603				SEE BELOW  Repair Organization P.O. No., Job No., etc.				
3. Work Per	. Work Performed by		SUSQUEI	HANNA, LLC	Type Cod	de Symbol Stamp	None		
	769 SALEM	BLVD, BE	RWICK, F	PA 18603	Authoriza	ation	N/A		
,		ADDRESS			Expiration	n Date	N/A		
4. Identifica	ation of System			RECIRC. W	ATER LOOPS AND J	ET PUMPS 264	4B-I		
	icable Constructi	_	III 19 tilized for F	71 Edition,Repairs or Replacen	thru W72 Addend	a, No	Code Case		
6. Identifica	ation of Compone	ents Repaired	or Replac	ed and Replaceme	nt Components				

ITEM No	CRF /	TO DESCRIPTION OF WORK I	YEAR /	CODE	TESTING	PRESSURE TEST	
	PCWO		ADDENDA	CASES		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

1. Owner	PPL Susque	EHANNA, LLC	<del></del>	Date09-JUNE-2003				
769 S	ALEM BLVD, BERW	rICK, PA 18603	l	Sheet	of	3	···	
2. Plant SU	SQUEHANNA STEAM		TION	Unit		Two		
769 S	ALEM BLVD, BERW	-			SEE F	AGE 3 OF 3		
	Address			R	epair Organizati	on P.O. Na., Job No., etc.	<del></del>	
3. Work Performed by	PPL Su	SQUEHANNA, LL NAME	C	Type Code Sy	mbol Stamp	None		
769 SA	ALEM BLVD, BERW	ICK, PA 18603		Authorization	No	N/A		
	, mail 633			Expiration Dat	e	N/A		
4. Identification of Syst	em	PRIMARY CON	TAINTMENT A	MOSPHERE CO	NTROL	273A-II		
5. (a) Applicable Cons (b) Applicable Edition	truction Code on of Section XI Utilize					. Co	de Case	
6. Identification of Com	ponents Repaired or I	Replaced and Repl	acement Compo	onents				
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	
			<u> </u>				l	
7. Description of Work	<del></del>	<del></del>	SEE	PAGE 3 OF 3				
8. Tests Conducted:	Hydrostatic Dther Pres	Pneumatic sure	_	Operating Pressure st Temp.	e X	SEE PAGE 3 (	OF 3	
	ental sheets in form or		r drawings may	be used, provided				

recorded at the top of this form.

#### FORM NIS-2 (Back)

	eets Attached Applicable Manufacturer	s Data Reports to be attached	<del></del>
	<del></del>	<del></del>	
	OEDTITIO 1 710 11 4		· · · · · · · · · · · · · · · · · · ·
	CERTIFICATION (		
We certify that the statements made in	the report are correct :	and this Repair Replacement	conforms to the rules of the
SME Code, Section XI.		repair or replacement	_
Type Code Symbol Stamp		N/A	
Codificate of Authorization No.	A2/A	Eveloation	
Certificate of Authorization No.	N/A	Expiration	N/A
Signed Signed	7	Date / UNF	20 07
Owner or Owner's Designee, Titte	Welding Engineer	•	
CER1	TEICATION OF INS	SERVICE INSPECTION	
The second secon	*** ****		
the undersigned, holding a valid commission Province of PENNSYLVANIA	in issued by the National and employed by	I Board of Boiler and Pressui FACTORY MUTUAL INSUI	re Vessel Inspectors and the State RANCE CO. of
JOHNSTON, RHODE ISLAND		have inspects	ed the components described
this Owner's Report during the period the best of my knowledge and belief, the O	3.20-01	to 4 · l O ·	
wher's Report in accordance with the requi	rements of the ASME Co	aminations and taken correct ode. Section XI.	ive measures described in this
By signing this certificate neither the Inspe	ector nor his employer m	nakes any warranty, expresse	
xaminations and corrective measures described half be liable in any manner for any persona			
nambe hable in any manner for any persona ispection.	il injury or property dam	age or a loss of any kind arisi	ng from or connected with this
11. 00		NO3000 4 4	5 D 46 PA 224 1
Inspector's Signature	Commiss	sions NB7980 A, N National Board, State	F. B. N.S. PA 220 4 p. Province, and Endorsements
Highorita Alliera		radonal bould, Class	,
ate JUNE 23 20 03			

1. Owner _		PPL SUSQUE			Date	09	-JUNE-2003	
,	769 SAL	EM BLVD, BERW	<u>-</u>		Sheet	of	3	
2. Plant	Susc	QUEHANNA STEAM		10N	Unit		Two	
,	769 SAL	EM BLVD, BERW	ICK, PA 18603				PAGE 3 OF 3	
3. Work Perform	ned by _	Address PPL SU:	SQUEHANNA, LL(	<u> </u>		Kepair Organizati Symbol Stamp	on P.O. No., Job No., etc.  NONE	<u> </u>
	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization	n No	N/A	
		Address			Expiration D	ate	N/A	
4. Identification	n of System	n	PRIMARY C	CONTAINMEN	T ATMOSPHERI	CONTROL	273A-II	
(b) Applicat	ble Edition	uction Code of Section XI Utilize onents Repaired or I	d for Repairs or Re	placements 19	89 NO AI	Addenda DDENDA	, <u>No</u> C	ode Case
Name o Compon		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 I	Disc	VALCOR	HX1	N/A	SV2571031	3 1990	REPLACEMENT	YES
9. SMALL F		PPL	N/A	N/A	SPHCB261-	1 1991	REPLACED	No
10. SMALL F		PPL	N/A	N/A	SPHCB261	1 1991	REPLACEMENT	No

**SUB ASSEMBLY** 

1. Owner		PPL SUSQUEHANNA, LLC	Dat	<del></del>	09-JUNE-2003			
	769 SALE	M BLVD, BERWICK, PA 18603	Sheet	t .	<u>   3                                 </u>	f	3	
2. Plant	Susqu	Address JEHANNA STEAM ELECTRIC STATION	Unit			Two		
	769 SALE	M BLVD, BERWICK, PA 18603				BELOW	. =	
		Address		Repair	r Organization	n P.O. No., J	lob No., etc.	
3. Work Per	formed by	PPL SUSQUEHANNA, LLC	Туре	Code Symb	ol Stamp		No	ne
	769 SALE	M BLVD, BERWICK, PA 18603	Autho	orization			N/A	<u>.</u>
		AUCRESS	Ехріга	ation Date	<u></u>		N/A	
4. Identifica	ation of System	PRIMARY CONTAIN	TMENT ATMOSPHE	ERE CONTI	ROL	27	73A-II	
		tion Code <u>III</u> 19 <u>71</u> Edition, f Section XI Utilized for Repairs or Replace		-1100,	lone IDA		Code	Case
6. Identifica	ation of Compon	ents Repaired or Replaced and Replacem	ent Components					÷
ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TEST	TING	PRES: TE	
							PRESS	TEMP
1, 2, & 3	01-273-001 319789	REPLACE DISC, REMOVE & INSTALL BODY TO BONNET TACK	1980 Ed W80 Ad	NONE	No	NE	N/A	N/A
445-140	01 272 002	DISC & ROUNET DED! ACEMENT BY OFM	1086 Ed No Ad	MONE	No	ME	NI/A	NI/A

1971 Ed W72 Ad

319267

SERVICE ORDER 171093-C REMOVE AND REPLACE VALVE & PIPE BY

WELDING

#### · FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLÉAR PARTS AND APPURTENANCES\*** As Required by the Provisions of the ASME Code, Section III

		NOT TO EXCEED	One Day's Production	·	Pg. 1 ot 2				
1.	Manufactured and certified by	Target Rock Corp	: 1966E Broadhollow R	d.; E. Farmingdale, N	NY 11735				
	•		address of NPT Certific						
2,	Manufactured for Pennsylvania Power & Light Co.; Berwick, PA 18603								
	(กละ	ne and address of Pe	ucnaserj						
3.	Location of installationS	isquehanna SES: Be	rwick PA 18603						
			ame and address)						
4.		SA479 316	75 ksi	N/A	1997				
	(drawing no.) - (m	atil. spec. no.)	(tensile strength)	(CRN)	(year built)				
5.	ASME Code, Section III, Division	on 1: 1980 / (edition)	Winter 1980 / (addenda date)	(class) (C	None Code Case no.)				
6.	Fabricated in accordance with	Const. Spec. (Div. 2 o	nly) N/A R	evision <u>N/A</u>	Date <u>N/A</u>				
7.	Remarks: Main Disc Asse	mblý	(110.)						
	Spare part for	vatve model no. 75KK	-211, 75KK-212, 75KK-	216	•				
	- '	£	•						
8.	Nom. Thickness (in.) N/A	lin, design thickness (	in.) N/A Dia ID (ft &	in.) <u>N/A</u> Length ov	rerall (ft & in.) <u>N/A</u>				

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

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

(1) 1142/ (2) 1149/ (3) 1158/ (4) NA (5) (6)	In Numerical Order NA	(26)	In Numerical Order
(2) 1149/ (3) 1158/ (4) NA		(27)	
(3) 1158 / (4) NA (5)		(28)	
(4) NA			· — — — — — — — — — — — — — — — — — — —
(5)		(29)	
	i i	(30)	<del></del>
		(31)	
73	<del></del>	/200	
		1 6 4	
		(36)	<del></del>
		(37)	
		(38)	
		(39)	<del></del>
5		(40)	
5)		(41)	<del></del>
17)		(42)	
(8)		(43)	
9)		(44)	
0)		(45)	
21)		(46)	
20		(47)	
2)		(47)	
(3)		(48)	<del></del>
?5)·		(50)	

(when applicable) Ambient \*Supplemental information in form of less, streethes, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on 6 is 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 (7/81)

#### FORM N-2 (BACK - Pg. 2 of \_2\_)

Certificate Holder's Serial Nos. 1142, 1149, 1158

CERTIFICATION OF DESIGN								
Design specifications certified by _		P.E. State	PA Reg. No. 19875E					
Design report* certified by	(when applicable) Not Applicable (when applicable)	P.E. State	Reg. No					
	CERTIFICATE OF COI	MPLIANCE						
We certify that the statements made conforms to the rules for construction			Parts '					
` .	`	•						
NPT Certificate of Authorization No.	N-1948	Expires	12/12/98					
Oate 12/15/97 Name Target Rock . Signed R.E. Clazier, Manager, Q.E. (NPT Certificate Holder) R.E. Clazier, Manager, Q.E. (authorized representative)								
CERTIFICATE OF INSPECTION								
Lithe 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 have inspected the pump, or valve, described in this Data Report on 12/15/97.  In additional Board of Boiler and Pressure Vessel Inspector of Poston, MA have inspected the pump, or valve, described in this Data Report on 12/15/97.  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 Commissions (Nat'l. Bd. (Incl. endorsements) and state or prov. and no.)								

## 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

ASME Code. Section III: 1986	anna Nuclear 479 75	Power Plan Inome and aedress 5000 DSI	nen t. Berwick	•
Type V52646-5960-1 SA- Meruma As.J Mert. ASME Code, Section III: 1986	479 75	Inome and aedress		
ASME Code, Section III: 1986			NA	1990
ASME Code, Section III: 1986  Fabricated in accordance with Const. Sp.	· NA	unie discublici	4CAN1	frest built) -
	- NO	wiel	<u>7</u>	NA (Code Case no )
PADICALED IN ACCRIBATION WITH COURT OF			•	
		· · · ·	1011	
Remarks: Spare disc for v	alve P/N 233	150001.		······································
Disc has NOT been pres	ruva tackad			HUDON1
Disc has not been pres	sore resten.		marked with	"NPT" and
S/N's HXl and HX2.				
	•			
Nom. thickness (in.) <u>NA</u> Min. desig	n thickness (in.) N	A_ Dia, 10 tft, &	in 1 NA Lena	th overall (It. & in.) NA
When applicable, Gerificate Holders' da				
				•
Part or Appurtenance	National	Part or App	-	National
33.13.	Board No.	Serial N	nupet	Board Number
PN V52646-5960-1 In N	umerical Order		:	in Numerical Order
			: [.	
(1) <u>RX1</u> .	-	(26)	<u>-</u>	<del></del>
1-7	-	(27)		
(3)		(28)		
(5)		(30)	<del>-</del>	
(6)		(31)		
(7)		(32)		<del></del>
(8)		(33)		
(9)		[34]		
(10)		(35)		
(11)		(36)		
(12)		(37)		
(13)		(38)		
(14)		(39)		
(15)		(40)		
(16)		(41)		
(17)		(42)		·····
(16)	<del></del>	(43)		
(19)		(44)		
(20)		(45)		
(21)		146)		
(22)		(47)		
(23)		(48)	<u>-</u>	
(24)		(49)		

#### VALCOR # HX

CERTIFICATE OF DESIGN	•
Design specifications certified by Steven M. Gresdo	P. E. state *(1) Reg. no. *(2)
·	P. E. state_NA Reg. noNA
- CERTIFICATE OF SHOP COMPLIANC	E
We certify that the statements made in this report are correct and that this (these) D. Conform to the rules of construction of the ASME Cace, Section III.	lscs
ASME Certificate of Aut' prization no. N1077	Expires May 6, 1993
Date 07/09/90 Name Valcor Engineering Corp. Signe	de Calabrida Labrata Mannat
CERTIFICATE OF SHOP INSPECTION	••
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Ince of New Jersey and emologed by Factory Mutual System of Norwood, Mays, have inspected these items described in this data report on best of my knowinge and belief, the Certificate Holder has fabricated these parts or activation 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 warrantly, described in this data report. Furthermore, neither the inspector nor his employer shall properly damage or loss of any king arising from or connected with this inspection.  O7/09/90  Signed Commissions	- Allendale Ins. Company - 07/09/90 and state that to the purtenances in accordance with the ASME Code.  expressed or implied, concerning the equipment

\*(1) Pennsylvania \*(2) 20080-E

87

10

CT

1. Owner	Owner PPL SUSQUEHANNA, LLC			Date11 JUNE-2003				
	769 SAL	EM BLVD, BERWI	CK, PA 18603		Sheet1	of	2	<del></del>
2. Plant	Susc	QUEHANNA STEAM	ELECTRIC STAT	ΠΟΝ	Unit		Two	
Z. Flair.	0000	NAME					1110	
	769 SAL	EM BLVD, BERWI Address	ск, РА 18603	· · · · · · · · · · · · · · · · · · ·	Rep		AGE 2 OF 2 n P.O. No., Job No., etc.	
3. Work Perf	ormed by	PPL Sus	QUEHANNA, LL NAME	<u>c</u>	Type Code Sym	bol Stamp	NONE	
	769 SALEM BLVD, BERWICK, PA 18603				Authorization No	D	N/A	
					Expiration Date		N/A	
4. Identificat	tion of Systen	n	N	TAIN STEAM S	STEM	283A-		
		uction Code of Section XI Utilize				Addenda,	No C	ode Case
		onents Repaired or F						
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year - Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALV	E DISC	ANCHOR DARLING	R388	N/A	HV241F016	1975	REPLACED	YES
2. VALV	E DISC	ANCHOR DARLING	s/n - 3	N/A	HV241F016	1981	REPLACEMENT	YES
3. VALV	E DISC	ANCHOR DARLING	s/n - 3	N/A	HV241F016	1981	REPAIRED	YES
<u></u>		<u> </u>				<u> </u>		<u> </u>
7. Description	on of Work	·		SEE	PAGE 2 OF 2		-	
8. Tests Co		-lydrostatic	Pneumatic [ sure		Operating Pressure st Temp.	<b>`</b> F	SEE PAGE 2	OF 2
tion in		ntal sheets in form or ough 6 on this report of this form.						

### FORM NIS-2 (Back)

D. Remarks Manufacturers Data Sheet Attached
Apolicable Manufacturer's Date Reports to be attached
CERTIFICATION OF COMPLIANCE
We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the
REPLACEMENT repair or replacement
ASINE COUR, SECIOI AI.
Type Code Symbol Stamp N/A
Type Code Symbol Stamp
Certificate of Authorization No. N/A Expiration N/A
SIRK DI
Signed Date UNF / , 20. 03
CERTIFICATION OF INSERVICE INSPECTION
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.
Commissions NB 7980 A.N. I. B. NS PAZZO 4   Inspector's Fignature   National Board, State, Province, and Endorsements
Date 10NE 18 2003
$\cdot$

1. Owner		PPL SUSQUEHANNA, LLC	Date		1	1-JUNE-2	2003		
	769 SALEI	Sheet	i .	2	of	2			
2. Plant	Susqu	JEHANNA STEAM ELECTRIC STATION NAME	Unit			Two			
	769 SALE	M BLVD, BERWICK, PA 18603	<del></del>	Repai		SEE BELOW	Job No., etc.		
3. Work Per	ormed by	Туре	Code Symb	ol Stan	np	No	ne		
	769 SALE	M BLVD, BERWICK, PA 18603	Autho	rization			N/A		
		Address	Expira	Expiration Date				N/A	
4. Identifica	tion of System	MAIN	STEAM SYSTEM		283/	4-1			
(b) Appl	icable Edition o	tion Code III 19 71 Edition, f Section XI Utilized for Repairs or Replacements Repaired or Replaced and Replacem	ements 19 <u>89</u>	enda, <u> </u>	No	Co	ode Case		
ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / CODE TESTING TEST				ST		
	10110		ADDENDA	3,320		· ·	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	1	NONE	- N/A	N/A	
				1	ĭ		T		

(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

L (a) Manufactured by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701	·· <del>············</del>
(Na Manufactured See Pennsylvania Power & Light Co. (Susquehanna Station) Allentown, F	A 18101
2. Identification-Certificate Holder's Social No. of Part S/N = 3 No.*1 Bi. No. No.*1	
(a) Constructed According to Drawing No. D7799 Drawing Property Anchor/Darling Valve	: Company
(N) Description of Part Inspected Disc Heat #82387 SA216-NC8	
tel Applicable ASIE Code: Section III, Edition 1971, Addenda dare Wint *72, Ciso No. K/A Gass	1 /
3" 9004 Flex Wedge	
(Brief disconstion of service for which edispending was bringing	
Note: No Disc Hydro Performed	<del></del>
We certify mat the expenses made in this report are correct and this vessel part or appartenance as defined in the forms on the miles of can report on the ASME Code Section III.  (The assertance Design Specification and Stress Report are and the responsibility of the NPT Certificate Helder for parts. As a cone Honor for appartmention is responsible for formishing a separate Design Specification and Stress Report of the appartmention in the expension of the appartment between Design Specification and Stress Report.)	NPT Certif
9117 1981 signed Anchor/Darling Valve Co. ay R& Sammett,	<u>_</u>
Cert Texts of Authorization Expires 4/15/83 Certificate of Authorization No. N1713	
CERTIFICATION OF DESIGN FOR APPURTENANCE (when explicable)	!
200 pt information at 610 ts NO. 81-341	į
Servis matrolis report on 610 - RECORD PACKAGE	
Bones specifications certifier PAGE 165 OF 190 Pref. Est. Sont Rog. No.	<del></del> ;
Seres malvois report certified by Pref. Esp. Sens Log. No.	
CERTIFICATE OF SHOP INSPECTION	
L the undersigned, holding a valid examination issued by the National Board of Beiler and Pressure Vessel lass and the Saste aggregated Pennsylvania and employed by Commercial Union Insurance C of Socion. Basel of Socion Insurance C persul but Report of Socion Insurance C and beiled, the NY? Coruleste Holder has constructed this part in accordance with the ASEC Code Section III.  By signing this certificate, neither the Inspector not his employer makes my warrang, expressed or implied, or the part described in this Partial Data Report. Furthermore, neither the Inspector not his employer makes my warrang, expressed or implied, or mail be liable in any manner for my personal injury or property danage or a least of any that arising from or con	O. in this wiedse
Com 17 17 17 17 17 17 181 Co.E. SIK rolete. RTR R1-3	41
Consissions Pennsylvania MO72  Russell Tom Configurate Consissions Pennsylvania MO72  Russell Tom Configurate Configurate and No.	
The statement proves a time of butts, secretor or seconds, the to the provider like one of PAT's LLT, I'll advances at area felt on the Due have a rest and this patch upo your statement per informer states discovered in the 5. "Seconds"	
10/77) The form 18:000 400 may be corolined from the Crose Boot., ADJE, 248 E 47th St., New York,  (1)  16:869  W421	ALY 16617

Owner PPL SUSQUEHANNA, LLC					Date	11	JUNE-2003	
	769 SAL	EM BLVD, BERWI	ск, РА 18603	<del></del>	Sheet 1	of	5	
2. Plant	Susa	AGGRESS QUEHANNA STEAM	ELECTRIC STAT	ION	Unit		Two	
	760 SALI	NAME EM BLVD, BERWI				SEE PA	AGE 5 OF 5	
	109 SAL	Address	CK, 174 10005		Repe		n P.O. No., Job No., etc.	
. Work Pe	rformed by	PPL Sus	QUEHANNA, LLO		Type Code Sym	bol Stamp	NONE	
	769 SAL	EM BLVD, BERWI	ск, PA 18603	<u> </u>	Authorization No	)	N/À	
		Address			Expiration Date		N/A	
4. Identific	ation of Systen	n		MAIN STEAM	. 28	3A-II		
5. (a) App	licable Constru	uction Code	<u>                                     </u>	71 Edition, placements 19	thru W'72	Addenda,	No Co	ode Case
		onents Repaired or F						
	ime of	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
•		•				:		
1: VAL	VE	YARWAY 1	A0751	N/A	241010A	1977	REPLACED	YES
		FLOWSERVE	E-660A-1-10	N/A	2410104	1000	Deni Aces com	YES
2. VAL	VE	FLOWSERVE	2 000	- "	241010A	1999	REPLACEMENT	1 1 1 1 1
2. VAL		YARWAY	A0614	N/A	241010A 241011A	1977	REPLACED	YES
	VE							
<ol> <li>VAL</li> <li>VAL</li> <li>SMA</li> </ol>	VE VE	YARWAY	A0614	N/A	241011A	1977	REPLACED .	YES
<ol> <li>VAL</li> <li>VAL</li> <li>SMA SUB</li> <li>SMA</li> </ol>	VE ALL PIPE ASSEMBLY ALL PIPE	YARWAY FLOWSERVE	A0614 E-660A-1-15	N/A N/A	241011A 241011A	1977 1999	REPLACED REPLACEMENT	YES
<ol> <li>VAL</li> <li>VAL</li> <li>SMA SUB</li> <li>SMA</li> </ol>	VE  LL PIPE  ASSEMBLY  LL PIPE  ASSEMBLY	YARWAY FLOWSERVE BECHTEL	A0614 E-660A-1-15 N/A	N/A N/A N/A	241011A 241011A SPDBB202-5	1977 1999 1983	REPLACED REPLACEMENT REPLACED	YES YES YES
3. VAL 4. VAL 5. SMA SUB 6. SMA SUB	VE  LL PIPE  ASSEMBLY  LL PIPE  ASSEMBLY	YARWAY FLOWSERVE BECHTEL PPL	A0614 E-660A-1-15 N/A N/A	N/A N/A N/A N/A	241011A 241011A SPDBB202-5 SPDBB202-5	1977 1999 1983	REPLACED REPLACEMENT REPLACED REPLACEMENT	YES YES YES NO
3. VAL 4. VAL 5. SMA SUB 6. SMA SUB 7. VAL	VE  LL PIPE  ASSEMBLY  LL PIPE  ASSEMBLY	YARWAY FLOWSERVE BECHTEL PPL	A0614 E-660A-1-15 N/A N/A	N/A N/A N/A N/A N/A	241011A 241011A SPDBB202-5 SPDBB202-5	1977 1999 1983	REPLACED REPLACEMENT REPLACED REPLACEMENT	YES YES YES NO

This form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N. Y. 10017

recorded at the top of this form.

#### FORM NIS-2 (Back)

		HEET ATTACHED		
		Apolicable Manufacturer's D	ate Reports to be attached	
		<del></del>	<del></del>	
			•	
		CERTIFICATION OF	_	
	certify that the statements made in	the report are correct an	REPLACEMENT	conforms to the rules of the
SME Cod	de, Section XI.		repair or replacement	
Tyne Cr	ode Symbol Stamp		N/A	
1300 00			19/74	
Certificat	te of Authorization No.	N/A	Expiration	N/A
Signed	EB Sel.	'. L	Date June /	8 ,20 03
	Owner of Owner's Designes, Titl	Welding Engineer		
	· · · · · · · · · · · · · · · · · · ·	<del></del>	· <del></del>	
	CER	rification of insi	ERVICE INSPECTION	
			e e e e e e e e	grafia aggrafia da sa
the unde	ersigned, holding a valid commissi	on issued by the National	Board of Boiler and Pressure \	essel Inspectors and the State
r Province	ersigned, holding a valid commissi e of <u>PENNSYLVANIA</u> STON, RHODE ISLAND	on issued by the National and employed by	FACTORY MUTUAL INSURA have inspected t	NCE CO. of he components described
r Province JOHNS this Owr	e of PENNSYLVANIA STON, RHODE ISLAND ner's Report during the period	and employed by	FACTORY MUTUAL INSURA have inspected to to 4.10.03	NCE CO. of he components described and state that
r Province JOHNS this Owr the best	e of PENNSYLVANIA STON, RHODE ISLAND ner's Report during the period t of my knowledge and belief, the	and employed by  8-20-02  Owner has performed example of the second seco	FACTORY MUTUAL INSURAL have inspected to 4.14.03 minations and taken corrective	NCE CO. of he components described and state that
r Province JOHNS this Owr the best wher's R By sign	e of PENNSYLVANIA STON, RHODE ISLAND ner's Report during the period t of my knowledge and belief, the teport in accordance with the requiring this certificate neither the Insp	and employed by  8-20-02  Owner has performed examirements of the ASME Coopector nor his employer ma	FACTORY MUTUAL INSURAL have inspected to 4.14.03 minations and taken corrective de, Section XI.	he components described , and state that measures described in this or implied, concerning the
r Province JOHNS this Own the best wher's R By sign examination	e of PENNSYLVANIA STON, RHODE ISLAND ner's Report during the period t of my knowledge and belief, the teport in accordance with the requiring this certificate neither the Inspons and corrective measures descriptions.	and employed by  8-20-02  Owner has performed examirements of the ASME Connector nor his employer macribed in this Owner's Report	FACTORY MUTUAL INSURAL have inspected to to 4-14-03 minations and taken corrective de, Section XI. akes any warranty, expressed ont. Furthermore, neither the li	he components described , and state that measures described in this or implied, concerning the nspector nor his employer
r Province JOHNS this Own the best owner's R By sign xamination	e of PENNSYLVANIA STON, RHODE ISLAND ner's Report during the period t of my knowledge and belief, the teport in accordance with the requiring this certificate neither the Inspons and corrective measures descable in any manner for any person	and employed by  8-20-02  Owner has performed examirements of the ASME Connector nor his employer macribed in this Owner's Report	FACTORY MUTUAL INSURAL have inspected to to 4-14-03 minations and taken corrective de, Section XI. akes any warranty, expressed ont. Furthermore, neither the li	he components described , and state that measures described in this or implied, concerning the nspector nor his employer
r Province JOHNS n this Own to the best Owner's R By sign examination shall be lian	e of PENNSYLVANIA STON, RHODE ISLAND ner's Report during the period t of my knowledge and belief, the teport in accordance with the requiring this certificate neither the Inspons and corrective measures descable in any manner for any person in	and employed by  8-20-02  Owner has performed examirements of the ASME Connector nor his employer macribed in this Owner's Report	FACTORY MUTUAL INSURAL have inspected to to 4-14-03 minations and taken corrective de, Section XI. akes any warranty, expressed ont. Furthermore, neither the li	he components described , and state that measures described in this or implied, concerning the nspector nor his employer
r Province JOHNS  this Own the best Owner's R By sign examination half be lian rspection.	e of PENNSYLVANIA STON, RHODE ISLAND ner's Report during the period t of my knowledge and belief, the teport in accordance with the requiring this certificate neither the Inspons and corrective measures descable in any manner for any person in	and employed by  8-20-02  Owner has performed examinements of the ASME Concector nor his employer macribed in this Owner's Reportal Injury or property damage	have inspected to 4.10.03  minations and taken corrective de, Section XI.  akes any warranty, expressed ort. Furthermore, neither the lige or a loss of any kind arising	he components described and state that measures described in this or implied, concerning the aspector nor his employer from or connected with this  B. NS PA 2204
r Province JOHNS n this Own to the best Dwner's R By sign examination shall be lia nspection.	e of PENNSYLVANIA STON, RHODE ISLAND ner's Report during the period t of my knowledge and belief, the teport in accordance with the requiring this certificate neither the Inspons and corrective measures descable in any manner for any person in	and employed by  8-20-02  Owner has performed examinements of the ASME Concector nor his employer macribed in this Owner's Reportal Injury or property damage	have inspected to 4.10.03  minations and taken corrective de, Section XI.  akes any warranty, expressed ort. Furthermore, neither the lige or a loss of any kind arising	he components described , and state that measures described in this or implied, concerning the nspector nor his employer from or connected with this
or Province JOHNS In this Own to the best Owner's R By sign examination shall be lia inspection.	e of PENNSYLVANIA STON, RHODE ISLAND ner's Report during the period t of my knowledge and belief, the teport in accordance with the requiring this certificate neither the Inspons and corrective measures descable in any manner for any person	and employed by  8-20-02  Owner has performed examinements of the ASME Concector nor his employer macribed in this Owner's Reportal Injury or property damage	have inspected to 4.10.03  minations and taken corrective de, Section XI.  akes any warranty, expressed ort. Furthermore, neither the lige or a loss of any kind arising	he components described and state that measures described in this or implied, concerning the aspector nor his employer from or connected with this  B. NS PA 2204

1. Owner _		PPL SUSQUE		<del></del>	Date	03	-JUNE-2003	
	769 SAL	EM BLVD, BERWI	<del></del>		Sheet	2 of	5	
2. Plant	Susc	Address QUEHANNA STEAM	ELECTRIC STAT	TON	Unit		Two ·	
		NAME	<u> </u>	<del></del>	· · ·			
	769 SAL	EM BLVD, BERWI	ск, PA 18603		Rec		AGE 5 OF 5 on P.O. No., Job No., etc.	
3. Work Perform	med by	PPL Sus	SQUEHANNA, LL(	<u>c</u>	Type Code Syn	•		<u> </u>
	769 SAL	EM BLVD, BERWI	NAME ICK, PA 18603		Authorization N	o	N/A	
		Address			Expiration Date		N/A	
4. Identification	n of Syste	m		MAIN STEAM	2	B3A-II		
5. (a) Applicat	ble Constr	uction Code			thru W72	Addenda	No C	ode Case
		of Section XI Utilize			89			
6. Identification	n of Comp	onents Repaired or F	Replaced and Repla	acement Compon	ents			
	<del></del>	1				T		ASME
				National			Repaired,	Code Stamped
Name Compor		Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(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 I SUB ASS		BECHTEL	N/A	N/A	SPDBB201-4	1983	REPLACED	YES
12. SMALL I SUB ASS	PIPE	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 I SUB ASS		BECHTEL	N/A	N/A	SPDBB204-4	1983	REPLACED	YES
18. SMALL		PPL	N/A	N/A	SPDBB204-4	2003	REPLACEMENT	No

SUB ASSEMBLY

1. Owner PPL SUSQUEHANNA, LLC					Date	03-	JUNE-2003	
****	769 SAL	EM BLVD, BERW			Sheet3	3 of	5	
2. Plant	Susc	Address  QUEHANNA STEAM  NAME		пон	Unit		Two	
	769 SAL	EM BLVD, BERWI	_	<del></del>	Peo		AGE 5 OF 5 n P.O. No., Job No., etc.	
3. Work Per	formed by	PPL Sus	SQUEHANNA, LL	С	Type Code Sym			
<u> </u>	769 SAL	EM BLVD, BERWI			Authorization No	o	N/A	
		Address			Expiration Date		N/A	
4. Identifica	ation of Syster	m		Main Steam	<u>vi</u> 28	B3A-II		
(b) App	olicable Edition	uction Code of Section XI Utilize onents Repaired or F	III 19 d for Repairs or Re	71 Edition, eplacements 19	89	Addenda,	No C	code Case
O. Identifica		onena repaired or i						
	me of	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. VAL	VE	YARWAY	A0723	N/A	241010D	1977	REPLACED	YES
20. VAL	VE	YARWAY	A7322	N/A	241010D	1979	REPLACEMENT	YES
21. VAL	VE	YARWAY	A0905	N/A	241011D	1977	REPLACED	YES
22. VAL	VE	YARWAY	A7336	N/A	241011D	1979	REPLACEMENT	YES
23. SMA SUB	LL PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPDBB203-4	1983	REPLACED	YES
24. SMA		PPL	N/A	N/A	SPDBB203-4	2003	REPLACEMENT	No
25. STEN	M / DISC EMBLY	YARWAY	C7	N/A	LSH20112D-VNT SPDBB203-2-67	1979	REPLACED	YES
26. STEN	M / DISC EMBLY	YARWAY	AA00-B31	N/A	LSH20112D-VNT SPDBB203-2-67	2001	REPLACEMENT	YES
27. BACI BUSI		YARWAY	5293	N/A	LSH20112D-VNT SPDBB203-2-67	1998	REPLACED	No
28. BACI BUSI		YARWAY	5293	N/A	LSH20112D-VNT SPDBB203-2-67	1998	REPLACEMENT	No
29. VAL	VE	YARWAY	5645	N/A	1RV- PSL2N015C	1976	REPLACED	YES

1. Owner	PPL Susoui	EHANNA, LLC		Date	03-	-JUNE-2003	
<u></u>		ME					
769	SALEM BLVD, BERW	лск, PA 18603		Sheet4	f of	5	
2. Plant	SUSQUEHANNA STEAT		rion	Unit		Two	
769	SALEM BLVD, BERW	<del>-</del>		Pan		AGE 5 OF 5	
3. Work Performed		SQUEHANNA, LL	<u>c</u>	Type Code Sym	_		
769	SALEM BLVD, BERW	иск, PA 18603	<del></del>	Authorization No	o	N/A	
				Expiration Date		N/A	
4. Identification of	System		MAIN STEAM	28	3A-II		
(b) Applicable I	Construction Code Edition of Section XI Utilize Components Repaired or	ed for Repairs or Re	•	thru W72 89 ents	Addenda,	No C	ode Case
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 BOD	YARWAY	B8108	N/A	HV20112A1	1983	REPLACED	YES
32. VALVE BOD	YARWAY	B8145	N/A	HV20112A1	1983	REPLACED	YES
33. VALVE BOD	Y YARWAY	B8213	N/A	HV20112B1	1983	REPLACED	YES
34. VALVE BOD	Y YARWAY	B8074	N/A	HV20112B1	1983	REPLACED	YES

1. Owner	PPL SUSQUEHANNA, LLC				Date 11-JUNE-2003			NE-2003	
	769 SALEM BLVD		, PA	18603		Sheet	5_	_ of .	5
2. Plant	SUSQUEHANN		LECT	RIC STATIO	ON	Unit		Т	wo '
	769 SALEM BLVD	, BERWICK	PA_	18603				SEE BE	
3. Work Perfor		PPL SUSQU	EHAN IAME	NA, LLC		Type Code Sy	, ,		O. No., Job No., etc.  None
	769 SALEM BLVD	,_BERWICK	PA.	18603		Authorization			N/A
	Ac	DORESS				Expiration Dat	te		N/A
4. Identification	on of System				MAIN STEAM		283A-II		
	able Construction Cod able Edition of Section		_			_ Addenda, 89	No		_ Code Case
6. Identification	on of Components Rep	paired or Rep	aced a	and Replac	ement Compone	ents	٠,٠		

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRESSURE TEST PRESS   TEM	
						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

Pg. 1

\_ of \_

Flowserve Corp. Pennsylvania Power & Light Company 2. Manufactured for \_\_Two\_North Ninth Street \_ Allentown\_ PB Susquehanna Station Iname and address of Purchaser or Owner) 3. Location of installation 5 miles NE of Berwick Rte 11. P.O. Box 467. Berwick PA 18603 (name and address) 4. Model No., Series No., or Type <u>Valve</u> Drawing <u>W9825189</u> A CRN\_N/A Rev. 1986 N/A N/A 5. ASME Code, Section III, Division 1: (addenda data) (Code Case no.) Nominal inlet size Outlet size (in.) AMS-5387. 7. Material: Body SA216-WCB Bonnet \_\_ N/A Boltina (a) (b) (e) (c) d Disk Cert.. Nat'l Body. Bonnet Holder's Board Serial Serial Serial Serial No. No. No. No. No. HT #1899/ E-660X-1-9 n/a N/A E-660A-1-10 N/A 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 7 HT #1899 N/A

<sup>\*</sup>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.



This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Orive, Box 2300, Feirfield, NJ 07007-2300.

#### FORM NPV-1 (back)

8. Remarks 1" - 1500# Y-Globe Valve w/10		
Reference S.O. E-660A-1	•	
9. Design conditions 2673 psi 680 temperature  0. Cold working pressure 3705 psi at 100°F		re class 1500\$
1. Hydrostatic test 5575 psl. Disk differential test	pressure4076	psi
	·	
CERTIFICATION	OF DESIGN	
		Reg. no. 20118E
Design Report certified by T. C. Bartlett	P.E. State PA	Reg. no. <u>039036E</u>
CERTIFICATE OF SHO	P COMPLIANCE	
:	•	
of the ASME Code, Section III, Division 1.	•	ns to the rules for construction
of the ASME Code, Section III, Division 1.  N Certificate of Authorization No	hat this pump or valve conform  Expires	as to the rules for construction  4/15/01
of the ASME Code, Section III, Division 1.	Expires	ns to the rules for construction  4/15/01  ANNUL  orized representative)
of the ASME Code, Section III, Division 1.  N Certificate of Authorization No	Expires	4/15/01 tanneit
of the ASME Code, Section III, Division 1.  N Certificate of Authorization No	Expires . Signed <u>保よ</u> & teuth	4/15/01 tanneit
of the ASME Code, Section III, Division 1.  I Certificate of Authorization No	Signed R.S. S. touth  P INSPECTION  tional Board of Boiler and Pre- and employed by Commerce	4/15/01  CONNUT  CONTROL  CONT
of the ASME Code, Section III, Division 1.  N Certificate of Authorization No	Signed RS Stauth  P INSPECTION  tional Board of Boiler and Propertional Board of Boiler and Properties and Employed by Commerce pected the pump, or valve, desist of my knowledge and beli	essure Vessel Inspectors and cial Union Ins. Co.
CERTIFICATE OF SHO  the undersigned, holding a valid commission issued by the Nathan State Street St	Signed Roller and Propertional Board of Boiler and Propertion and employed by Commexic pected the pump, or valve, de lest of my knowledge and belie. Section III, Division 1.	essure Vessel Inspectors and cal Union Ins. Co. escribed in this Data Report on lef, the Certificate Holder has led or implied, concerning the sall be liable in any manner for
CERTIFICATE OF SHO  the undersigned, holding a valid commission issued by the National State Sta	Signed RS S  Signed RS S  tauth  P INSPECTION  tional Board of Boiler and Properties and employed by Comme Compected the pump, or valve, de lest of my knowledge and belies. Section III, Division 1.  Imakes any warranty, express inspector nor his employer she from or connected with this immissions Pennsylvan	essure Vessel Inspectors and stal Union Ins. Co. escribed in this Data Report on lef, the Certificate Holder has led or implied, concerning the hall be liable in any manner for inspection.

(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

De	onneulvania Dow	er & Light Comp Street, Allento	iamsport, PA 1	ier)
Manufactured for	· HOLCH MINCH	ineme and address	of Purchaser or Owner	
	Cucanahanan St			on Pto 11 P.O. Por
Location of installation	Susquenanna st	acton, a miles	e and address)	on Rte 11, P.O. Box Berwick, PA
•	Ma 1 ma		189 / Rev. A	
Model No., Series No.,	or Type Valve	Drawing 19025	Rev. A	CRN_N/A
		/ 10/2	1	/ N/A
ASME Code. Section II	I, Division 1:	Stripn) (addend		
•• <u> </u>	***	/	•	•
Pump or valve Valv	re Nominal	inlet size	Outlet size	fin.)
	15 -NOD /	<b>y</b>	osk AMS-5387	
Material: Body SA21	Bonnet	I	768k (AMS=230/ *	Bolting
	** *	4.4	6.41	del .
(a)	(b)	(c)	(d) :Bonnet	(e) Disk
Cert.	Nat'l	Body	Serial	Serial .
Holder's	Board	Serial No.	No.	No.
Serial No.	No.			
E-660A-1-19	N/A	6	N/A	HT#1899
E-660A-1-20/	N/A	20/	N/A	
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This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

#### 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 psi 680 °F or valve pressure class 1500#  (pressure) temperature)  10. Cold working pressure 3705 psi st 100°F
11. Hydrostatic test 5575 psi. Disk differential test pressure 4076 psi
CERTIFICATION OF DESIGN
Design Specification certified by Hatthew 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
Date 8/25/99 Name Flowserve Corp. Signed R & Stormut (authorized representative)
CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State SPPENION of Pennsylvania and employed by Commercial Union Ins. Co. of Boston. HA have Inspected the pump, or valve, described in this Data Report on 2-1912. Co. 1922, 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 Signed Maria (Commissions Pennsylvania 2392  Charles Councy (Nat'l. Bd. (Incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

#17-88-88 11:27am From-FLOWSERVE MISPORT T +7173274922 T-233 P.82/83 F-038 FORM NPV-1 CERTIFICATE HOLDERS' DATA REPURT FOR NUCLEAR FUMPS OR VALVES\*
As Required by the Provisions of the ASME Code, Section III. Division 1

Plouserve Corp. 1. Manufactures and earliest by 701 Pirat Street, Williamsport, PA 17701 Pennsylvania Fower E Light Company 2. Menufernme for Two Morth Hinth Street Allenton ename and exerces of Purchaser or Owner 3. Location of Assessment Supermentation Station, 5 miles NP of Bervick on Rre PAX 467. (name and 900/ess) Berwick, PA 18601 MEND Drawing W9825189 4. Model No., Sepas Ne., or Type ... Valve 5. ASME Cope, Section W. Division 1 1986 N/X (SSEEAGE GETS) Con Con RO. 6. Fund or wave Valve Marianal thest size Outer see . 7. Material Body 33216-WCB Bonnes \_ E/A BOTTONS (1) **(B)** 10 14 tel Booy Carr DISK FIRM Воплес Carlo \*\*\*\*\*\*\* Coers Callet SANG NA No. No. NA. No. E-650A-1-1 N/A B/A HT: 41899 P-6603-1-2 H/A NZA HT 41899 アーモ6のスーユー3 N/A H/A RT 41899 N/A E-6601-1-4 15 A/K BT .. IR99 X-660A=1-5 N/A 16 HZA RT 41499 2=660A=1=6 N/A RT 11899 18 M/Z 6603-1-7 N/A 7 N/A RT 41899 2-660X-1-R K/X HZZ ## #1899

(12/84)

They form 48000371 may be estudied from the Order Door . ASME. 22 bear Once. Box 2300, Farmaid, act 07007-2300

<sup>\*</sup>Supplemental electronian and fertit of Estat, selection, or province they be used provided (1) acts in \$16 to \$15 to \$17, (2) information an electronian of the top of the forms of the purpose of expects in recording at the cop of the forms

Fax:1-610-774-6575

Mar 8 '99 15:4

P.04

Mar-08-89 11:28am From-PLOKSERVE MAPORT

+7173274922

T-233 P.03/02 F-030

FORM NPV-1 (back)

Reference S.O. B-660A-1	
Washance bidl b Addil a	
Of Parally responses distributions and the second s	valve Dressure class 1500}
Corescent (stimpersound	•
D. Cold working pressure 3705 pail at 100°F	
1, Hydrochelic test 5575 ppl. Dest differential tost pressure	4076
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CERTIFICATION OF DESIGN	
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Design Specification certified by Hatthew Robert P.E. State	PA Res 039016E
Design Report sociated by T. C. Barelgee R.E. State	KEB NOT STATE
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CENTEFICATE OF SHOP COMPLIANCE	
of the ASME Code. Section Bt. Devision 1. It Coreficete of Authorization No	
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CERTIFICATE OF CHOP INSPECTION	•
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i, the undersigned, nothing a valid communical issued by the National Source of the Source of Parity Validation issued by the National Source of the Source of Parity Validation issued by the National Source of the Source of th	Boder and Pressure Vethel Inspectors and L.Commercial Union Free Co
the undersigned, nothing a valid communion leaved by the National Sound of the Sound State of Panning Lyania.  BOSCOT: HA	Soler and Pressure Vested inspectors and particular Commercial United True Commercial Control Onto Party Record of
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It the undersigned, nothing a valid communican leaved by the historial Board of the Sons Expression of Pathing 192132 and serve of ROSTOTE. HA Afre inspected the pure ROSTOTE. HA Afre inspected the pure ROSTOTE. HA Reported this pump, at volve, in accordance with the ASME Code, Section 18, 19 againg this configure, height the importer not his employer makes any was component operated in this Data Report. Purtue make, neight the inspector not his employer makes any was component operated in this Data Report. Purtue make, neight the inspector not he property of property darkage or a tose of any kind arising from or contract.	Boler and Pressure Vethel Inspectors and a Commexcial Online From Carona

TOTTHER FORN NEW MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES.

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		by the Provisions of the		36829
l. Manufactured by.	YARKAY CORPORA	TION, BLUE BELI	PA. Orde	72082
2. Manufactured for	WASHINGTON PUB	LIC POWER SUPPI	LY SYSTEM Odd	9779-41G
1. Owner WASH	INGTON PUBLIC P		•	
** ** ** ***	RICHLAND, WA	:		•
	Hentification NUCLE RIAL NUMBER (S)		•	•
		iption of service for which ee		
(a) Drawing No	104561-06	_ richard of	RWAY CORPORATION	8
(b) National Boar	rd No. #2// THRU	301 EXCLUDING #	•	1500 pei
6. Design Condition  The material, des	(Pressure) sign, construction, and wor		oF or Pressure Clas	
Edition 197	4 , Addenda De	WINTER 1975	Case No. NO	
Edition 197	4 , Addenda De	Material Spec. No.	Case No. NO	
Edition 197				Remarks
<u></u>	Maple No.	Naterial Spec, No.	Nanufacturer	Remarks
<u></u>	Maple No.	Naterial Spec, No.	Nanufacturer	Remarks
<u></u>	Maple No.	Naterial Spec, No.	Nanufacturer	Remarka DISC  COCUMENT REVIEWED AX 28 79 J. M. FEIL
(a) Castings	Maph No.	Material Spec. No.  AMS 5385	NOVA/HOWNET	DISC  COCUMENT REVIEWED  EX 28 79 J. M. FEIL  BY  U.E. & C.
<u></u>	Maple No.	Naterial Spec, No.	Nanufacturer	DISC  COCUMENT REVIEWED  EX 28 79 J. M. FEIL  BY  U.E. & C.
(a) Castings	Maph No.	Material Spec. No.  AMS 5385	NOVA/HOWNET	DISC  COCUMENT REVIEWED  EX 28 79 J. M. FEIL  BY  U.E. & C.
(a) Castings	марь но. С7	Material Spec. No.  AMS 5385  SA105	NOVA/HOWNET:  CAPE ANN TOOL CO.	DISC  COCUMENT REVIEWED  WE 28 79 J. M. FEIL  BY  U.E. & C.  BODY

<sup>(1)</sup> For manually operated valves only.

<sup>&</sup>quot;Supplemental sheets in form of Mats, exetches or drawings may be used provided (1) also it 84" u 11", (2) information in frome, 1, 2, So and 16 on this data report is included on each sheet, and (3) each sheet in numbered and number of sheets in recorded at top of this form.

#### FORM NPV-1 (back)

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(c) Bolting NONE			
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A Od a Para Maria			
(d) Other Parts NONE		·	
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			W 2879 J. M. F.EIL
· ·			Ву:
<del></del>			U.E. & C.
			Company of the last of the las
Hydrostatic test 5400 psi	•		
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Design information on file at WPPS	S - RICHLAN	D, WASHINGTON	
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Design specifications carrified by RATHIN	BASU	(1) Prof. Enc. State	TASH Reg. No. 15045
	REOUIRED	(1) Prof. Eng. State.	Reg. No.
(1) Signature not required. List name only.			Rain Age and the Service of Technology Conference on the Conference of the Conference on the Conferenc
			ក៏#៥ ក្រុមប្រភព្វ ខេត្ត ១ គឺ ខេត្ត ខេត្ត
Te certify that the statements made in this repo	rt ere correct.	A	, 1.
	WARRING CODDO	ENGLAN GIMI	
Date	YARWAY CORPO	KATION BY IN TO	VOLGER
N 1891		BER 21, 1980	VOLGER
Certificate of Authorization No. N 1891	expires OCTO	<u> </u>	
•			
CERTI	FICATE OF SHOP I	NSPECTION	·
·. CERT1	teritor mini .		
1, the undersigned, bolding a valid commis-	tion lusted by the Nati	onal Board of Boiler and F	Pressure Vessel Inspectors
and/or the State of Province of PENNSYLV	ANIA and em	ployed by PHILA MI	NUFACTURERS
MUTUAL INS.: CO. of PHILAD			nent described in this Data
Report on MAY 2 19 79	and state that to the	e best of my knowledge a	nd belief; the Manufactures
has constructed this equipment in accordance to By signing this certificate, neither the los	rich the applicable bub	sections of Abac Code, be	ection III.
ing the environment described in this Data Repor	t. Furthermoté, seith ti	. The Inspector bot als stab	loyer shall be liable ia anv
manner for any personal injury or property dama	Se or a loss of say kin	g'alleral lious et Councete	a with this inspection.
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MAY 2 19.79	•		Ĭ
DateIYJZIYJZ			
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a. Waullons	Commissions -	NB 7525 PA 2159	
DAVID L. BAILLARY		(Notional Board, State	e, Province one Ke.)

#### OFFICE TOTAL PUMPS OF VALVES!

As Required	by the Provisions of the	ne ASME Code Roles P	.0. <del>‡</del> 36829
. Manufactured by YARWAY CORPORAT	TION, BLUE BELI & Address of Nanufacturer)	., PA. Order	No. 72082
Nanufactured for WASHINGTON PUBL	LIC POWER SUPPI	Y SYSTEM Order	No. 9779-41G
Owner WASHINGTON PUBLIC PO	•	ichland, Washing Stem (WPPSS)	ion
Location of Plant RICHLAND, WAS			
Pump or Valve Identification NUCLE	AR SERVICE VALV	res - size 1"	
	ption of service for which or	uipment was designed)	·
(a) Drawing No. 104561-06 (b) National Board No. 1302 THRU 3	_ Prepared byYAI	WAY CORPORATION	
Design Conditions (Pressure)	psi (Temperati	or Pressure Class	1500 psi(I)
The material, design, construction, and work			
		, Case No.	E
Wark Ne.		Nanulacturer	Remarks
Mark We.		1	Remarks
	Naterial Spec. No.	Menulocturer	Remarks
	Naterial Spec. No.	Menulocturer	Remarks
	Naterial Spec. No.	Menulocturer	Remarks.
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	Naterial Spec. No.	Menulocturer	DISC  DOCUMENT REVIEWED
	Naterial Spec. No.	Menulocturer	DISC  DOCUMENT REVIEWED  22879 J. M. FEIL

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<sup>(1)</sup> For manually operated valves only.

<sup>&</sup>quot;Supplemental sheets in farm of fluts, aketches or drowings may be used provided (1) size is \$1;" x 13", (2) information in liems, 3, 2, 50 and 50 on this data report is included on each sheet, and (3) each wheet is numbered and number of sheets is recorded at top of this form.

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#### FORM NPV-1 (back)

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(c)	Balting NONE			)
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(4)	Other Parts NONE			
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				DOCUMENT DESCRIPT
			·	MAZETE J. M. FEIL
	•			By:
				U.E. & C.
		1		
Hydro	static testS400psi	<b>L</b> .	·.	
	. С	ERTIFICATION OF	DESIGN	
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itress 11 Sie	analysis report certified by <u>NONE</u>	NEWOTKED	(1) Prof. Eng. State	Reg. Na
				Signification of the property of the same
e cer	ully that the statements made in this sept		<b>/</b> 1	10
Date	May 2 19.79 Signed	YARWAY CORPO	RATION BY	Rger
				A. JOLGER
Centifi	case of Authorization No. N 1891	espites	DEK 117 1900	
				<del></del>
•	CERT	ificate of Shop i	INSPECTION	•
	he underzigned, bolding a valid commis	sion issued by the NAt	ional Board of Boilet and	Pressure Vessel Inspectors
nd/o	the State of Province of PENNSYLY	ANIA and en	nployed by PHILIA M	ANUFACTURERS
·	Way 2 to 70	end error that so the	have inspected the equip	ment described in this Data and belief, the Manufacturer
Report	estructed this equipment in accordance to signing this certificate, neither the last	with the applicable Sub	sections of ASME Code. S	ection III.
	e equipment described in this Data Report for any personal injury or property damage the same and the same an	n. Purbermore, nextre	i the inspectot bot bis emi	NOVER Shall be liable in any t
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	O. Vaullary	Commissions	NB 7525 PA 2159	-
<u> </u>	DAVID L. DAULLARY		(histonel Beard, Ste	ie. Prevence and Ne.)

(12/85)

WIP ORDER	5041158	SALES ORDER NO	2037906

		As Required by the Provi	S AND APPURTENANCES* sions of the ASME Code, Se i One Day's Production		g1_ of1_
I. I	Manufactured and certified by _	YARWAY CORPORATION	480 NORRISTOWN ROAD, BLU	JE BELL. PA 18422-076	<b>30</b>
2. N	fanufactured for	FRAMATOME ANP. Inc., LYNC	HBURG, VA 24506 (name and address of purchaser)		
i. L	ocation of installation	STOCK	Carno and address)		
	BOOASE SG	ALICENSEE (ALA)	• •	8148	
			52,000 PSI MIN.	(CRIQ	2001 (year built)
5. <i>j</i>	NSME Code, Section III:	1986	NONE	_1	
			<del></del>	(ches) Date	(Code Case so.)
•• •			Revision _		
YAF	WAY SERIES 5500 GLOBE VISTRUCTION DATA WITH TH	/ALVE, THE OWNER OR THE HE DESIGN SPECIFICATION F	TRUCTION DATA 969005 REV.  IR DESIGNEE SHALL BE RESPONDED THE FACILITY USING THE F	ONSIBLE FOR RECON	CILING THIS
			Disc. ID (ft. & in.)	<del></del>	, ,
). V	Vhen applicable, Certificate Ho	iders' Data Reports are attached	for each item of this report:	1. 1. 1. ARX HELDER 1. 42	
	Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurt Serial Num	enance Protos / a ko l ber just av frad l	National Board No. n Numerical Order
(12) (13)	AA00-B2 AA00-B3 AA00-B4 AA00-B5 AA00-B6 AA00-B8 AA00-B8 AA00-B10 AA00-B11 AA00-B11		(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)		

"Supplemental information in the form of lists, statches, 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.

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 DE	SIGN	
Design specifications certified by		P.E. State	Reg. no
Design report* certified by	(brien application) N/A (selven application)	P.E. State	Reg. no
	CERTIFICATE OF SHOP COM	IPLIANCE	
We certify that the statements made in the conforms to the rules of construction of the statements.	his report are correct and that this (these) _ he ASME Code, Section III.	STEM AND DISC ASSEMBLIES	1 INCH
NPT Certificate of Authorization No	N-2450	Expires November, 14	2001
Date	Name - YARWAY CORPORATION BPT Cardicula Holding	Signed 7.0.	Deszka
	CERTIFICATE OF SHOP INS	PECTION	
PENNSYLVANIA	ssion issued by the National Board of Boiler end employed byFACTORY	MUTUAL INSURANCE COMPANY	
	cted these items described in this Data Rep pe and belief, the Certificate Holder has fabri		
ASME Code, Section III. Each part listed By signing this certificate, neither the ins	I has been authorized for stamping on the di pector nor his employer makes any warranty he inspector nor his employer shall be liable i d with this inspection.	ite shown above, , expressed or implied, concerning to in any manner for any personal injury	e equipment described in or property damage or
Date <u>5/11/01</u> Signed	My Alanietto (Milhorized Inspector)	Commissions Pa 2 056 WI	OSISA antal state or prov. and no.)
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# TO ANTONIUS LA TURES PUNTA DE SONO REPUBLICA DE NAVA TE

As Regard by the Provisions of the APIX Cat. Roles.
P.O. #40583

SERIAL NUMBER(8) B8130 THRU B8184  (Brief drampass of correct for chart equipment was dragate)  Drawing No. 045787 A Propered by YARVAY CORPORATION  (National Seard No. N/A  raign Conditions	CONSUNERS POWER CO.	7220-N-
SERIAL NUMBER(8) B8130 THRU B8154  (Brief desempsion of correct for chiefs operated and designed)  Drawing No. 045787 A Propered by YARVAY CORPORATION  (Noticeal Seard No. N/A  relign Conditions		
SERIAL NUMBER(8) B8130 THRU B8184  (Development of correct for which equipment was designed)  a) Drawing No. 045787 A Proposed by YARVAY CORPORATION  b) National Seard No. N/A  braign Conditions	ion of Plant WIDLAND, MI	
(Brief drampus of service for which equipment was dragated a) Drawing No. 045787 A Property by YARVAY CORPORATION b) National Board No. N/A  Draign Conditions	or Valve Montification NUCLEAR SERVICE VALVES SIZE 1"	·
Design Conditions		
Design Conditions		
The moterial, design, construction, and vortexable compiles with ADR Code Section III. Class	Propert by YARVAY CORPORATION	
(a) Cartings D7 AV9=5385E 1 HOYAYROWETT DISC.  See See See See See See See See See Se	eional Soard NoN/A	
The moterial, design, construction, and vortamently complies with ADR Code Section III. Class	Confident	1500
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CORPORATIONS  Lead to the control of		
the former NS SA 105 CAPE ANN TOOL BODY		
the former NS SA 105 CAPE ANN TOOL BODY		
(b) Forgon: NS SA 105 CAPE ANN TOOL BODY	CORPORATION	1 - ATT
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<sup>(1)</sup> For manually operated valves only

<sup>&</sup>quot;Supplemental shorts in furn of lists, aboutings or drawings they be used previded (1) case in En'" e 11", (2) information in stome, 1, 3, in and
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#### FORM NPV-1 (beck)

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#### FORM NPV-1 MANUFACTURERS SIATA REPORT FOR MUCLEAR PUMPS OR VALVESO

As Required by the Previolens of the ADIE Code Heles

P.O. #40553

Manufacture: bu				
Manufacture: for	BECHTEL POWI	(Rene and Address)	Order	r No
On merCC	NSUMERS POWER	co.		
Location of Plan	MIDLAND,	MI		
Pump or Valve 16	estification <u>NUC</u>	LEAR SERVICE VA	LVES SIZE	1"
SE	RIAL NUMBER(S)	B8055 THRU	B8079 . Y	3 8073
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tai Dres mg No	045787_A	Preserved by YAR	WAY CORPORATION	
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	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	or Pressure Class	
The material, det				_
	ign, construction, and w	orkmanship complies with .	ASME Code Section III. Clas	•2
		•	, Case No.	
		•	•	
	71	WINTER '73	NOVA/HOWMETT	
Edition19	71	Material Spec. Be.	Case No.	Longto
Edition19	71	Material Spec. Be.	NOVA/HOWMETT	Longto
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tage a more or start or torn of time, abouters or drawings may be used provided (1) time to 6%" a 11", (2) information to times, 1, 2, he and the or of the provided or sack about, and (3) corb about is numbered and number of throse is recorded or up of this large.

This form (£00037, may be obtained from the Order Dooks, ASME, 345 £. 67 St., New York, NLT. 10017.

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the manuals, corresped values only

#### PORM NPV-1 (beck)

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(d)	Cuber Paris 3986	SA182 F6A	PETER A.	BACKSEAT BUSHING
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)e44	<i></i>		<b>1</b> • 1	A. VOLGER
erulic	per of Ausberization No. <u>N2449</u>	espires NOVEL	BER 14. 1983	<i></i>
	CERT	TFICATE OF SHOP I	NSPECTION	
l. de	motorsigned, bolding a valid commit	laren is eved by the Nac	enal Board of Boiler and I	resoure Vessel Inspectors
-4	he Since of Province of PENNSYLY	ANIA and so	played by PHYLA BY	THE WINNER CO
	DRWOOD, MA®		tone of on knowledge o	plot described in this Data ad belief, the Manufacturer
	swerted bid equipment in accordance	with the applicable but special are his employe	portions of ASME Code, &	etian III. Wanad ar umaland, cuncara
	equipment described in this Data Repeller any personal injury or property date	H. Taribellade, seiber	THE INSTALL SALES OF THE OWNER.	Lavor Barilles Labor et Bar
		•	FACTORY MUTUAL	2121E#
) ere	7/25 1,83			
1.	$Q_{12}Q_{23}Q_{34}Q_{3$		NB 6377 PA	2052
	(leasener)	Countesies .	(Horizon) Beart, Bur	, French and Ball
	w 121 ( ^/ <b>4</b>	·	**************************************	

1. Owner		PPL SUSQUE			Date	13	JUNE-2003	
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Sheet1	of	4	
		Address	F:		•		<b>**</b>	
2. Plant	Susc	UEHANNA STEAM		TON	Unit		Two	
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Page		AGE 4 OF 4 in P.O. No., Job No., etc.	
a Madi Da	dama ad bar		QUEHANNA, LLO	<b>C</b>	Type Code Sym	•		
3. Work Per	normed by	11200	NAME		Type Code Sym	bu Starrip	TAOINE	•
	769 SAL	EM BLVD, BERWI	ск, PA 18603	<del></del>	Authorization No	o	N/A	<del></del>
					Expiration Date		N/A	
4. Identifica	ation of Systen	n	Main Steam Is	OLATION VAL	VE AND CONTROL	-	283B-III	
5. (a) App	licable Constru	uction Code	III 19	71 Edition	thru W72	Addenda	No C	ode Case
(b) App	licable Edition	of Section XI Utilize	d for Repairs or Re	placements 19	89 No Adde		CASE N416-1	
6. Identifica	ation of Compo	onents Repaired or F	Replaced and Repl	acement Compo	nents			
		•						· · · · · · · · · · · · · · · · · · ·
				National			Repaired,	ASME Code Stamped
	me of oponent	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
	LL PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPHCC236-4	1983	REPLACED	YES
2. SMA	LL PIPE ASSEMBLY	PPL	N/A	N/A	SPHCC236-4	2002	REPLACEMENT	No
3. SMA	LL PIPE PORT	BECHTEL	N/A	N/A	SPHCC236- H5011	1983	REPLACED	YES
1	LL PIPE PORT	PPL	N/A	N/A	SPHCC236- H5011	2003	REPLACEMENT	No
5. SMA	LL PIPE PORT	BECHTEL	N/A	N/A	SPHCC236- H5012	1983	REPLACED	YES
6. SMA SUPF	LL PIPE	PPL	N/A	N/A	SPHCC236- H5012	2003	REPLACEMENT	No
	LL PIPE	BECHTEL	N/A	N/A	SPHCC236- H5015	1983	REPLACED	YES
		J				·	L	<u> </u>
7. Descrip	tion of Work			SEE	PAGE 4 OF 4			
8. Tests C		Hydrostatic Pres	Pneumatic [		Operating Pressure	X	SEE PAGE 4	OF 4
	ı	Other Pres	sure	psi Te	est Temp.		:	

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	
Apolicable Manufacturer's Data Reports to be attached	
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·	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in the report are correct and this ASME Code, Section XI.  REPLACEMENT conforms to the rules of the repair or replacement	
Type Code Symbol Stamp N/A	<del></del>
Certificate of Authorization No. N/A Expiration N/A	
Signed Signed 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 Sta	ate
or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described	f ·
in this Owner's Report during the period 4-5-01 to 4-6-03, and state the	nat
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.	
Use Commissions NB 7980 A.N. I. B.NS PAZZO 4  Inspector's Signature National Board, State, Province, and Endorsements	-
Date 18 20 03	

1. Owner		PPL SUSQUE			Date	13	-JUNE-2003	
	769 SAL	EM BLVD, BERW			Sheet	2 of	4	
2. Plant	Susc	Address QUEHANNA STEAM		ПОМ	Unit		Two	
	769 SAL	EM BLVD, BERW	_	<del></del>	Re		AGE 4 OF 4 in P.O. No., Job No., etc.	
3. Work Perfe	ormed by	,	SQUEHANNA, LL	<u>C</u>	Type Code Syr			
	769 SAL	EM BLVD, BERW			Authorization N	lo	N/A	
		Address			Expiration Date		N/A	
4. Identificat	ion of Syste	m	MAIN STEA	M ISOLATION	VALVE AND CON	ITROL	283B-III	
(b) Appli	cable Editior	uction Code n of Section XI Utilize onents Repaired or F	d for Repairs or Re	eplacements 19	89 No Add			ode Case
Nam Comp	e of onent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. SMAL		PPL	N/A	N/A	SPHCC236- H5015	2003	REPLACEMENT	No
9. SMALI		BECHTEL	N/A	N/A	SPHCC236- H5016	1983	REPLACED	YES
10. SMAL		PPL	N/A	N/A	SPHCC236- H5016	2003	REPLACEMENT	No
11. SMALI		BECHTEL	N/A	N/A	SPHCC236- H5017	1983	REPLACED	YES
12. SMALI		PPL	N/A	N/A	SPHCC236- H5017	2003	REPLACEMENT	No
13. SMALI SUPPO		BECHTEL	N/A	N/A	SPHCC236- H5018	1983	REPLACED	YES
14. SMALI SUPPO		PPL	N/A	N/A	SPHCC236- H5018	2003	REPLACEMENT	No
15. SMALI SUPPO		BECHTEL	N/A	N/A	SPHCC236- H5019	1983	REPLACED	YES
16. SMALI SUPPO		PPL	N/A	N/A	SPHCC236- H5019	2003	REPLACEMENT	No
17. SMALI SUPPO		BECHTEL	N/A	N/A	SPHCC236- H5021	1983	REPLACED	YES
18. SMALI		PPL	N/A	N/A	SPHCC236- H5021	2003	REPLACEMENT	No

1. Owner	<del></del>	PPL SUSQUE	<del></del>	<del></del>	Date	13	-JUNE-2003	<del></del>
	769 SAL	EM BLVD, BERW	·· <del>··</del>		Sheet	<u>3</u> of	4	
2. Plant	Susc	QUEHANNA STEAN		TON	Unit		Two	
	769 SAL	EM BLVD, BERW	ск, PA 18603				PAGE 4 OF 4 on P.O. No., Job No., etc.	
3. Work Pe	erformed by	PPL Sus	SQUEHANNA, LLO NAME	<u> </u>	Type Code Sy	mbol Stamp	NONE	
	769 SAL	EM BLVD, BERW	ск, РА 18603		Authorization	No	N/A	
		Pura 655			Expiration Date	te	N/A	
4. Identific	ation of Syster	n	MAIN STEA	M ISOLATION	VALVE AND CO	NTROL	283B-III	
(b) App	olicable Edition	uction Code of Section XI Utilize onents Repaired or I	d for Repairs or Re	placements 19	89 No Ad	_		ode Case
	ime of nponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. SMA SUB	ALL PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPHCC236-8	1983	REPLACED	YES
20. SMA SUB	LL PIPE ASSEMBLY	PPL	N/A	N/A	SPHCC236-8	2003	REPLACEMENT	No

1. Owner		PPL SUSQUEI		LC		Date	-	,	13-JUNE-2	.003		
	769 SALE	M BLVD, BERWI	CK, PA	18603		Shee	t	4	of	4		
2. Plant	Susqu	JEHANNA STEAM		RIC STATION	<u> </u>	Unit			Two			
	769 SALE	M BLVD, BERWI	CK, PA	18603		<del></del>		SEE BELOW				
Address Repair Organization P.O. No., Job No., etc.  3. Work Performed by PPL SUSQUEHANNA, LLC Type Code Symbol Stamp Nor												
3. WORK Pen	Vork Performed by PPL SUSQUEHANNA, LLC						Code Sym	ooi Star	np	INO	ne	
	769 SALE	M BLVD, BERWI	ск, РА	18603		Authorization N/A						
		ADDRESS				Expira	Expiration Date N/A					
4. Identifica	tion of System		Main S	TEAM ISOLA	TION VALVE	E AND	CONTROL		28	3B-III		
(b) Appl	icable Edition of	tion Code III  f Section XI Utilized ents Repaired or F	d for Repa	airs or Replac	ements 19	89	_	NO NDA C		ode Case I416-1		
ITEM No	CRF / PCWO	DESCRIPT	ION OF	WORK	YEAR ADDEN		CODE	TE	STING	PRESS TE		
1 & 2	01-283-003	. REPLACE I			1971 Ed W	72 Ad	None	ເຣ	-02-770	95 PSIG	96 °F	

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR /	ADDENDA CASES TESTING T		PRES	
	PCWO	•	ADDENDA	CASES	,,	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

1. Owner _		PPL SUSQUE			Date	13	JUNE-2003	
	769 SAL	EM BLVD, BERWI	·-		Sheet	<u>1</u> 0	2	<del></del>
2. Plant	Susc	QUEHANNA STEAM		TION	Unit		Two	
	769 SAL	EM BLVD, BERWI	•				AGE 2 OF 2	
3. Work Perfor	med by	Address PPL SUS	SQUEHANNA, LL Name	<u>c</u>	Type Code S		n P.O. No., Job No., etc. NONE	
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Authorization	No	N/A	
		Address			Expiration Da	te	N/A	<u></u>
4. Identification	n of Systes	m ·	MAIN STEAM R	ELIEF VALVE D	ISCHARGE SY	STEM	283D-III	
(b) Applica	ble Edition	uction Code of Section XI Utilize onents Repaired or F	d for Repairs or Re	eplacements 19	89	Addenda	No Co	ode Case
Name Compor	-	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 I SUB ASS		BECHTEL	N/A	N/A	GBC201-13	1983	REPLACED	YES
2. LARGE I SUB ASS		PPL	N/A	N/A	GBC201-13	2003	REPLACEMENT	No
7. Description	of Work			Ser	PAGE 2 OF 2		<u> </u>	<u>]</u>
8. Tests Cond	ucted: ł	lydrostatic Other Press		Nominal C	Operating Pressuret Temp.	•r		

tion 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 thisREPLACEMENT 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 & Sheland Date JUNE 17, 20 03
Owner of Owner's Designes, Title Welding Engineer
CERTIFICATION OF INSERVICE INSPECTION
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 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.
Use II Commissions NG 7980 A N. I. B. NS PAZZO 4 Inspector's Signature National Board, State, Province, and Endorsements
Date 10 NE 18 20 0 3

			The Troquired By the Treviolen			<del></del>		
1.	Owner		PPL SUSQUEHANNA, LLC	Date		13-JUNE-2	2003	
		769 SALEM	A BLVD, BERWICK, PA 18603	Shee	t	of	2	·····
2.	Plant	Susqu	PEHANNA STEAM ELECTRIC STATION	Unit	*	Two		
		769 SALEM	BLVD, BERWICK, PA 18603		Pene	SEE BELOW	lob No. etc	
3. 1	Work Perl	formed by	PPL SUSQUEHANNA, LLC	Туре	Code Symb		·	ne _
		769 SALEM	BLVD, BERWICK, PA 18603	Autho	orization		N/A	
			ADDRESS	Expir	ation Date		N/A	
4.	Identifica	tion of System	MAIN STEAM RELIE	F VALVE DISCHA	RGE SYST	EM 28	83D-III	
	(b) Appl	icable Edition of	ion Code III 19 71 Edition, Section XI Utilized for Repairs or Replacements Repaired or Replaced and Replacem	ements 19 <u>89</u>	enda, <u> </u>	No Co	ode Case	
I	TEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	TE	SURE ST
	1 & 2	03-262-036 339507	REPLACE FLANGE BOLTS AT MSRV, OUTLET FLANGE CONNECTION M2 ON	1989 Ed No Ad	NONE	None	PRESS N/A	TEMP N/A

ITEM No	CRF /	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRESSURE TEST		
5 1 2 2	PCWO		ADDENDA	CASES		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 4	N/A	N/A	

1. Owne	er	PPL SUSQUEHANNA, LLC				Date 13 JUNE-2003				
	769 SAI	EM BLVD, BERW	ICK, PA 18603		Sheet	1 of	2			
2. Plant				Unit Two			<del></del>			
769 SALEM BLVD, BERWICK, PA 18603					SEE PAGE 2 OF 2  Repair Organization P.O. No., Job No., etc.					
3. Work	3. Work Performed by PPL SUSQUEHANNA, LLC				Type Code Symbol Stamp NONE					
769 SALEM BLVD, BERWICK, PA 18603				· · · · · · · · · · · · · · · · · · ·	Authorization No. N/A					
Address					Expiration Date N/A					
4. Ident	ification of System	m	STEA	M FLOW MON	TORS SYSTEM	28	3F-I			
5. (a) A	5. (a) Applicable Construction Code III 19 71 Edition				1, thru <b>W</b> *72	Addenda,	No C	ode Case		
		of Section XI Utilize				-				
6. Ident	ification of Comp	onents Repaired or F	Replaced and Repl	acement Compo	onents					
	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)		
,	CESS FLOW	MAROTTA SCIENTIFIC	191	453	XV241F071A	1977	REPLACED	YES		
2. Ex	CESS FLOW ECK VALVE	MAROTTA SCIENTIFIC	292	584	XV241F071A	1977	REPLACEMENT	YES		
	,	. !								
					٠.					
				-						
7. Desc	ription of Work			SEE	PAGE 2 OF 2					
	Conducted: I	Hydrostatic Other Pres	Pneumatic	Nominal	Operating Pressure st Temp.	X *	SEE PAGE 2 C	of 2		

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						
	<del> </del>					
OFFICIATION OF COURT INVO						
CERTIFICATION OF COMPLIANCE						
We certify that the statements made in the report are correct and this REPLACEMENT  ASME Code, Section XI. REPLACEMENT  repair or replacement	conforms to the rules of the					
Type Code Symbol Stamp N/A						
Certificate of Authorization No. N/A Expiration	N/A					
Signed Signed Date Sune	/8 · 20 <u>03</u>					
	<del></del>					
CERTIFICATION OF INSERVICE INSPECTION						
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressur Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSUR						
JOHNSTON, RHODE ISLAND have inspecte	d the components described					
to this Owner's Report during the period 11-1-02 to 3-26-6 the best of my knowledge and belief, the Owner has performed examinations and taken corrections.						
twiner's Report in accordance with the requirements of the ASME Code, Section XI.	ve measures described in this					
By signing this certificate neither the Inspector nor his employer makes any warranty, expresse						
xaminations and corrective measures described in this Owner's Report. Furthermore, neither the hall be liable in any manner for any personal injury or property damage or a loss of any kind arising the property damage or a loss of any kind arising the control of the control o						
nan be hable in any mainter for any personal injury of property damage of a loss of any kind arish Ispection.	ig from or connected with this					
William P Parent	F B US PAZZOA					
United Title Commissions NG 7980 A.N. Inspector's Sanature Commissions NG 7980 A.N. I	, Province, and Endorsements					
Inspector's Synature Commissions NG 7980 A.N. Inspector's Synature National Board, State						
2003						

1. Owner	Owner PPL SUSQUEHANNA, LLC				13-JUNE-2003			
	769 SALEM	M BLVD, BERWICK, PA 18603	Shee	t _	of	2		
2. Plant				UnitTwo				
769 SALEM BLVD, BERWICK, PA 18603				SEE BELOW Repair Organization P.O. No., Job No., etc.				
3. Work Perl	formed by	PPL SUSQUEHANNA, LLC	Туре	Code Symbo	ol Stamp	None		
	769 SALE	BLVD, BERWICK, PA 18603	Autho	orization		N/A		
		ADDRESS	Expir	ation Date		N/A		
4. Identifica	tion of System	STEAM FL	OW MONITORS S	YSTEM	283F-I			
		tion Code III 19 71 Edition, Section XI Utilized for Repairs or Replace		enda, N	0	Code Case		
6. Identifica	tion of Compone	ents Repaired or Replaced and Replacem	nent Components		• • • • • •			
ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING.	PRESSURE TEST PRESS   TEMP		

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

1. Owner	PPL SUSQUE	<del></del>		Date	16	5-Jun-2003	
769 SAI	LEM BLVD, BERW		·	Sheet	1 of	1	
2. Plant SUS	QUEHANNA STEAM		TION	Unit		Two	
769 SAI	EM BLVD, BERWI	_	<u> </u>	CRF		WO 411610 & 411 022 & G02-249-023	
3. Work Performed by	PPL Sus	SQUEHANNA, LL	<u>.c</u>	Type Code Sym	-	n P.O. No., Job No., etc. NONE	·
769 SAL	EM BLVD, BERWI			Authorization No	o	N/A	
	Address			Expiration Date		N/A	
4. Identification of System	m	RHR Poo	L SPRAY PUM	PS AND AUXILIAR	RY	249A-II	
<ul><li>5. (a) Applicable Constr</li><li>(b) Applicable Edition</li><li>6. Identification of Comp</li></ul>	of Section XI Utilize	d for Repairs or Re	eplacements 19	89 No Adde	-	No Co	ode Case
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	<b>Gвв207-1</b>	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 E	BRANCH CONNEC	TION, REI	PLACEMENT BY W	ELDING.
	Hydrostatic Doubles Press	Pneumatic		Operating Pressure st Temp.	<b>*</b> F	None	
	ntal sheets in form of						

tion 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)

emarks	Manufacturer's I		acned. BNI icable Manufacture				19/4 EQ NO /	10
		CEPTI	FICATION	OF COMP	LIANCE		· · · · · · · · · · · · · · · · · · ·	
\Ale c	certify that the statemen				Replacer	-	orms to the rules o	of the
	le, Section XI.	its made in the Top	on are correct		repair or repla			, a.c
ype Co	de Symbol Stamp	·			N/A			·
ertificat	e of Authorization No.	N/A	<del>\</del>	Expiration	<del></del>		N/A	·
Signed _	Source or Owner's	Le L Designee, Title Wek	dina Engineer	Date	Jun	ie 17	,20 <u>0</u>	, 3
							·	
		CERTIFICAT	TION OF IN	ISERVICE	INSPEC	CTION		
Province	rsigned, holding a valid of <u>PENNSYLVANIA</u>	and em	d by the Nation	nal Board of E FACTORY	<u>MUTUAL</u>	<u> INSURANCE</u>	CO	of
<b>JOHNS</b>	TON, RHODE ISLAND	<u> </u>	11-13-0		have i	nspected the c	omponents descri	bed
ha best	of my knowledge and to sport in accordance with	belief, the Owner ha	s performed s	examinations	and taken	corrective mea	asures described	in this
By signi	ng this certificate neith	er the inspector nor	r his employer	makes any w	arranty, e	xpressed or im	plied, concerning	the
all be liat	ble in any manner for a	ny personal injury o	or property dar	nage or a los	s of any ki	nd arising from	or connected wit	h this
pection.		***	Commi	ssions NB	7980	ANIBN	PA 22	04
pection. Ville	Inspector's Signa	ture		Nat	onal Boar	d. State. Provi	nce, and Endorse	ments

### 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

Pg. 1 of \_\_\_2

2. Manufactured for	Pennsylvania —————		HT CO, TWO	no of N Cortificate Holds NORTH NINTH S	T, ALLENTOWN	,PA 18101
3. Location of install	SUSQUEHU	ANNA, 5 MI NI		K, PA, 18603		
4. Model No., Series	No., or Type	ALVE Drav	HBV-A2-04- ving	eddress   -0017	O CRN	
S. ASME Code, Sec	tion III, Division 1:					
6. Pump or valve	VALVE	(edition) Nominal inlet size	1/2" /		1/2"	Case no.)
7. Material: Body	SA-105	Bonnet SA-10	(in.) 5 Diek	SA-479 Ty316	Bolting SA-193	GrB7/SA-194Gr2H
(a)	(b)			(4)	te	<b>)</b>
Cert.	Nat'l		Body	Bonnet	Dia	ik -
Holder's	Board		Serial	Serial	Ser	iat
Seriei No.	/ No.		No.	No.	No	) <b>.</b>
A020904-1-(1)	·····	R24	9-402-1	R249-402-1	P112	
	<del></del>				<del></del>	
	<del></del>					
. ———			<del></del>			<del></del>
					<del></del>	
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<del></del>					<del></del>	<del></del>
						<del></del>
						<del></del>
•						
· <del></del>						

(12/14)

This form #E00037) may be obtained from the Greer Dept., ASME, 22 Lew Drive, Box 2300, Feirfield, NJ 07007-2300.

<sup>\*</sup>Supplemental information in form of lists, electrice, or drawings may be used provided (1) size is 8 K × 11, (2) information in home 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 \_\_\_\_\_)

_			Cartificate	Holder's Serial &	A02	20904-1-(
•						1500#
I. Design conditions	(Greenwe)	Itemperatura		ressure class		
). Cold working pressure	450PSIG @ 2	40F pal et 100°F	•			
	600	partition (	40	ên.		
		Disk differential test pr				psi
l. Remarks:	~ <del></del>					
. ———						
				····		
		CERTIFICATION OF	DEBION			
Design Specification sart	filed by D.I	M. GROVES	P.A P.E. State		24	1926-E
•		CERTIFICATE OF CO	MPLIANCE			
NA						Margara te et ;
eva certify that the stator of the ASME Code. Secti		Report are correct and the	nt time pump or valve			
	stion No	N-2882		xplies11	/10/04	
N Certificate of Authoriz			*		1	
N Certificate of Authoriza	BNL IN	DUSTRIES, INC.	Signed	HXM	ندسمه	

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 itable in any manner for

any personal injury or property demage or a loss of any kind arising from or connected with this inspection.

(1) For manually operated valves only.

1. Owner		PPL SUSQUE	HANNA, LLC	· 	Date16-JUNE-2003				
	769 SAI	LEM BLVD, BERW			Sheet	1 0	f1		
2. Plant	Sus	AOGTESS QUEHANNA STEAN	I ELECTRIC STA	TION	Unit		Two		
	700.0	NAM	_	·	DCP 352493; WO 401060; CRF G02-2				
	769 SAI	EM BLVD, BERW Address	ICK, PA 18603	<del></del>			on P.O. No., Job No., etc.	51-020	
3. Work Perfo	rmed by	PPL Sus	SQUEHANNA, LL NAME	<u>C</u>	Type Code S	ymbol Stamp	None		
	769 SAL	EM BLVD, BERW	ск, РА 18603		Authorization	No	N/A		
		Address			Expiration Da	ite	N/A		
4. Identification	on of Syste	m		Core S	SPRAY 251	A-II			
(b) Applic	able Edition	uction Code  of Section XI Utilize onents Repaired or F	d for Repairs or Re	eplacements 19	89 No At	Addenda DDENDA	No C	ode Case	
Name Compo		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1. INSTRU		BECHTEL	N/A	N/A	JD-33-6-1A	1983	REPLACED	YES	
2. INSTRU		PPL	N/A	N/A	JD-33-6-1A	2003	REPLACEMENT	No	
3. INSTRU		BECHTEL	N/A	N/A	JD-33-6-1B	1983	REPLACED	YES	
4. INSTRU		PPL	N/A	N/A	JD-33-6-1B	2003	REPLACEMENT	No	
	÷								
7. Description	n of Work		REPLACE TUBIN	7	PPORT OF 2C0  Operating Pressu		ELOCATION NONE	<u> </u>	

recorded at the top of this form.

#### FORM NIS-2 (Back)

	Applicable Man	ufacturer's Data Reports to be atta	ched		
	<del></del>				
	CERTIFICAT	ION OF COMPLIAN	CE		
We certify that the statements made	de in the report are c			ms to the rules of the	
SME Code, Section XI.		teban or	replacement		
Type Code Symbol Stamp		N/A			
·					
Certificate of Authorization No.	N/A	Expiration		N/A	_
Signed Signed	el_		4NE 16	,20 <u>03</u>	
/Owner of Owner's Designee	, Title Welding Engine	.er			·
	EDTIFICATION C	F INSERVICE INSP	ECTION	<del></del>	
CE	ERTIFICATION	if Mackaice Mar	ECTION		•
the undersigned, holding a valid comm Province of PENNSYLVANIA	ission issued by the I	National Board of Boiler a by FACTORY MUTU	nd Pressure Vessel JAL INSURANCE (	Inspectors and the State	
JOHNSTON, RHODE ISLAND this Owner's Report during the period	9-13-02		re inspected the cor 3-24-03	mponents described , and state that	•
the best of my knowledge and belief, t	he Owner has perfor	med examinations and tak			
wner's Report in accordance with the re By signing this certificate neither the I			v evoressed or imp	liad concerning the	
aminations and corrective measures d	escribed in this Owne	er's Report. Furthermore	, neither the Inspec	tor nor his employer	
nall be liable in any manner for any pers spection.	sonal injury or propert	ly damage or a loss of an	y kind arising from (	or connected with this	
			04459	NE PARROA	
· • · · · · · ·	<i>TT</i> C	ammissions NR 79 R			
Villiam T. Rogusz Inspector's Signature ate TUNE 18 2003	<u> </u>	ommissions <u>NG 79 8</u> National B	oard, State, Province	e, and Endorsements	

		NAM	HANNA, LLC	<del></del>	Date	13-	JUNE-2003			
	769 SAL	EM BLVD, BERWI	ск, PA 18603	···	Sheet1	of	6			
2. Plant	Susc	QUEHANNA STEAM		TON	Unit	UnitTwo				
	769 SAL	NAME EM BLVD, BERWI			•	SEE PAG	ES 6 THRU 6			
		Address		<del></del> .	Rep	air Organization	P.O. No., Job No., etc.			
3. Work F	Performed by	PPL Sus	QUEHANNA, LL	<u> </u>	Type Code Sym	bol Stamp	None			
	769 SAL	EM BLVD, BERWI	ск, PA 18603	<del></del>	Authorization No	D	N/A			
					Expiration Date		N/A			
4. Identi	fication of System	n	<del></del>	REACTOR \	VESSEL 26	62A-I				
5. (a) A	policable Constru	uction Code	III 19	71 Edition	thru S'71	Addenda.	1535-2 C	ode Case		
		of Section XI Utilized								
	•	,		•	*		•			
6. Identi	ncation of Compo	onents Repaired or R	replaced and Repl	acement Compo	nents			•		
		,				1		<del></del>		
		·						ASME		
				National		1 1	Repaired,	Code Stamped		
-	Name of	Name of	Manufacturer	Board No.	Other	Year	Replaced, or Replacement	(Yes or		
C	omponent	Manufacturer	Serial No.	140.	Identification	Built	Replacement	No)		
1. 26"	MSIV	Atwood & Morrill	9-221	NA NA	HV241F022A	1974	Replaced	Yes		
2. 26	MSIV	Atwood & Morrill	9-221	NA NA	HV241F022A	1974	Repaired	Yes		
3. Su	per Bolts	Atwood & Morrill	N/A	NA NA	HV241F022A	2002	Replacement	No		
torque	nut assemblies				<u> </u>		-			
4. Po	ppet	Atwood & Morrill	230-1	NA NA	HV241F022A	2002	Replacement	Yes		
5. Bo	nnet Cover	Atwood & Morrill	231-2	NA NA	HV241F022A	2002	Replacement	Yes		
6. Bo	nnet Cover	Atwood & Morrill	231-2	NA NA	HV241F022A	2002	Repaired	Yes		
7. Pik	ot Poppet	Atwood & Morrill	1	NA 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. Desa	ription of Work				SEE PAGE 6					
8. Tests	Conducted: H	lydrostatic	Pneumatic	Nominal	Operating Pressure	X	SEE PAGES 6 T	HRU 6		
	(	Other Press	sure	psi Te	st Temp.	<b>:</b> 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)

		Apolicat	de Manufacturer's	Data Reports to be attach	ned		
			<del></del>				<del></del>
		CERTIF	CATION O	F COMPLIANC	E		
Wed	certify that the statemen	its made in the report	t are correct a	nd this Rep Replac	PAIR	conforms to the	e rules of the
SME Cod	le, Section XI.			repair or re	splacement		
Туре Со	ode Symbol Stamp			N/A			
Certificat	te of Authorization No.	N/A		Expiration		N/A	
Signed	& Ble	lail		Date 🗸	INE	17. ,2	0 03
	/Owner or Owner's D	Designee, Title Welding	g Engineer				
		CERTIFICATION	ON OF INS	ERVICE INSPI	ECTION		
	rsigned, holding a valid	commission issued b	y the National	Board of Boiler an	d Pressure	Vessel Inspect	ors and the State
	of <u>Pennsylvania</u> Ston, Rhode Island	· ·	<u> </u>		inspected	the component	of state of the state of
	er's Report during the p of my knowledge and b		6-03		- ZZ-		, and state that
vner's Re	eport in accordance with	h the requirements of	the ASME Co	de, Section XI.			
	ing this certificate neithers and corrective meas	ures described in this	Owner's Rep	ort. Furthermore,	neither the	Inspector nor h	is employer
aminatio	ble in any manner for a	ny personal injury or p	property dama	ge or a loss of any	kind arisin	ig from or conne	cted with this
aminatio all be lial spection.					4.1-	0.10	2.
aminatio all be lial pection.	Inspector's Signat	<u>গ্রা</u>	Commiss	ions <u>NB 7980</u> National Bo	HNI	,8,03	PA 2204

1. Owner		PPL SUSQUE			Date	13	-JUNE-2003	
769	9 SALE	EM BLVD, BERWI	<u>-</u>		Sheet	of	6	
2. Plant	Susq	Address UEHANNA STEAM	ELECTRIC STA	TION	Unit		Two	
		Name		· · · · · · · · · · · · · · · · · · ·	<u> </u>	0 D.		
769	9 SALE	Address	ск, РА 18603				GES 6 THRU 6 on P.O. No., Job No., etc	<del></del>
3. Work Performed	by _	PPL Sus	SQUEHANNA, LL	<u>c                                      </u>	Type Code	Symbol Stamp	Non	NE
769	9 SALE	M BLVD, BERWI			Authorizatio	n No.	N/A	
		Address			Expiration D	ate	N/A	
4. Identification of	System	l		REACTOR	VESSEL	262A-I		
(b) Applicable I	Edition	ction Code of Section XI Utilize	III 19 d for Repairs or Re	71 Edition	89 No A	Addenda,	1535-2	Code Case
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 assem	hlies	Atwood & Morrill	N/A	NA NA	HV241F022	B 2002	□ Replacement	No
11. Poppet	DICO	Atwood & Morrill	230-2	NA NA	HV241F022	B 2002	Replacement	Yes
12. Bonnet Cove	r	Atwood & Morrill	231-5	NA	HV241F022	B 2002	Replacement	Yes
13. Bonnet Cove	F	Atwood & Morrill	231-5	NA	HV241F022	B 2002	Repaired	Yes
14. Pilot Poppet	·	Atwood & Morrill	2	NA	HV241F022	B 2002	Replacement	Yes
15. Body/Bonnet	t Stud	Atwood & Morrill	NA	NA	HV241F022	B 2002	Replacement	No
16. 26" MSIV		Atwood & Morrill	15-221	NA NA	HV241F022	C 1974	Replaced	Yes
17. 26" MSIV		Atwood & Morrill	15-221	NA	HV241F022	C 1974	Repaired	Yes
18. Super Bolts torque nut assem	ıblies	Atwood & Morrill	N/A	NA NA	HV241F022	C 2002	Replacement	No
19. Poppet		Atwood & Morrill	230-3	NA	HV241F022	C 2002	Replacement	Yes
20. Bonnet Cove	er	Atwood & Morrill	231-3	NA NA	HV241F022	C 2002	Replacement	Yes
21. Bonnet Cove	er	Atwood & Morrill	231-3	NA NA	HV241F022	C 2002	Repaired	Yes
22 Pilot Poppet		Atuand & Marrill	3	NA.	LN/241E022	2003	Penlacement	Vac

1. Owner	PPL SUSQUE			Date	13-	-JUNE-2003	<del></del>
769 S	ALEM BLVD, BERW	ск, PA 18603		Sheet	3 of	6	
2. Plant SU	SQUEHANNA STEAM	ELECTRIC STAT	TION	Unit		Two	
	NAM	_					
769 S	ALEM BLVD, BERW	ICK, PA 18603				GES 6 THRU 6 in P.O. No., Job No., etc	<u> </u>
3. Work Performed by	PPL Sus	SQUEHANNA, LL	<u>c</u>		symbol Stamp	, ,	
769 S	ALEM BLVD, BERW	NAME ICK, PA 18603		Authorization	No.	N/A	
<u> </u>	Address			Expiration Da	ate	N/A	
4. Identification of Sys	stem		REACTOR \	VESSEL	262A-I		
5. (a) Applicable Con	struction Code			thru S'71	Addenda,	1535-2	Code Case
	ion of Section XI Utilize				DDENDA		
6. Identification of Cor	mponents Repaired or F	Replaced and Repl	acement Compo	nents			
	<u> </u>	I		I	<del>-  </del>		1
		ĺ	National National	1		Repaired.	ASME Code
Name of	Name of	Manufacturer	Board No.	Other	Year	Replaced, or	Stamped (Yes or
Component	Manufacturer	Serial No.	NO.	Identification	Built	Replacement	No)
23. 26" MSIV	Atwood & Morrill	16-221	NA NA	HV241F022D	1974	Replaced	Yes
24. 26" MSIV	Atwood & Morrill	16-221	NA	HV241F022D	1974	Repaired	Yes
25. Super Bolts	Atwood & Morrill	N/A	NA	HV241F022D	2002	Replacement	No
torque nut assemblie 26. Poppet	S Atwood & Morrill	230-4	NA NA	HV241F022D	2002	Replacement	Yes
	At	004.4	110	1004450005	2000		
27. Bonnet Cover	Atwood & Morrill	231-4	NA 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 NA	HV241F028A	1974	Repaired	Yes
32. Super Bolts	Atwood & Morrill	N/A	NA NA	HV241F028A	2002	Replacement	No
torque nut assemblie	<del></del>						
33. Poppet	Atwood & Morrill	230-5	NA NA	HV241F028A	2001	Replacement	Yes
34. Bonnet Cover	Atwood & Morrill	HT H3391 S/N 7	NA NA	HV241F028A	2002	Replacement	Yes
35 Pilot Poppet	Abyood & Morrill	5	NΔ	H\/241E028A	2002	Penlacement	Vec

1. Owner		PPL SUSQUE			Date	13-	-JUNE-2003	
	769 SAL	EM BLVD, BERWI	· <del>-</del>	· · · · · · · · · · · · · · · · · · ·	Sheet	4 of	6	
2. Plant	Susc	Address  QUEHANNA STEAM  NAME		TION	Unit		Two	
	769 SAL	EM BLVD, BERWI			<u> </u>		SES 6 THRU 6 n P.O. No., Job No., etc.	
3. Work Per	formed by		SQUEHANNA, LL	<u>c</u>	Type Code S			
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Authorization	No	N/A	
		7.33.55			Expiration Da	ite	N/A	
4. Identifica	tion of Syster	m		REACTOR \	/ESSEL	262A-I		
(b) Appl	licable Edition	uction Code of Section XI Utilize onents Repaired or F	d for Repairs or Re	eplacements 19	89 No Ac	Addenda, DDENDA	1535-2	Code Case
, ,,,,,,	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National ' Board No.	Other Identification	<b>Ye</b> ar Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
36. 26" M	SIV	Atwood & Morrill	11-221	NA	HV241F028B	1974	Replaced	Yes
37. 26" M	SIV	Atwood & Morrill	11-221	NA	HV241F028B	1974	Repaired	Yes
38. Super	Bolts assemblies	Atwood & Morrill	N/A	NA	HV241F028B	2002	Replacement	No
39. Рорре		Atwood & Morrill	230-6	NA	HV241F028B	2002	Replacement	Yes
40. Bonne	et Cover	Atwood & Morrill	231-6	NA NA	HV241F028B	2002	Replacement	Yes
41. Pilot F	Poppet	Atwood & Morrill	6	NA	HV241F028B	2002	Replacement	Yes
42. 26" M	SIV	Atwood & Morrill	13-221	NA	HV241F028C	1974	Replaced	Yes
43. 26" M	SIV	Atwood & Morrill	13-221	NA	HV241F028C	1974	Repaired	Yes
44. Super	Bolts assemblies	Atwood & Morrill	N/A	NA	HV241F028C	2002	Replacement	No
45. Poppe	et	Atwood & Morrill	HT 21115 S/N 1	NA	HV241F028C	2002	Replacement	Yes
46. Bonne	et Cover	Atwood & Morrill	231-7	NA	HV241F028C	2002	Replacement	Yes
47. Pilot P	Poppet	Atwood & Morrill	7	NA	HV241F028C	2002	Replacement	Yes
48 26" M	SIV	Atwood & Morrill	14-221	NA	HV241F028D	1974	Replaced	Yes

1. Owner		PPL SUSQUEI			Date	13-	JUNE-2003	<u>.</u>	
	769 SALE	EM BLVD, BERWI	<del>-</del>		Sheet	5 of	6		
		Address	<b>5</b>				_		
2. Plant	Susq	UEHANNA STEAM		TION	Unit	· <u> </u>	Two	<del></del>	
	760 SALE	EM BLVD, BERWI				SEE PAG	ES 6 THRU 6		
	703 OALL	Address	JK, 177 10000		Rep		ion P.O. No., Job No., etc.		
3. Work Perform	ned by	PPL Sus	QUEHANNA, LL	С	Type Code Syn	nbol Stamp	Non	Ē	
	_		NAME		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	769 SALE	M BLVD, BERWI	ск, РА 18603		Authorization N	o	N/A		
		Address			E torres Ba			·	
					Expiration Date		N/A		
4. Identification	n of System	)		REACTOR \	/ESSEL 2	62A-I			
5. (a) Applicab	ole Constru	ction Code			thru S'71	Addenda,	1535-2	Code Case	
		of Section XI Utilized							
6. Identification	n of Compo	nents Repaired or R	eplaced and Repl	acement Compo	nents				
<u> </u>	<u> </u>								
Name o Compon	-:	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 NA	HV241F028D	1974	Repaired	Yes	
50. Super Bottorque nut ass		Atwood & Morrill	N/A	NA NA	HV241F028D	2002	Replacement	No	
51. Poppet	-	Atwood & Morrill	230-8	NA NA	HV241F028D	2002	Replacement	Yes	
52. Bonnet C	over	Atwood & Morrill	231-1	NA	HV241F028D	2002	Replacement	Yes	
53. Pilot Popp	pet	Atwood & Morrill	8	NA NA	HV241F028D	2002	Replacement	Yes	

1. Owner	PPL S	USQUEHANN NAME	A, LLC		Date	13-J	UNE-2003
	769 SALEM BLVD,	BERWICK, I	PA 1860	3	Sheet	_6_ of	6
2. Plant	SUSQUEHANNA	STEAM ELE	CTRIC ST	ATION	Unit	·····	Two
	769 SALEM BLVD,	BERWICK, I	PA 1860	3	<u></u>		S 6 THRU 6 P.O. No., Job No., etc.
3. Work Perf	ormed by P	PL SUSQUE		LC	Type Code	Symbol Stamp	None
	769 SALEM BLVD,		PA 18603	3	Authorizatio	n No	N/A
	ADD	RESS			Expiration D	ate	N/A
4. Identifica	tion of System			REACTOR	VESSEL	262A-I	
	cable Construction Code			ition, thru S7		1535-2 ADDENDA	Code Case
6. Identifica	tion of Components Repa	aired or Replac	ed and Rep	placement Comp	onents		

ITEM No	CRF / PCWO /	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE	TESTING	PRES TE PRESS	
	MOD				•		
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

# 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., I	nc. 285	Canal Street	Salem,	MA 01970		
2.	Manufactured for Pennsylva		erwick, P	A 18603	r)			
3.	Location of installation Susq	uehanna II 2 North Nir	nth Stree		A 18101	-1179	<del></del>	
4.	Type: *32467-622-D R( (drawing no.)	ev.9 SA 105 GR (marl. spec. no.)	11	546 MPa (tensile strength)		N/A (CRN)		2002 par built)
5.	ASME Code, Section III, Division	1: 1971 (edition)		71 da date)	(class)		N/A (Code Case no.	<del>.)</del>
6.	Fabricated in accordance with Co	nst. Spec. (Div. 2 only)	N/A (no.)	Revision	N/A	Date	N/A	
7.	(A&M S.O. 90168) *Dwg. Section III 1971 Edition su						n of ASME	
8.	Nom. Thickness (in.) 7.5	Min. design thickness (in.)	5.49	Dia. ID (ft & in.)	N/A	Length over	all (ft& in.)	N/A
9.	When applicable, Certificate Holde	ers' Data Reports are attache	ed for each	item of this report:				
	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurten Serial Numbe		Во	lational pard No. perical Order	
	(1) HT 47433 S/N 230-1	N/A	(2	·			<u> </u>	_ .
	(2)		(2		·	· · · · · · · · · · · · · · · · · · ·		$\dashv$
	(4)	<u></u>	(2			<del> </del>		
	(5)		(3	0)		<b>—</b>		
	(6)		<b>†</b>   (3	1)		<del>                                     </del>		<b>-</b>
	(7)		(3:	2)				
	(8)		(3:	3)				
	(9)		(3	4)		<del> </del>	<del></del>	
	(10)		<del> </del>   (3։	5)			<del></del>	<b></b>   ·
	(11)		<b>Т</b>   (3	6)				<del></del>
	(12)		] (3	7)				
	(13)		] (3					
	(14)	· · · · · · · · · · · · · · · · · · ·	(3:	·		<del> </del>		
	(15)	m	(4)		• • • • • • • •			
	(16) (17)		- (4:			<del> </del>		
	(18)		(4					<del> </del> .
	(19)		(4			<del> </del>		$\overline{}$
•	(20)		1 (4			<del> </del>	· · · ·	-
	(21)		(4			<b>-</b>		
	(22)		(4			<b>T</b>		$\dashv$
	(23)		(4	3)				
	(24)		(4	9)				
	(25)		(50	0)				
1	0. Design pressure 1250	psi. Temp. 5	75 °F	. Hydro, test pres	sure	N/A (when applicable	At temp	). <b>°</b> F

<sup>\*</sup>Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. HT: 47433 S/N 230-1 through N/A **CERTIFICATION OF DESIGN** Design specifications certified by P.E. N/A N/A Reg. no. N/A State (when applicable) P.E. Design report \* certified by N/A N/A Reg. no. N/A State (when applicable) 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** Name Atwood & Morrill Co., Inc. **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 have inspected these items described in this Data Report on 12-17-02 , and state that to the Hartford, CT 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.

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

Not to Exceed One Day's Production

1.	Manuf	actured and certified by	Atwood & Morrill Co	)., Inc. 285 (		Salem, I	MA 01970	•	
2.	Manuf	actured for Pennsylv	ania Power & Light		18603	ser)			
3.	Location	on of installation Sus	quehanna II 2 North	Ninth Street		PA 18101	-1179		•
4.	Туре:	*32162-409-D F	Rev. 1 SA 105 G	SR II	552 MPa		N/A	2002	2
		(drawing no.)	(mari, spec.	no.)	(tensile strength)		(CRN)	(year bu	ilt)
5.	ASME	Code, Section III, Division	n 1: 1971 (edition)	S7		(class)		N/A (Code Case no.)	_:_
6.	Fabric	ated in accordance with C	• •	N/A	Revision	N/A	Date	N/A	
				. (na.)					
7.	Remar		A&M Item 21 Qty. 7 C						
			. prepared by A&M.		tion meets th	e require	d informati	on of ASME	
	Sec	tion III 1971 Eattion :	summer 1971 addend	<u>a                                      </u>				•	
8.	Nom. 7	Thickness (in.) 5.3125	Min. design thickness (in.	5.094	Dia. ID (ft & in.)	N/A	Length over	rali (ft& in.) 🐪 N	/A
_			·				•		
9.	When :	applicable, Certificate Hol	ders' Data Reports are atta	ched for each i	em of this repo	rt:			
		· · · · · · · · · · · · · · · · · · ·			<del></del>	<del></del>	1	<del></del>	7
	P	art or Appurtenance	National		Part or Appurte			Vational	1
	١.	Serial Number	Board No.	.	Serial Num	ber		oard No.	1
•	ļ .	• •	In Numerical Order			•	in Nur	nerical Order	
	(1)	HT: 47433 S/N 231-1	N/A	(26)	`			-	1.
	(2)	HT: 47433 S/N 231-2	N/A	(27)			<del> </del>		٠ŀ
	(3)	HT: 47433 S/N 231-3	N/A	(28)			<del> </del>	· · · · · · · · · · · · · · · · · · ·	┨
	(4)	HT: 47433 S/N 231-4	N/A	(29)			<u> </u>		┨ .
	(5)	HT: 47433 S/N 231-5	N/A	(30)			<u> </u>		-
	(6)	HT: 47433 S/N 231-6	N/A	(31)			<del> </del>		┨
	(7)	HT: 47433 S/N 231-7		(32)			<del> </del>		┨ .
	(8)	F11. 47400 0/14 201-7	N/A	(33)					-{
	(9)		·	(34)			ļ		┨.
	(10)			(35)			<del>                                     </del>		-
	(11)			(36)			<del> </del>		-
	(12)	<del></del>		(37)					1
	(13)		······································	(38)					1
	(14)	<del></del>		(39)			<del> </del>	<del></del>	┨
	(15)			(40)			<del></del>	<del></del>	†
	(16)		<del></del>	(41)			<del> </del>		┪
	(17)			(42)					‡
	(18)		<del></del>	(43)			· ·	<del>_</del>	┪
	(19)		<del></del>	(44)		<u> </u>	<del></del>		┪
	(20)		<del></del>	(45)	<del></del>		<del>                                     </del>		┪.
	(21)		<del></del>	(46)	<del></del>				1
	(22)			(47)	<del></del>		<del>                                     </del>	<del></del>	1
	(23)	<del></del>	<del></del>	(48)			<del> </del>		1
	(24)	<del></del>		(49)	<del></del>		<del> </del>		1
	(25)		-,	(50)			<del> </del>	<del></del>	1
		<u></u>					J		J

575

10. Design pressure

1250

psi. Temp.

\*F. Hydro, test pressure

At temp. \*F

(when applicable)

<sup>&</sup>quot;Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 S/N 231-7 **CERTIFICATION OF DESIGN** Design specifications certified by P.E. State N/A Reg. no. N/A (when applicabl Design report \* certified by P.E. State N/A Reg. no. N/A N/A (when applicable) 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 Atwood & Morrill Co., Inc. 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 And employed by H.S.B.C.T. **New York** Hartford, CT have inspected these items described in this Data Report on , 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. Commissions

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

Pg. 1 of 2

1.	Manui	factured and certified by	Atwood	& Morrill Co.	, Inc. 2	85 C	Canal Street	Salem, I	MA 01970		
2.	Manul	factured for Pennsylv	ania Pow		Berwicl	k, PA	18603				
3.	Locati	on of installation Sus	quehanna	a II 2 North N	•	reet		•	-1179		•
4.	Туре:	*32462-613-C [	Rev.0	SA 479-3			37,800 PSI		N/A		002
		(drawing no.)		(maři. spec. no	0.)	1	tensile strength)		(CRN)	(ye:	ar built)
5.	ASME	Code, Section III, Division	n 1:	1971 (edition)	(2	S7 ddenda	·	(class)		N/A (Code Case no.	)
6.	Fabric	ated in accordance with C	onst. Spec.	(Div. 2 only)	N/A		Revision	N/A	Date	N/A	
7.	Remai	0000. 100177			ot Popp	et A					
		M S.O. 90168) *Dwg				<u>ificat</u>	ion meets the	e require	d information	on of ASME	
	Sec	tion III 1971 Edition	Summer 1	971 addenda	a					·	
8.	Nom.	Thickness (in.) 1.50	Min. desig	n thickness (in.)	1.36	<u>.                                    </u>	Dia. ID (ft & in.)	N/A	Length over	all (ft& in.)	N/A
9.	When	applicable, Certificate Hol	ders' Data R	leports are attac	hed for e	ach it	ein of this report	•	<del> </del>		
	F	Part or Appurtenance Serial Number	В	National oard No. merical Order			Part or Appurter Serial Numb		Bo	lational pard No. perical Order	
	(1)	HT: 72402 S/N 1		N/A		(26)		·		•	
	(2)	HT: 72402 S/N 2		N/A		(27)					
	(3)	HT: 72402 S/N-3		N/A		(28)					
	(4)	HT: 72402 S/N 5		N/A		(29)				• ,	
	(5)					(30)					
	(6)					(31)					
	(7)					(32)					
	(8)					(33)					
	(9)		,			(34)				<u> </u>	
	(10)			•		(35)					
	(11)					(36)				<u> </u>	
	(12)			· · · · · · · · · · · · · · · · · · ·		(37)		<del></del>			
	(13)			<del></del>		(38)			<u> </u>		_
	(15)			<del></del>	{	(40)					$\dashv$
	(16)				=-	(41)					=
	(17)					(42)					
	(18)		-		_	(43)	<del></del>				
	(19)		·			(44)					
	(20)				<u> </u>	(45)					1
	(21)			·		(46)					
	(22)					. (47)					
	(23)					(48)					
	(24)					(49)			<u> </u>		
	(25)	l				(50)					
1	0. Des	ign pressure 125	n psi.	Temp.	575	۴.	Hydro, test pres	ssure	N/A	At temp	. <b>*</b> F

(when applicable)

<sup>\*</sup>Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

	Certificate Hold	ders' Serial Nos.	HT: 72	402 throug	h S/N: 1, 2, 3, 5				
	CERTIFICA	ATION 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				
	CERTIFICAT	E OF COMPLIANCE	<b>=</b>						
We certify that the statements made in this report are correct and that this (these)  Conforms to the rules of construction of the ASME Code, Section III, Division 1.									
NPT Certificate of Authorization No.	N2607	Expires	•.•	6-13-04	4				
Date 1//14/62 Name	Atwood & Morrill		Signed <u>(</u>	rea V. S. (authorized	representative)				
		re of inspection							
I, the undersigned, holding a valid commit  New York  An	ssion issued by the National I	Board of Boiler and F	ressure Vess H.S.E	•	he State or Province of				
Best of my knowledge and belief, the Cert III, Division 1. Each part listed has been a By signing this certificate, neither the insp in this Data Report. Furthermore, neither loss of any kind arising from or connected Date	outhorized for stamping on the ector nor his employer makes the inspector nor his employe	these parts or appurt a date shown above. a any warranty, expre er shall be liable in an	enances in ac	d, concerning the	equipment described				
11/11/10	(authorized inspects		•	[Nat'l Bd. (incl. Endorsed	ments) 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.	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 Pennsylva	•	erwick, PA	•	r)		<del></del>	·	
3.	Location of installation Susq	uehanna II 2 North Nir	nth Street		A 18101	-1179			
4.	Type: *32467-622-D Ro	ev.9 SA 105 GR   (mat/l. spec. no.)		546 MPa (tensile strength)	<del> </del>	N/A (CRN)		002 or built)	
5.	ASME Code, Section III, Division	1: 1971 (edition)	S7 (addenda		1 (class)		N/A (Code Case no.)		
6.	Fabricated in accordance with Cor	nst. 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 overa	ill (ft& in.)	N/A	
9.	When applicable, Certificate Holde	ers' Data Reports are attache	d for each it	em of this report:					
	Part or Appurtenance Serial Number	National Board No In Numerical Order		Part or Appurtent Serial Numbe		Box	ational ard No. erical Order		
	(1) HT 47433 S/N 230-2	N/A	(26)	<del></del>					
	(2)		(27)			<u> </u>	·····	_	
	(4)	 	(29)	•		-			
	(5)	<u></u>	(30)					_	
	(6)		(31)		• • • • • • • • • • • • • • • • • • • •			-	
	(7)		(32)						
	(8)		(33)					-	
	(9)		(34)	-		1	•	$\dashv$	
	(10)		(35)			<del> </del>		$\dashv$	
	(11)		(36)						
	(12)	·	(37)	<del> </del>				_	
	(13)	·	(38)   (39)		····	<del> </del>	<del></del>		
	(15)		(40)					=-	
	(16)		(41)						
	(17)		(42)						
	(18) (19)		(43) (44)		<u>.</u>			_	
	(20)		(45)				· · · · · · · · · · · · · · · · · · ·		
	(21)		(46)						
	(22)		(47)						
	(23)		(48)						
	(24)		(49)		<del></del>	ļ		_	
	(25)		(50)		<del></del>	1			
10	D. Design pressure 1250	psi. Temp. 57	<u>'5</u> •F.	Hydro. test pres	sure	N/A	At temp.	<b>•</b> F	

<sup>\*</sup>Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. HT: 47433 S/N 230-2 N/A **CERTIFICATION OF DESIGN** Design specifications certified by P.E. N/A N/A Reg. no. N/A State (when applicable) Design report \* certified by P.E. N/A N/A Reg. no. N/A State (when applicable) 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 Atwood & Morrill Co., Inc. (NPT Certificate Holder) 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. have inspected these items described in this Data Report on Hartford, CT , 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. Signed (authorized inspector)

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

1.	1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970								
2.	Manuf	actured for Pennsylv	·	Berwick, PA	•	iser)	<u>-</u>		<u> </u>
3.	Location	on of installation Sus	squehanna II 2 North N	inth Street A	llentown,	PA 18101	-1179		•
4.	Type:	*32162-409-D F (drawing no.)	Rev. 1 SA 105 GR (mart. spec. no.		52 MPa		N/A (CRN)		02 built)
5.	ASME	Code, Section III, Divisio	n 1: 1971 (edition)	S71 (addenda da	ite)	(class)		N/A (Code Case no.)	
6.	Fabrica	ated in accordance with C	Const. Spec. (Div. 2 only)	N/A F	Revision	N/A	Date	N/A	
	Sec	M S.O. 90168) *Dwg tion III 1971 Edition	A&M Item 21 Qty. 7 Cov p. prepared by A&M. Th summer 1971 addenda	is certificatio	n meets ti	ne require	d informatio		
			Min. design thickness (in.)  ders' Data Reports are attach		a. ID (it & in.)		Length overa	iii (R& In.)	N/A_
	P	art or Appurtenance Serial Number	National Board No. In Numerical Order	Pa	art or Appurt Serial Nurr		Bo	ational ard No: erical Order	
	(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16)	HT: 47433 S/N 231-1 HT: 47433 S/N 231-2 HT: 47433 S/N 231-3 HT: 47433 S/N 231-4 HT: 47433 S/N 231-5 HT: 47433 S/N 231-6 HT: 47433 S/N 231-7	N/A N/A N/A N/A N/A N/A N/A N/A	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41)					
. 10	(17) (18) (19) (20) (21) (22) (23) (24) (25)	gn pressure 125	0 psi. Temp. 5	(42) (43) (44) (45) (46) (47) (48) (49) (50)	ydro. test pr	essure	N/A (when applicable)	At temp.	•F

<sup>&</sup>quot;Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 S/N 231-7 **CERTIFICATION OF DESIGN** Design specifications certified by P.E. State N/A Reg. no. N/A (when applicable) Design report \* certified by N/A P.E. State N/A Reg. no. N/A (when applicable) 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 6-13-04 Atwood & Morrill Co., Inc. (NPT Certificate Holder) 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. have inspected these items described in this Data Report on Hartford, CT , 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. Commissions

#### · HSB-CT REPORT OF REPAIRS OR ALTERATIONS

☐ WE	ELD REPAIRS	NON-WELD	REPAIRS	☐ ALTERA	ATIONS	3				
1.		BY (Name and Address rill Co., inc., 28			0197	'0				
2.	Susquehanna	FOR (Name and Plant II 2 North Ninth	Street Allen	town, PA. 18	101-11	79				
3.	Cover A	Bailer, Pressure Vesse SME CL 1				MANUFACTURE d & Morrill C				
4.	HT: #. 47433		e, other) (A&M SO #:	90168-21)					, ,	EAR BUILT 2003
5.		g,yoke rod, pac				,				
6.	Yes No	·				CE WITH ASME				
	PROCEDURE DESIGNA	NATION	N/A	OF QUALIFICATIO			TEST RES		io	
	WELDER'S NAME N/A		N/A	AST QUALIFIED	Ņ/Α	ER'S NAME		·		NATE LAST QUALIFIED
7.	' Attached are Manufacturer's Partial Data Reports properly identified and Signed by Commissioned Inspectors for the following items of this report:									
	N/A  UST OF MATERIAL USED AND METHOD OF ATTACHMENT									
2.			<del></del>			<del>.                                      </del>	<del></del>			
	Part identification	Number	Diameter or \$	Size Typ		Material Type a	nd Grade	Thic	(ness	How Attached
	N/A					-				
	N/A			-						
	N/A								<del></del>	
9.	N/A REMARKS		<u></u>					<del></del> -		<u> </u>
	No new materi	als were used i	n this repair.	No welding	was p	erformed				
10.	N/A	LE WORKING PRESS			N/A	STATIC TEST (P	ressure)			
11.	REPAIR/ALTERATION Owner's Instru	NS MADE IN ACCORD. Ictions Natio	ANCE WITH onat Board Rule:	s 🔲 Repa	irs Con	cern's Plans	<b>⊠</b> ASME	Code		
12.	REPAIRALTERATION Mark Sawicki	N PLANS APPROVED	BY (Name of Owne	r's Representative)					3/31/C	F APPROVAL 13
FICATION		ydrostatic test wi	ithout evidenc	e of leakage	or othe	r signs of dis		when (	comple	ted satisfactorily
CERTIFICA	DATE (Month, Day, Your 3/51/03	sar) SIGNATU	RE (Manufacturor o	Repolitation	Concern)		BY (Represe Atwood		rill Co.	, Inc.
										essel inspectors
Ö	-and/or the State									ped above and representative of
CERTIFICATE OF REPAIR OR ALTERATION INSP.	State that to the	Atwood at	Co. Inc.	MAteration	Concern)	runea to a	ibove	by the 1	are correct.	
P S	By signing this	certificate neithe	er the Inspect	or nor the Ha	entford :	Steam Boiler	Inspectio	n and	Insura	nce Company of
ATE	Connecticut ma	ikes any warrant ector nor the Ha	ty, expressed artford Steam	or implied, or Boiler Inspec	concernation an	ing the object of Insurance	d describ Company	ed in t	ihis rep	ort. Furthermore cut shall be liable
ALT.	in any manner	for any personal	l injury or pro	perty damage	e or a	loss of any k	ind arisin	g from	or co	nnected with this
ERT ,										Boiler Inspection
<b>ʊ</b> ⋅	and Insurance ( said policy.	Company of Co	nnecticut may	r issue upon	said ol	oject and the	n only in	accon	gance v	with the terms of
	DATE (Month, Day, Ye	signa Du	RE (Inspector)				COMMISSIO	NS (Stat	e or Natio	nal Board No.)
	3/31/0	3	14	fann	<u> </u>		M	4 11	257	AN
2033-CT	REV 2/85 (ENG)	<del>,</del>						IRIK	111	

## 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								
2.	Manuf	factured for Pennsylv	•	Berwick, PA 186	603				
3.	Locati	on of installation Sus	quehanna II 2 North N	•	•	-1179	·		
4.	Туре:	*32462-613-C F	•	0487,800		N/A (CRN)	2002 (year built)		
5.	ASME	Code, Section III, Division	1971 (edition)	S71 (addenda date)	(class)		N/A (Code Case no.)		
6.	Fabric	ated in accordance with Co	•	N/A Revis	ion N/A	Date	N/A		
	Sec	M S.O. 90168) *Dwg	A&M Item 21 Qty. 4 Pil.  prepared by A&M. T Summer 1971 addenda  Min. design thickness (in.)	ot Poppet A&M Pa his certification manager			on of ASME		
			ders' Data Reports are attac						
	F	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Appurtenance ial Number	Bó	ational ard No. erical Order		
	(1) (2) (3) (4)	HT: 72402 S/N 1 HT: 72402 S/N 2 HT: 72402 S/N 3	N/A N/A N/A N/A	(26) (27) (28) (29)					
	(5) (6) (7)	HT: 72402 S/N 5	IWA	(30)					
	(8) (9) (10)			(33) (34) (35)					
	(11) (12) (13)			(36) (37) (38) (38)					
	(14) (15) <del>(16)</del>			(39) (40) (41)					
	(17) (18) (19) (20)			(42) (43) (44) (45)					
	(21) (22) (23)			(45) (47) (48)					
	(24) (25)			(49)					
1	0. Des	ign pressure 1250	) psi. Temp.	575 °F. Hydro	test pressure	N/A (when applicable)	At temp, *F		

<sup>&</sup>quot;Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

	Certificate Holders	Serial Nos.	HT: 724	through	S/N: 1, 2, 3, 5
	CERTIFICATIO	N 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
We certify that the statements made in conforms to the rules of construction of	•	these)	<b>E</b>	Pilot Poppe	t .
NPT Certificate of Authorization No.	N2607	Expires		6-13-04	1
Date 1//14/62 No.	Atwood & Morrill Co		Signed S	(authorized	representative)
<u> </u>	CERTIFICATE C	F INSPECTION	!		
I, the undersigned, holding a valid co	mmission issued by the National Boar	d of Boiler and	Pressure Vess	el Inspectors and t	he State or Province of
New York ·	And employed by	• •	H.S.B	C.T.	
Best of my knowledge and belief, the of III, Division 1. Each part listed has be By signing this certificate, neither the in this Data Report. Furthermore, neithous of any kind arising from or connections.	en authorized for stamping on the dat nspector nor his employer makes any her the inspector nor his employer sh	e parts or appur e shown above warranty, expre all be liable in a	tenances in acc essed or implied	d, concerning the	equipment described
Date Signed	(authorized inspector)		CHOICEHINIDO.	[Natl Bd. (incl. Endorser	nents) and state or prov. and no.j

### 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., II	nc. 285	Canal Street	Salem, I	MA 01970	
2.	Manufactured for Pennsylva	·	erwick, P	A 18603			
3.	Location of installation Susq	uehanna II 2 North Nin	•	t Allentown, F	•	-1179	
4.	Type: *32467-622-D R	ev.9 SA 105 GR I	<u>.                                    </u>	546 MPa (tensile strength)		N/A (CRN)	2002 (year built)
5.	ASME Code, Section III, Division	1: 1971 (edition)	_	71 la date)	(class)		N/A (Code Case no.)
6.	Fabricated in accordance with Co	nst. Spec. (Div. 2 only)	N/A	Revision	N/A	Date	N/A
	(A&M S.O. 90168) *Dwg. Section III 1971 Edition su	ımmer 1971 addenda	s certifica	ition meets the	e require	d information	
	Nom. Thickness (in.) 7.563  When applicable, Certificate Holds	•	5.49 d for each	Dia. ID (ft & in.)	N/A	Length overall	(ft& in.) N/A
	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurter Serial Numb		Boar	ional d No. dcal Order
	(1) HT 47433 S/N 230-3 (2) (3)	N/A	(26 (27 (28	)			
	(4)		(30	)			
	(6) (7) (8)		(31)	)			
	(9) (10)		(34 (35	,			
	(11) (12) (13)		(36)				
	(14)		(39 (40	)			
	(16) (17) (18)		(41 (42 (43	)			
	(19) (20) (21)		(44 (45 (46				
	(22) (23)		(47 (48				
	(24) (25)		(49 (50				
10	0. Design pressure 1250	psi. Temp. <u>57</u> 5	5 °F.	Hydro, test pres	ssure	N/A (when applicable)	At temp. *F

<sup>\*</sup>Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. HT: 47433 S/N 230-3 through **CERTIFICATION OF DESIGN** Design specifications certified by P.E. N/A N/A Reg. no. N/A State P.E. Design report \* certified by N/A N/A Reg. no. N/A State (when applicable) 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 Atwood & Morrill Co., Inc. (NPT Certificate Holder) **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. Hartford, CT have inspected these items described in this Data Report on 12/13 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.

### 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									
3.	Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179 (name and address)									
4.	Туре:	*32162-409-D R	Rev. 1 SA 105 GR			N/A (CRN)	2002 (year built)			
<b>5</b> .	ASME	Code, Section III, Division	11: 1971 (edition)	S71 (addenda date)	(class)	(C	N/A ode Case no.)			
6.	Fabric	ated in accordance with C	onst. Spec. (Div. 2 only)	N/A Revision	N/A	Date	N/A			
7.	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. 1D (ft & ii	n.) <u>N/A</u>	Length overall (	ft& in.) N/A			
9.	When	applicable, Certificate Hok	ders' Data Reports are attach	ed for each item of this rep	ort:					
	F	Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appu Serial Nu		Natio Board In Numerio	No.			
	(1)	HT: 47433 S/N 231-1	N/A	(26)						
	(2)	HT: 47433 S/N 231-2	N/A	(27)						
	(3)	HT: 47433 S/N 231-3	N/A	(28)						
	(4)	HT: 47433 S/N 231-4	N/A	(29)						
	(5)	HT: 47433 S/N 231-5	N/A	(30)	•					
	(6)	HT: 47433 S/N 231-6	N/A	(31)			·			
	(7)	HT: 47433 S/N 231-7	N/A	(32)						
	(8)			(33)						
	(9)			(34)		·				
	(10)			(35)						
	(11)			(36)						
	(12)			(37)						
	(13)			(38)						
	(14)			(39)						
	(15)			(40)						
	(16)			(41)						
	<del>-(17)</del>			(42)						
	(18)			(43)						
	(19)			(44)						
	(20)			(45)			-			
-	(21)			(46)						
	(22)		<del> </del>	(47)						
	(23)			(48)		<u> </u>				
	(24)		<del></del>	(49)		<del></del>				
	(25)			(50)						
10	O. Des	ign pressure1250	) psi. Temp. 5	75 °F. Hydro. test ;	oressure	N/A (when applicable)	At temp. *F			

<sup>\*</sup>Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 through S/N 231-7 **CERTIFICATION OF DESIGN** Design specifications certified by P.E. State N/A Reg. no. N/A (when applicable) Design report \* certified by P.E. State N/A Reg. no. N/A N/A (when applicable) **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 6-13-04 Atwood & Morrill Co., Inc. (NPT Certificate Holder) 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. Hartford, CT have inspected these items described in this Data Report on , 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. Commissions Bd. (incl. Endorsements) and state or prov. and no.]

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

Pg. 1 of 2

1.	Manufactured and certified by	Atwood & Morrill Co.	, Inc. 285 Canal	Street Salem,	MA 01970	<del></del>
2.	Manufactured for Pennsylv		Berwick, PA 180	503		·
3.	Location of installation Sus	squehanna II 2 North N	•	·	-1179	<del></del>
4.	Type: *32462-613-C	Rev.0 SA 479-3			N/A (CRN)	2002 (year built)
5.	ASME Code, Section III, Divisio	• ,	s71	1	(2.27	N/A
		(edition)	(addenda date)	(class)	. (	Code Case no.)
6.	Fabricated in accordance with C	Const. Spec. (Div. 2 only)	N/A Revi	sion N/A	Date	N/A
7.		A&M Item 21 Qty. 4 Pile	ot Poppet A&M P			
	(A&M S.O. 90168) *Dwg			neets the require	d information	of ASME
	Section III 1971 Edition	Summer 19/1 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 Hol	ders' Data Reports are attac	hed for each item of t	his report:		
	Part or Appurtenance Serial Number	National Board No. In Numerical Order		r Appurtenance rial Number	Boar	ional d No. ical Order
	(1) HT: 72402 S/N 1	N/A	(26)			
	(2) HT: 72402 S/N 2	N/A	(27)			
	(3) HT: 72402 S/N·3	N/A	(28)			
	(4) HT: 72402 S/N 5	N/A	(29)			
	(5)		(30)			
	(6)		(31)			
	(7)		(32)			
	(8)		(33)			
	(9)		(34)			<u>_</u>
	(10)		(35)			
	(12)		(37)			
	(13)		(38)		<del> </del>	
	(14)		(39)		<b></b>	
	(15)		(40)			
	(16)		(41)			
	(17)		(42)			
	(18)		(43)			
	(19)	······································	(44)			
	(20)		(45)	·	ļ	
	(21)	<u></u>	(46)			
	(22)		(47)	<del> </del>		
	(23)		(48)			
	(24)		(49) (50)			
	(20)	i			<u> </u>	
1	0. Design pressure 1250	O psi. Temp.	575 °F. Hydro	. test pressure	N/A	At temp, *F

(when applicable)

<sup>\*</sup>Supplemental information in the form of fists, sketches, or drawings may be used provided (1) size is 6 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.

Certificate Holders' Serial Nos.			HT: 72	402 throug	sh 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	E					
We certify that the statements made	e in this report are correct and that this	s (these)		Pilot Poppe	at .			
•	n of the ASME Code, Section III, Divis	· · ·		· Hot F oppe				
					•			
NPT Certificate of Authorization No.	N2607	Expires	•	6-13-0	4			
Date 1//14/62	Date 1//14/02 Name Atwood & Morrill Co., Inc. Signed Bris Sufficient Police (Authorized representative)							
, ,	(AFT Sellinoste Flor	icaly		(add Krite	· · · · · · · · · · · · · · · · · · ·			
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	СТ				
of Hartford, CT	have inspected these items de	scribed in this Data		11/14/62	, 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 Signed	(authorized inspector)		-	(Nat'l Bd. (incl. Endorse	ments) and state or prov. and no.]			
	·	_			• .			

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

Manufashura de-	·	of NPT Certificate Holder)		
Manufactured for Pennsylvani	a Power & Light Berv	vick, PA 18603 (name and address of Purchaser)		
Location of installation Susque	ehanna II 2 North Ninth	Street Allentown, PA 18101	I-1179	
<del></del>	•	and address)		
Type: *32467-622-D Rev	/.9 SA 105 GR II (marti. spec. no.)	546 MPa (tensile strength)		2002 ear bui
ASME Code, Section III, Division 1:		S71 1	N/A	
,	(edition)	(addenda date) (class)	(Code Case no	0.)
Fabricated in accordance with Cons	t. Spec. (Div. 2 only)	N/A Revision N/A	Date N/A	<u>-</u>
Remarks: Cust Item 01 A&I	VI Item 21 Qtv.1 Poppet	(no.) A&M P/N 32162-409-2974-0	00 QLA	
(A&M S.O. 90168) *Dwg. p	repared by A&M. This o	certification meets the require	ed information of ASMI	E
Section III 1971 Edition sun	nmer 1971 addenda			
Nom. Thickness (in.) 7.5 M	in. design thickness (in.)	5.49 Dia. ID (ft & in.) N/A	Length overall (ft& in.)	N/
	<del></del>		<u>د.</u>	
When applicable, Certificate Holders	s' Data Reports are attached f	or each item of this report:		
			T .	-
Part or Appurtenance	National	Part or Appurtenance	National	
Serial Number	Board No. In Numerical Order	Serial Number	Board No. In Numerical Order	
	in Nume (Car Order	·	III Hameroal Order	
(1) HT 47433 S/N 230-4	· N/A	(26)		
(2)		(27)		
(3)		(28)	· .	
(4)		(29)		
(5)		(30)		
(6)		(31)		
0		(32)	<del> </del>	
		(33)		
(8)		` ' <del> </del>		•
(9)		(34)		
(10)		(35)	<del> </del>	
(11)		(36)	<del> `</del>	
(12) (13)		(37)	<del> </del>	
(14)		(39)	<del>                                     </del>	
(15)		. (40)		===
(16)		(41)		
(17)		(42)		
		(43)		
(18)		(44)		
(19)				
(19) (20)		(45)		
(19) (20) (21)		(45) (46)		
(19) (20) (21) (22)		(45) (46) (47)		
(19) (20) (21) (22) (23)		(45) (46) (47) (48)		
(19) (20) (21) (22)		(45) (46) (47)		

<sup>\*</sup>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.

Certificate Holders' Serial Nos. HT: 47433 S/N 230-4 N/A **CERTIFICATION OF DESIGN** Design specifications certified by P.E. N/A N/A Reg. no. N/A State when applicable Design report \* certified by P.E. N/A N/A Reg. no. N/A State (when applicable) 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 6-13-04 Signed Atwood & Morrill Co., Inc. (NPT Certificate Holder) **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. have inspected these items described in this Data Report on , and state that to the Hartford, CT 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. Commissions

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

1,	Manuf	actured and certified by	Atwood	1 & Morrill Co.,	Inc. 285	Canal Street	Salem,	MA 01970		
2.	Manuf	actured for Pennsylv	ania Pov		Berwick, F	PA 18603	aser)		· · · · · · · · · · · · · · · · · · ·	
3.	Location	on of installationSus	quehann	a II 2 North N	inth Stree		PA 18101	-1179		•
4.	Type:	*32162-409-D F	Rev 1	SA 105 GF	S 11	552 MPa		N/A	200	02
	••	(drawing no.)		(mat'l. spec. no.		(tensile strength)		(CRN)	(year	
5.	ASME	Code, Section III, Divisio	n 1:	1971		71	1		N/A	
				(edition)		ida date)	(class)		(Code Case no.)	
6.	Fabric	ated in accordance with C	onst, Spec	. (Div. 2 only)	N/A	Revision	N/A	Date	N/A	
-				-	(no.)		0.0074.00			
7.	Remar								an of ACME	
		M S.O. 90168) *Dwg			iis certific	ation meets t	ne require	<u>a inioimati</u>	ON OF ASME	
	<u> </u>	don in 1971 Edition	Summer	1971 addelida		<del></del>			<del> </del>	
8.	Nom. 7	Thickness (in.) 5.3125	Min. desig	gn thickness (in.)	5.094	Dia. 1D (ft & in.	) <u>N/A</u>	Length ove	rall (ft& in.) 🔠 j	N/A
_			• •	D				-		
9.	When	applicable, Certificate Ho	iders' Data	Reports are attacr	ned for each	nem or this repo	ort:			
		<del></del>	<u> </u>			<del></del>		1		7
	F	art or Appurtenance		National		Part or Appurt			National	
	1.	Serial Number		Board No. Imerical Order		Serial Nun	nber		oard No. nerical Order	
			11.140	interical Order				11170	Herical Older	1.
	(1)	HT: 47433 S/N 231-1		N/A	1 /2	6)		1 .	•	
	(2)	HT: 47433 S/N 231-2		N/A	-   \cdot \c			<u> </u>		$\dashv \cdot$
	(3)	HT: 47433 S/N 231-3		N/A	□         □         1 (2)	·		1		-
	(4)	HT: 47433 S/N 231-4		N/A	-   i2			1	···········	
	(5)	HT: 47433 S/N 231-5		N/A	一   (3	0)				-
	(6)	HT: 47433 S/N 231-6		N/A	T   (3	1)		T		7
	(7)	HT: 47433 S/N 231-7	***************************************	N/A	<b>一  </b> (3	2)				7
	(8)				<b>一  </b> (3	3)				
	(9)					4)				
	(10)			·	(3	5)				
	(11)				(3	·				
	(12)			- <u></u>	(3	·				_
	(13)				] [3	·				_
	(14)	<del></del>			<sup>(3</sup>					4
	(15)		. <u>.                                   </u>		(4			<del> </del>		4
	(16) <del>(17)</del> -	-			(4	·				
	(18)				(4	·				-
	(19)				(4	·			<del></del>	-
	(20)				- (4	·				┥.
•	(21)				- 4			<del> </del>		$\dashv$
	(22)				(4			<del> </del>		$\dashv$
	(23)	<del></del>			-    ⟨⁴	·	<del> </del>	<del> </del>		$\dashv$
	(24)				(4			<del> </del>		┪
	(25)	<del></del>			(5			<del> </del>		$\dashv$
	<u> </u>	-				<u></u>		L		
11	0. Des	ign pressure 125	O psi.	Temp. 5	75 °F	. Hydro. test pr	essure	N/A	At temp. *	F

<sup>&</sup>quot;Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 6 % 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.

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 through S/N 231-7 CERTIFICATION OF DESIGN Design specifications certified by P.E. State N/A Reg. no. N/A (when applicable) Design report \* certified by P.E. State N/A Reg. no. N/A N/A (when applicable) 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 Atwood & Morrill Co., Inc. (NPT Certificate Holder) 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 have inspected these items described in this Data Report on , and state that to the Hartford, CT 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. Commissions

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

Not to Exceed One Day's Production

1.	Manuf	actured and certified by	Atwood & Morrill		85 Canal Stree	t Salem,	MA 01970		
2.	Manuf	actured for Pennsylv	ania Power & Light		, PA 18603 e and address of Purch	naser)			
3.	Location	on of installation Sus	quehanna II <sub>2</sub> Nor	th Ninth St		PA 18101	I-1179		
4.	Туре:	*32462-613-C F (drawing no.)		9-304 pec. no.)	87,800 PSI (tensile strength)		N/A (CRN)	20 (year)	
<b>5</b> .	ASME	Code, Section III, Division	11: 1971 (edition)	(a-	S71 Idenda date)	(class)		N/A (Code Case no.)	
6.	Fabrica	ated in accordance with C	onst, Spec. (Div. 2 only	N/A (no.)	Revision	N/A	Date	N/A	
	Sec	M S.O. 90168) *Dwg tion III 1971 Edition \$		l. This cert enda	fication meets	the require		on of ASME	
		Thickness (in.) 1.50 applicable, Certificate Holo	•				-	an (nor ni.)	V/A
	P	art or Appurtenance Serial Number	National Board No. In Numerical Ord	er	Part or Appur Serial Nu		Во	ational ard No. erical Order	· .
	(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22)	HT: 72402 S/N 4 HT: 72402 S/N 6 HT: 72402 S/N 7 HT: 72402 S/N 8	N/A N/A N/A N/A		(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47)				
	(23) (24) (25)				(48) (49) (50)				
10	D. Desi	ign pressure 1250	) psi. Temp.	575	*F. Hydro, test p	ressure	N/A	At temp. *	F.

<sup>\*</sup>Supplemental information in the form of fists, sketches, or drawings may be used provided (1) size is 8 % 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.

	Certificate Fiducia	Seliai (405,	<u>ПІ: 12</u>	402 unough	S/N 4, 6, 7, 8				
	CERTIFICATIO	N 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 O	F COMPLIANC	E						
We certify that the statements made in	n this report are correct and that this (	(these)		Pilot Poppet					
conforms to the rules of construction of	of the ASME Code, Section III, Division	on 1.		т пост оррос					
·									
NPT Certificate of Authorization No.	N2607	Expires		6-13-04					
Date Na	ame Atwood & Morrill Co	, III (O.	Signed	Sauthorized i	epresentative)				
	CERTIFICATE C	F INSPECTION	·	· ·					
I, the undersigned, holding a valid co	mmission issued by the National Boa	rd of Boiler and	Pressure Vess	el Inspectors and th	e State or Province of				
New York .	And employed by		H.S.E	R.C.T.	• •				
of Hartford, CT	have inspected these items desc	ribed in this Dal			, 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: [Nat'l Bd. (inct. Endorsem	A, Joints) and state or prov. and no.]				

## 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., In	NC.	285 Canal Street	Salem,	MA 01970		
2.	Manufactured for Pennsylva	•	erwic	k, PA 18603	ser)		· · · · · · · · · · · · · · · · · · ·	
3.	Location of installation Susq	uehanna II 2 North Nin		treet Allentown, I	PA 18101	-1179	<del></del>	
4.	Type: *32467-622-D Re (drawing no.)	ev.9 SA 105 GR I	1	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 Cor	nst. Spec. (Div. 2 only)	N//		N/A	Date	N/A	
8.	(A&M S.O. 90168) *Dwg. Section III 1971 Edition su	mmer 1971 addenda Min. design thickness (In.)	5.4	tification meets th	e require	00_QLA d informatio Length overa		<u> </u>
	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurte Serial Num	enance ber	Bo	ational ard No. erical Order	
	(1) HT 47433 S/N 230-5 (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15)	N/A	.,	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40)				•
11	(16) (17) (18) (19) (20) (21) (22) (23) (24) (25)  0. Design pressure 1250	psi. Temp. 57	5	(41) -(42) (43) (44) (45) (46) (47) (48) (49) (50)	ssure	N/A	At temp. *F	

<sup>\*</sup>Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. HT: 47433 S/N 230-5 through N/A **CERTIFICATION OF DESIGN** P.E. Design specifications certified by N/A Reg. no. N/A State (when applicable Design report \* certified by N/A P.E. N/A Reg. no. N/A State (when applicable) 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 Signed Atwood & Morrill Co., Inc. (NPT Certificate Holder) CERTIFICATE OF INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State or Province of And employed by H.S.B.C.T New York have inspected these items described in this Data Report on /2/17/02 , and state that to the Hartford, CT 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. Commissions

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

Pg. 1 of 2

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603  3. Location of installation Susquehanna*II 2 North Ninth Street Allentown, PA 18101-1179    Passa and sederation   Pennsylvania Power & Communication   Pennsylvania Power & Pennsylvania Power	1.	Manufactured and certified by	Atwood & Morrill Co.,	Inc. 285	Canal Street	Salem,	MA 01970		·
4. Type: *32162-409-D Rev. 1 SA 105 GR II 80,000 PSI N/A 2001 (Increase no.)	2.	Manufactured for Pennsyl	vania Power & Light E			iser)		<del></del> _	
Same   Code   Section   III, Division 1: 1971   St 1   N/A   Code   Section   III, Division 1: 1971   St 1   N/A   Code   Case   Case   Code   Case	3.	Location of installation Su	squehanna II 2 North N	inth Stree	t Allentown,	PA 18101	-1179		<u>.</u>
Same   Code   Section   III, Division 1: 1971   St 1   N/A   Code   Section   III, Division 1: 1971   St 1   N/A   Code   Case   Case   Code   Case	4	Type: *32162-409-D1	Rev. 1 SA 105 GR	en .	80.000 PSI	•	N/A	. 2	001
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A  7. Remarks: Cust. Item 01 A&M Item 11 City. 2 Cover A&M P/N 32162-409-2974-000 CILA  (A&M S.O. 90168) "Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addends  8. Nom. Thickness (In.) 5.312 Min. design thickness (In.) 5.094 Dia. ID (R & In.) N/A Length overall (R & In.) N/A  9. When applicable, Certificate Holders' Data Reports are attached for each item of this report.    Part or Appurtenance								()ve	ar built)
6. Fabricated in accordance with Const. Spec. (Div. 2 only)    N/A   Revision   N/A   Date   N/A	<b>5</b> .	ASME Code, Section III, Division	on 1: 1971		**	.1 •			•
7. Remarks: Cust. Item 01 A&M Item 11 Qty. 2 Cover A&M PIN 32162-409-2974-000 QLA  (A&M S.O. 90168) *Dvg. 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 Rem of this report:    Part or Appurtenance Serial Number   National Board No. In Numerical Order		•	1 , , ,	(adder	da date)	(class)		(Code Case no.	)
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 (R & in.) N/A Length overall (R& in.) N/A  9. When applicable, Certificate Holders' Data Reports are attached for each Rem of this report:    Part or Appurtenance	6.	Fabricated in accordance with (	Const. Spec. (Div. 2 only)		_ Revision	N/A	Date	N/A	
(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	7.	Remarks: Cust Item 01	A&M Remitt Ofv. 2 Cov		2/N 32162-40	0.2074.nr	10 OLA		
Section III 1971 Edition summer 1971 addenda	•	(A&M S.O. 90168) *Dwg	a, prepared by A&M. Th	is certific	ation meets to	he require	d Informatio	n of ASME	
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:    Part or Appurtenance									
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:    Part or Appurtenance	£	Nom Thickness (in ) 5 343	Min design thickness (in )	E 004	Dis ID (6.8 in	) B1/A	I ength over	ell /02 in \	NI/A
Part or Appurtenance   National Board No. In Numerical Order	U.	110m. The Mess (u.) _ 5.312	- Mille design discovers (m.)	3.084	Die. ID (R & III.	/ N/A	- Cerffarover	(100 III.) _	NA
Serial Number   Soard No. In Numerical Order   Serial Number   Soard No. In Numerical Order	9.	When applicable, Certificate Ho	iders' Data Reports are attach	ned for each	item of this repo	ort:	·		
Serial Number   Soard No. In Numerical Order   Serial Number   Soard No. In Numerical Order		Part or Appurtenance	National	].	Part or Appurt	enance	. N	ational	
(1) HT: H3391 S/N 7			Board No.	] . ]			Во	ard No.	
(2) HT: H3391 S/N 8		•	In Numerical Order	}	•		. In Num	erical Order	
(2) HT: H3391 S/N 8		(1) HT H3391 S/N 7	' N/A	1 1/2	6)				l
(3) (4) (28) (29) (29) (30) (50) (50) (7) (31) (32) (33) (33) (34) (35) (35) (35) (35) (37) (35) (37) (37) (37) (37) (37) (37) (37) (37	•		<del> </del>				<del> </del>	<del></del>	
(5) (6) (31) (31) (32) (6) (33) (9) (34) (10) (35) (34) (11) (35) (35) (11) (12) (37) (38) (38) (14) (15) (40) (41) (41) (41) (41) (41) (42) (45) (45) (20) (21) (22) (23) (24) (25) (50) (50) (50) (50) (50) (50) (50) (5				7 (2	8)		1.		
(6) (31) (32) (32) (33) (33) (34) (10) (35) (34) (11) (35) (12) (37) (13) (38) (38) (14) (15) (40) (16) (41) (17) (18) (19) (19) (19) (19) (19) (19) (19) (19		(4)		[2	9) .				
(7) (8) (9) (10) (10) (11) (12) (13) (13) (14) (15) (16) (17) (18) (19) (19) (19) (19) (10) (10) (11) (17) (18) (19) (19) (19) (10) (10) (11) (11) (12) (12) (13) (14) (15) (15) (16) (17) (18) (19) (19) (19) (19) (10) (10) (11) (12) (12) (12) (13) (14) (15) (15) (16) (17) (18) (19) (19) (19) (10) (10) (11) (12) (12) (13) (14) (15) (15) (16) (17) (18) (19) (19) (19) (10) (10) (11) (11) (12) (12) (13) (14) (15) (15) (16) (17) (17) (18) (19) (19) (19) (19) (19) (19) (19) (19		(5)		I `	·	<u> </u>			
(6) (33) (34) (34) (35) (35) (35) (36) (37) (37) (37) (37) (37) (38) (38) (39) (39) (40) (41) (41) (42) (42) (43) (44) (44) (44) (20) (20) (21) (45) (45) (22) (23) (24) (25) (25) (25) (25) (25) (25) (27) (28) (49) (29) (29) (29) (49) (49) (29) (29) (49) (49) (29) (49) (49) (29) (49) (49) (49) (49) (49) (49) (49) (4		` ·			`			<u> </u>	
(9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (21) (22) (23) (24) (25)  10. Design pressure (1250) (135) (35) (35) (37) (36) (37) (38) (40) (40) (41) (42) (42) (43) (44) (42) (44) (44) (45) (45) (47) (48) (49) (50)  10. Design pressure (1250) psi. Temp. 575  *F. Hydro. test pressure (N/A) At temp. *F		`	ļ				<u> </u>	<del></del>	
(10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (21) (22) (23) (24) (25)  10. Design pressure  1250 psi. Temp. 575  *F. Hydro. test pressure  N/A  At temp. *F		·					<del> </del>	·	
(11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25)  10. Design pressure  1250 psi. Temp.  575  *F. Hydro. test pressure  N/A  At temp. *F				_ ' '	`		<del></del>		
(12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25)  10. Design pressure  1250 psi. Temp.  (37) (38) (39) (40) (41) (42) (42) (43) (44) (44) (44) (45) (45) (47) (48) (49) (50)  10. Design pressure  1250 psi. Temp.  575 *F. Hydro. test pressure  N/A  At temp. *F	:	1	<del> </del>				<del> </del>		
(13) (14) (15) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25)  (10) (25)  (10) (21) (25)  (21) (22) (38) (39) (40) (41) (42) (42) (43) (44) (44) (45) (45) (46) (47) (48) (49) (50)  (10) (11) (11) (12) (12) (13) (14) (15) (15) (16) (17) (17) (18) (19) (19) (19) (19) (19) (19) (19) (19			<del> </del>		·	<del></del>	<del> </del>		<del></del> -{
(15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (10) Design pressure (125) (40) (41) (42) (42) (43) (44) (44) (45) (45) (46) (47) (48) (49) (50)  10. Design pressure (125) psi. Temp. (40) (41) (42) (42) (43) (44) (45) (47) (48) (49) (50)		· ·			·	<del></del>	<del> </del>		
(16) (41) (42) (42) (43) (44) (44) (45) (45) (45) (45) (47) (48) (49) (29) (29) (49) (50) (50) (50) (50) (50)		(14)		<b> </b>   (3	9)		† ·		
(17) (18) (19) (20) (21) (22) (23) (24) (25)  10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A At temp. °F	•	(15)		(4	D) ·		1		
(18) (19) (20) (21) (22) (23) (24) (25)  10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A At temp. °F	•			] (4	1)				
(19) (20) (21) (22) (23) (24) (25)  (10) Design pressure (125)  (44) (45) (45) (46) (47) (48) (49) (50)  10. Design pressure (125) psi. Temp. 575 °F. Hydro. test pressure (N/A At temp. °F									=
(20) (21) (22) (23) (24) (25)  10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A At temp. °F			<u> </u>			<del></del>			
(21) (48) (47) (48) (49) (50) (50) 10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A At temp. °F					·		<b></b>		
(22) (23) (24) (25) (48) (49) (50)  10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A At temp. °F		•	<del> </del>		·		<del></del>		
(23) (48) (49) (50) 10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A At temp. °F			<del>                                     </del>		·		<del> </del>		
(24) (49) (50) 10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A At temp. °F			<del> </del>			<del></del>	<del> </del>	<del></del>	
(25) (50) 10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A At temp. °F							<del> </del>		
10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A At temp. °F			<u> </u>				<del> </del>		<del> </del>
	10	· · · · · · · · · · · · · · · · · · ·	0 psi. Temp. 5		· · · · · · · · · · · · · · · · · · ·	essure			I o. °F

"Supplemental information in the form of Rists, exerches, or drawings may be used provided (1) size is 6 % 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.

•	Ceminicate Hold	ers Senai Nos.	HT: H3391	S/N / maong	n <u>S/N 8</u>				
	CERTIFIC	ATION OF DESIGN		<del></del>					
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				
·	CERTIFICA	TE OF COMPLIANCE	E .	, .					
We certify that the statements made in conforms to the rules of construction of	•	· · · ———		Cover					
NPT Certificate of Authorization No.	N2607	Expires		6-13-0	4				
Oate Na	me Atwood & Morri		Signed		and representative)				
i, the undersigned, holding a valid con		TE OF INSPECTION	•	rel benedors and i	the State or Province of				
	And employed by	Evera or boiler and s		& I. Co	· · · · · · · · · · · · · · · · · · ·				
Hartford, CT have inspected these items described in this Data Report on played, 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 costs of any kind arising from or connected with this inspection.  Date 18/14/61 Signed Commissions  [Natl Bd. (incl. Endorsoments) and state or prov. and no.]									

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

		vania Power & Light E	Berwic	LDΔ					
	cation of installation Sus	•	(na		18603 Iress of Purch:	ateri			<del></del>
4. Ty		squehanna II 2 North N	,	reet Al		•	-1179		
	pe: *32462-613-C {			·	800 PSI		N/A	2	2002
	(drawing no.)	(matil. spec. no.	)	(ten	sile strength)		(CRN)	(ye:	ar built)
5. AS	SME Code, Section III, Division	n 1: 1971 (edition)	(a	S71	te) ,	1 (class)	<del></del>	N/A (Code Case no.	<del></del>
6. <b>Fa</b>	bricated in accordance with C	• •	N/A	<u> </u>	evision	N/A	Date	N/A	•
7. Re	marks: Cust, Item 01 /	A&M Item 21 Qty. 4 Pilo	(no.) t Popp		1 P/N 324	162-613-4	226-121_Q	LA	
(	A&M S.O. 90168) *Dwg	, prepared by A&M. Th	is cerl	ification	n meets t	he require	d information	on of ASME	
	Section III 1971 Edition	Summer 1971 addenda							
8. No	m. Thickness (in.) 1.50	Min. design thickness (in.)	1.30	5 Dia	. ID (ft & in.	) N/A	Length over	all (ft& in.)	N/A
9. WI	nen applicable, Certificate Hol	ders' Data Reports are attach	ed for e	ach item	of this repo	ort:		٠	•
	Part or Appurtenance Serial Number	National Board No. In Numerical Order	] .	Pa	rt or Appurt Serial Nun		Bo	lational pard No. serical Order	
		•				•	in Nun	encai Orger	-
	(1) HT: 72402 S/N 1	N/A		(26)			ļ		·
	(2) HT: 72402 S/N 2	N/A	_}	(27) _			<u> </u>	<u>:</u> _	
	(3) HT: 72402 S/N 3	N/A	4	(28)	<u> </u>		<u> </u>		
	(4) HT: 72,402 S/N 5	N/A	-{	(29) (30)			<del> </del>	<del></del> -	
- 1	(5)	····	_{	-		<del></del>		<del></del>	
- 1	(6)		_	(31)	· · · · · · · · · · · · · · · · · · ·		<b></b>	:	
	(7)		_	(32)			<b></b>		
	(8)	·	4	(33) _	<del></del>		<u> </u>		
- 1	(9)		_	(34)			<u> </u>		
`	10)	<del></del>	-{	(35)					
	11)		-{	(36) (37)			<u> </u>	<del></del>	
	12) 13)		-  .	(38)		<del></del>	<del>                                     </del>		<del></del>
	14)		-	(39)			<del>                                     </del>		
1	15)		-	(40)			<del> </del>	<del></del>	
+-	16)	<del></del>	4	(41)			<del> </del>		_
	17)		┥	(42)	.*:			<del></del>	
1	18)		<b>i</b>	(43)					<del> </del>
, .	19)		-	(44)		· <u></u>	· ·		<b>-</b> -  :
	20)	· · · · · · · · · · · · · · · · · · ·	7	(45)					$\dashv$
(	20)		7	(46)	<del></del>	<del></del>			
(	21).					····	<del></del>		
0			1	(47)			1		- 1
000	21).			(47) (48)					$\dashv$
	21).								

<sup>&</sup>quot;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.

	Celuicate Flories	Jenaritos,	П1. 124	402 unoug	5/N: 1, 2, 3, 5
	CERTIFICATION	ON OF DESIGN	1		
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 O	F COMPLIANC	CE		
We certify that the statements made	in this report are correct and that this	(these)		Pilot Poppe	t
conforms to the rules of construction	of the ASME Code, Section III, Division	on 1.			
NPT Certificate of Authorization No.	N2607	Expires _		6-13-04	l
Date	Name Atwood & Morrill C		Signed S	res de A	representative)
	CERTIFICATE C				
I, the undersigned, holding a valid c	ommission issued by the National Boa	rd of Boiler and	Pressure Vess	el inspectors and t	he State or Province of
New York	And employed by		H.S.B	C.T.	
III, Division 1. Each part listed has be By signing this certificate, neither the	have inspected these items desc a Certificate Holder has fabricated these seen authorized for stamping on the data inspector nor his employer makes any either the inspector nor his employer sheeted with this inspection.	e parts or appu te shown above y warranty, exp all be liable in a	rtenances in acces. e. ressed or implie	d, concerning the	equipment described
Signed Signed	(authorized inspector)			[Nat'l Bd. (incl. Endorser	nents) and state or prov. and no.]
	•				

## 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., I	nc. 2	85 Canal Street	Salem,	MA 01970		
2.	Manufactured for Pennsylva		erwic	c, PA 18603	ser)			
3.	Location of installation Susq	uehanna II 2 North Nir		reet Allentown, F	PA 18101	-1179		
4.	Type: *32467-622-D Re (drawing no.)	ev.9 SA 105 GR (mart. spec. no.)	11	546 MPa (tensile strength)		N/A (CRN)		002 ar built)
5.	ASME Code, Section III, Division	1: 1971 (edition)	(2	S71 ddenda date)	(class)	· .	N/A (Code Case no.	)
6.	Fabricated in accordance with Cor	nst. Spec. (Div. 2 only)	N/A (no.)	<u> </u>	N/A	Date	N/A	
	(A&M S.O. 90168) *Dwg. Section III 1971 Edition su	ımmer 1971 addenda	s cert	ification meets th	e require	d information		
	Nom. Thickness (in.) 7.5  When applicable, Certificate Holde	Min. design thickness (in.) ers' Data Reports are attache	5.49			Length over	all (ft& in.)	N/A
•	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurte Serial Numi	nance	Bo	lational pard No. perical Order	
	(1) HT 47433 S/N 230-6 (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18)	N/A		(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43)				
11	(18) (19) (20) (21) (22) (23) (24) (25)  0. Design pressure 1250	psi. Temp57	5	(43) (44) (45) (46) (47) (48) (49) (50) *F. Hydro, test pre	essure	N/A (when applicable	At temp	*F

Certificate Holders' Serial Nos. HT: 47433 S/N 230-6 through N/A **CERTIFICATION OF DESIGN** Design specifications certified by N/A P.E. N/A N/A Reg. no. State (when applicable Design report \* certified by N/A P.E. N/A N/A Reg. no. State (when applicable) 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** Atwood & Morrill Co., Inc. 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 And employed by **New York** H.S.B.C.T. have inspected these items described in this Data Report on 12/13/02 Hartford, CT 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. Commissions

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

Pg. 1 of 2

1.	Manuf	actured and certified by	Atwood	& Morrill Co.,				Salem, I	MA 01970		
2.	Manuf	factured for Pennsylv	ania Pow	•	erwic	k, PA	18603	er)		····	
3.	Location	on of installation Sus	quehanna	a II 2 North Ni	nth Si			A 18101	-1179		
4.	Type:	*32162-409-D F	Rev. 1	SA 105 GR			552 MPa	· · · · · · · · · · · · · · · · · · ·	N/A (CRN)	2002 (year bui	
5	ASME	Code, Section III, Divisio	n t	1971		S7 <sup>-</sup>	1	1		N/A	•
٠.	TOME	Odde, decapit iii, birisio		(edition)	(1	ddenda		(class)		(Code Case no.)	·
6.	Fabric	ated in accordance with C	onst. Spec.	(Div. 2 only)	N/A		Revision	N/A	Date	N/A	
<b>7</b> .	Remar				er A&	M P/					
		M S.O. 90168) *Dwg			is cer	tificat	ion meets the	e require	d intormation	on of ASME	
	Sec	tion III 1971 Edition	summer 1	9/1 addenda						<del> </del>	
8.	Nom. 7	Thickness (in.) 5.3125	Min. desig	n thickness (in.)	5.0	94	Dia. ID (ft & in.)	N/A	Length over	all (ft& in.) N/	Ά
9.	When	applicable, Certificate Hol	ders' Data R	eports are attach	ed for e	ach ite	em of this report	•			
•	P	art or Appurtenance Serial Number	В	National oard No. nerical Order			Part or Appurter Serial Numb		Bo	ational pard No. perical Order	
	(1)	HT: 47433 S/N 231-1		N/A		(26)					
	(2)	HT: 47433 S/N 231-2		N/A	-	(27)	<del></del>		ļ	· ,	<del>]</del> ·
	(3)	HT: 47433 S/N 231-3		N/A	-	(28)					
	(4)	HT: 47433 S/N 231-4		N/A	-	(29)	<del></del>		<del></del>		
	(5)	HT: 47433 S/N 231-5		N/A	7	(30)		<del></del>	-		
	(6)	HT: 47433 S/N 231-6		N/A	7	(31)		·			1
	(7)	HT: 47433 S/N 231-7		N/A	] .	(32)					1 .
	(8)					(33)					[
	(9)					(34)			<u> </u>		] ·
	(10)					(35)					
	(11)		·		_	(36)					
	(12)				4	(37)			ļ		Į
	(13)				4	(38)					l
	(14)				-	(39)		<del></del>	ļ		l
	(15) (16)				-	(40) (41)					
	(10) (17)	<del></del>			-	(41) <del>-(42)</del> -					L
	(18)				1	(43)	<del></del>			<del></del>	l
	(19)	-, -			-	(44)	<del></del>				
	(20)			<del></del>	-	(45)					
. ;	(21)		<del></del>		4	( <del>46</del> )					
	(22)		<del></del>		-	(47)					
	(23)	-			-	(48)	-				
	(24)		· · · · · · · · · · · · · · · · · · ·	<del> </del>	-	(49)					
i	(25)				-	(50)		· <del>-</del>	-		
1	<u> </u>	I	<u>-</u> -		ا ل	(30)			L		ł
10	). Desi	ign pressure 1250	) psi.	Temp. 5	75	°F.	Hydro, test pres	ssure	N/A	At temp. *F	

(when applicable)

<sup>\*</sup>Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. through HT:47433 S/N 231-1 S/N 231-7 **CERTIFICATION OF DESIGN** Design specifications certified by P.E. State Reg. no. N/A N/A (when applicable P.E. State Design report \* certified by N/A N/A Reg. no. N/A (when applicable) 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 Atwood & Morrill Co., Inc. (NPT Certificate Holder) 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. Hartford, CT have inspected these items described in this Data Report on , 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. Commissions ments) and state or prov. and no.]

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

Not to Exceed One Day's Production

anufactured for Pennsylvar	nia Power & Light Be	erwick, PA 18603	iser)	
cation of installation Susqu	uehanna II 2 North Nir	nth Street Allentown,	•	
	•	me and address)	<b>A1/A</b>	
pe: *32462-613-C Re (drawing no.)	ev.0 SA 479-304 (mat1. spec. no.)		N/A (CRN)	200 (year b
SME Code, Section III, Division 1	: 1971	S71	1	N/A
	(edition)	(addenda date)	(class)	(Code Case no.)
bricated in accordance with Con	st. Spec. (Div. 2 only)	N/A Revision	N/A Date	N/A
emarks: Cust Item 01 A&	M Item 21 Qty. 4 Pilot	(no.) Poppet A&M P/N 324	62-613-4226-121 O	ι Δ
(A&M S.O. 90168) *Dwg. p				
Section III 1971 Edition Su				
m. Thickness (in.) 1.50 A	vlin. design thickness (in.)	1.36 Dia. ID (ft & in.)	N/A Length over	all (ft& in.)
nen applicable, Certificate Holder	re' Nata Renorte are attache	ed for each item of this reno	et·.	
nen appicable, Certificate noide	S Data Nepolts are attache		<b>''</b>	
Part or Appurtenance	National Board No.	Part or Appurt Serial Num	enance N	ational ard No.
Serial Number	in Numerical Order	Serial Null		erical Order
	in Humerical Order			
(1) HT: 72402 S/N 4	N/A	(26)		•
(2) HT: 72402 S/N 6	N/A	(27)	···-	· · ·
(3) HT: 72402 S/N 7	N/A	(28)		
(4) HT: 72402 S/N 8	N/A	(29)		
(5)		(30)		
(6)		(31)		<del></del>
(7)		(32)		<del></del>
(8)		(33)		
(9)		(34)		· · · · · · · · · · · · · · · · · · ·
10)		(35)		
11)		(36)		
12)		(37)		
		(38)		<del></del>
13)	· ·	(39)		
		_		
14)		(40)		
14)		(40)		
13) 14) 15) 16)		(41)		
14) 15) 16) 17)		(41) (42) (43)		
14) 15) 16) 17) 18)		(41) (42) (43) (44)		
14) 15) 16) 17) 18) 19)		(41) (42) (43) (44) (45)		
14) 15) 16) 17) 18) 19) 20)		(41) (42) (43) (44) (45) (46)		
14) 15) 16) 17) 18) 19) 20) 21)		(41) (42) (43) (44) (45) (46) (47)		
14) 15) 16) 17) 18) 19) 20) 21) 22) 23)		(41) (42) (43) (44) (45) (46) (47) (48)		
14) 15) 16) 17) 18) 19) 20) 21)		(41) (42) (43) (44) (45) (46) (47)		

<sup>&</sup>quot;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.

	Certificate Hold	ders' Serial Nos.	HT: 724	02 through	S/N 4, 6, 7, 8							
	CERTIFICA	ATION 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							
·	CERTIFICAT	E OF COMPLIANCE										
We certify that the statements made in thi	e certify that the statements made in this report are correct and that this (these)											
nforms to the rules of construction of the ASME Code, Section III, Division 1.												
NPT Certificate of Authorization No.	PT Certificate of Authorization No. N2607 Expires 6-13-04											
Date Name	Atwood & Morril	00., 11.0.	Signed	authorized	representative)							
	<b>52</b>	TE OF INSPECTION			·							
I, the undersigned, holding a valid comm	ission issued by the National	Board of Boiler and F	Pressure Vesse	il Inspectors and ti	ne State or Province of							
New York An	d employed by		H.S.B.		•							
of Hartford, CT Best of my knowledge and belief, the Cert	have inspected these items	described in this Data	Report on	ordance with the	, and state that to the ASME Code. Section							
III, Division 1. Each part listed has been a By signing this certificate, neither the insp in this Data Report. Furthermore, neither, loss of any kind arising from or connected	authorized for stamping on the ector nor his employer makes the inspector nor his employe	e date shown above. s anv warrantv. expre	essed or implied	d, concerning the	equipment described							
Date 11/14/02 Signed	(authorized inspect		ommissions	NY5070 [Nat'l Bd. (incl. Endorse	ments) and state or prov. and no.)							

### 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., I	Inc. 285 C		Salem, I	MA 01970		
2.	Manufactured for Pennsylva		erwick, PA	•	er)			
3.	Location of installation Susq	uehanna II 2 North Nii	•	Allentown, P.		-1179		<del></del>
4.	Type: *32467-622-D R	ev.9 SA 105 GR (mart, spec. no.)		532 MPa		N/A (CRN)	20 (year	02 builti
5.	ASME Code, Section III, Division		S71		1	· · · · · · · · · · · · · · · · · · ·	N/A	
6.	Fabricated in accordance with Co	nst. Spec. (Div. 2 only)	(addenda N/A	Revision	(class) N/A	_ Date	(Code Case no.)	
7.	Remarks: Cust. Item 01 A (A&M S.O. 90168) *Dwg. Section III 1971 Edition st						on of ASME	······································
8.	Nom. Thickness (in.) 7.5	Min. design thickness (in.)	5.49	Dia. ID (ft & in.)	N/A	Length over	all (ft& in.)	N/A
9.	When applicable, Certificate Holde	ers' Data Reports are attache	ed for each ite	m of this report:		. •		
	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurten Serial Number		Bo	lational pard No. perical Order	
	(1) HT 21115 S/N 1	N/A	(26)					
	(2)		(27)	<del></del>	•	· · · · · · · · · · · · · · · · · · ·	<del></del>	$\dashv$
	(4)	· .	(29)	<del></del>			<del></del>	1.
	(5)		(30)					
	(6)		(31)					
	(7)		(32)	<del></del>	<u> </u>			
	(8)		(33)		<del></del>			_ .
•	(9)		(34)				<u> </u>	
	(11)		(36)				<del></del>	
	(12)	•	(37)					_
	(13)		(38)					
	(14)	· · · · · · · · · · · · · · · · · · ·	(39)	<del>:</del>	<del></del>			┥.
	(16)		(41)					7
	(17)		(42)					
	(18)	· · · · · · · · · · · · · · · · · · ·	(43)					4
	(19) (20)	•	(44)	<del> </del>				
	(21)		(45)			- <u>-</u>	· · ·	-
•	(22)		(47)					-
	(23)		(48)					] .
	(24)		(49)					]
1	(25)		(50)					
10	D. Design pressure 1250	psi. Temp. 57	75 °F.	Hydro. test pres		N/A (when applicable)	At temp. *	F

<sup>&</sup>quot;Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

	Certificate Holders'	Serial Nos.	HT: 21115	S/N 1	through N/A
	CERTIFICATI	ON OF DESI	GN		
Design specifications certified by	N/A	P.E. State	N/A	Reg. no.	N/A
	(when applicable)			•	
Design report * certified by	N/A	P.E. State	N/A ·	Reg. no.	N/A
	(when applicable)				
· .	CERTIFICATE	OF COMPLIA	NCE	•	•
We certify that the statements made	e in this report are correct and that this	(these)		Pop	pet ·
conforms to the rules of construction	n of the ASME Code, Section III, Divisi	on 1.		· .	
NPT Certificate of Authorization No	N2607	Expires		6-1	13-04
Date /2/17/02	Name Atwood & Morrill C		_ Signed	nan (	Mullion Monized representative)
the undersigned holding a valid	CERTIFICATE			· · · · · · · · · · · · · · · · · · ·	and the Chate or Desires of
	•	and of polici a		-	and the State of Province of
New York	And employed by			3.C.T.	
III, Division 1. Each part listed has By signing this certificate, neither the		se parts or ap ate shown abo ny warranty, e	purtenances in ac ove. xpressed or implie	ed, concerning	the ASME Code, Section
	(authorized inspector)		<u>.</u> 	[Natived. (incl. E	indorsements) and state or prov. and no.]

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

1.	Manul	factured and certified by	Atwood & Morrill Co	., Inc. 285 C		Salem, I	MA 01970		
2.	Manul	factured for Pennsylv	ania Power & Light	Berwick, PA	·	ser)			
3.	Locati	on of installation Sus	squehanna II 2 North I	Ninth Street	Allentown, i	PA 18101	-1179	• • • • • • • • • • • • • • • • • • • •	
4.	Type:	*32162-409-D F (drawing no.)	Rev. 1 SA 105 G (mart), spec, r		552 MPa (tensile strength)	<del></del>	N/A (CRN)		002 ar built)
5.	ASME	Code, Section III, Divisio	n 1: 1971 (edition)	S7	<u> </u>	1 (class)		N/A (Code Case no.	
6.	Fabric	ated in accordance with C	• •	N/A	Revision	N/A	Date	N/A	•
7.		M S.O. 90168) *Dwg	A&M Item 21 Qty. 7 Co j. prepared by A&M. 7 summer 1971 addend	his certificat				on of ASME	
8.	Nom.	Thickness (in.) 5.3125	Min. design thickness (In.)	5.094	Dia. ID (ft & in.)	N/A	Length over	rall (ft& in.)	N/A
9.	When	applicable, Certificate Hol	ders' Data Reports are attac	ched for each it	em of this repoi	t:			•
	F	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurte Serial Num		В	National oard No. nerical Order	
	(1)	HT: 47433 S/N 231-1	N/A	(26)					
	(2)	HT: 47433 S/N 231-2	N/A	(27)					
	(3)	HT: 47433 S/N 231-3	N/A	(28)					
	(4)	HT: 47433 S/N 231-4	N/A	(29)					
	(5)	HT: 47433 S/N 231-5	N/A	(30)					
	(6)	HT: 47433 S/N 231-6	N/A	(31)					
	n	HT: 47433 S/N 231-7	N/A	(32)					
	(8)			(33)					
	(9)			(34)					
	(10)			(35)				-	
	(11)			(36)					
	(12)			(37)					
	(13)			(38)	<del></del>				
	(14)			(39)			<u> </u>		
	(15)		·	(40)			ļ	<del></del>	
	(16)			(41)			<b> </b>	<del></del>	
	(17)			(42)					
	(18)			(43)				<del></del>	
	(19)	<u></u>		(44)			<b></b>		
~	(20)			(45)	-		ļ		
	(21)			(46)			<del> </del>		_
	(22)			(47)			<del> </del>		
	(23)			(48)			ļ		
	(24)			(49)			ļ		
	(25)			(50)		· · · · · ·	L		
10	). Des	ign pressure 125	) psi. Temp.	575 °F.	Hydro, test pre	ssure	N/A	At temp	. <b>°</b> F

<sup>\*</sup>Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 S/N 231-7 **CERTIFICATION OF DESIGN** Design specifications certified by P.E. State N/A Reg. no. N/A (when applicable) Design report \* certified by N/A P.E. State N/A Reg. no. N/A (when applicable) 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** Atwood & Morrill Co., Inc. (NPT Certificate Holder) 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 And employed by **New York** H.S.B.C.T. have inspected these items described in this Data Report on Hartford, CT , 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. Commissions

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

Not to Exceed One Day's Production

1.	Manut	factured and certified by	Atwood & Morrill Co	o., inc.	285 Canal Stree	t Salem,	MA 01970		
2.	Manut	factured for Pennsylv	ania Power & Light		k, PA 18603	naser)			··-
3.	Locati	on of installation Sus	quehanna II 2 North	•	treet Allentown,		l-1179	<del></del> -	
4.	Туре:	*32462-613-C F	Rev.0 SA 479-3	304	87,800 PSI		N/A	20	002
	•	(drawing no.)	(mari. spec.		(tensile strength)	· · · · · · · · · · · · · · · · · · ·	(CRN)		r built)
5.	ASME	Code, Section III, Division		·	S71	1		N/A	
_	<b></b>		(edition)		iddenda date)	(class)	<b>D</b> -4-	(Code Case no.)	•
О.	rabno	ated in accordance with C	onst. Spec. (Div. 2 only)	N//		N/A	Date _	N/A	
7.	Remar		A&M Item 21 Qty. 4 Pi						
			prepared by A&M.		tification meets	the require	ed informat	ion of ASME	
	Sec	tion III 1971 Edition	Summer 1971 addend	a	<del></del>	<del></del>			
8.	Nom. 1	Thickness (in.) 1.50	Min. design thickness (in.	) 1.3	Dia. ID (ft & in	.) <u>N/A</u>	Length ove	erall (ft& in.)	N/A
^	. ·	annicable Cartificate Hel	ders' Data Reports are atta	abad for a	useh itam ef this tan		_		
<b>y</b> .	vvnen	applicable, Certificate noi	ders Data Reports are atta	cnea lor e	ach kem of this rep	ort.	•		
	F	Part or Appurtenance Serial Number	National Board No.		Part or Appur Serial Nu		j	National Board No.	
		. •	in Numerical Order				in Nu	merical Order	
	(1)	HT: 72402 S/N 4	N/A ·		(26)			•	- 1
	(2)	HT: 72402 S/N 6	N/A		(27)				7
	(3)	HT: 72402 S/N 7	N/A		(28)				$\Box$
	(4)	HT: 72402 S/N 8	N/A		(29)				
	(5)				(30)				
	(6)				(31)			,	
	(7)				(32)				
	(8)				(33)				
	(9)				(34)				
	(10)			_  .	(35)		<u> </u>		
	(11)				(36)		<del> </del>		_
	(12) (13)		<del></del>	<b>∤</b> . ∣	(37)	<del></del>	<del> </del>		
	(14)				(39)		<del> </del>		
	(15)		<u></u>		(40)				
	(16)		······································	{	(41)	<del></del>	<del> </del>		$\dashv$
	(17)			_	(42)		<del>                                     </del>		$\dashv$
	(18)			`	(43)				ヿ
	(19)				(44)				7
	(20)			_] .	(45)				
	(21)				(46)			· · · · · · · · · · · · · · · · · · ·	
	(22)		· <del></del>	.	(47)		ļ		_
	(23)		···		(48)		<del> </del>		_
	(24) (25)	<del></del>		·	(49) (50)		<del> </del>		-
	(=0)	·			(30)	<u> </u>	<del></del>		
10	). Des	ign pressure 1250	) psi. Temp.	575	*F. Hydro. test p	ressure	N/A (when applicab	At temp.	<b>*F</b> .

<sup>\*</sup>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.

	Cerdificate	olders ochlaritos.	111.72		. 3/14 4, 0, 7, 8					
	CERTIFIC	CATION 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					
	•	ITE OF COMPLIANC	E	•						
We certify that the statements made in this report are correct and that this (these)  conforms to the rules of construction of the ASME Code, Section III, Division 1.										
NPT Certificate of Authorization No.	N2607	Expires		6-13-04	1					
Date //////02 Nam	Date 1/14/02 Name Atwood & Morrill Co., Inc. Signed Series (authorized representative)									
I, the undersigned, holding a valid com		ATE OF INSPECTION		sel Inspectors and t	he State or Province of					
New York	And employed by			в.с.т.						
of Hartford, CT  Best of my knowledge and belief, the C  III, Division 1. Each part listed has bee  By signing this certificate, neither the in in this Data Report. Furthermore, neith loss of any kind arising from or connect	n authorized for stamping on t spector nor his employer make er the inspector nor his emplo	d these parts or appur he date shown above es any warranty, expr yer shall be liable in a	tenances in a c. essed or impli iny manner fol	ed, concerning the	equipment described					
Date ////02 Signed	(authorized inspe		Commissions	Nat'l Bd. (Incl. Endorse	ments) and state or prov. and no.]					

# 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., I	nc. 285 C	anal Street	Salem, I	MA 01970		· · · · · · · · · · · · · · · · · · ·
2.	Manufactured for Pennsylva	•	erwick, PA	•	eri			
3.	Location of installation Susq	uehanna II 2 North Nir	•	Allentown, F	•	-1179		
4.	Type: *32467-622-D Re	ev.9 SA 105 GR	II.	546 MPa		N/A	20	002
	(drawing no.)	(matil. spec. no.)		tensile strength)		(CRN)	(yes	r built)
5.	ASME Code, Section III, Division	1: 1971 (edition)	S7 (addenda		. 1 (class)		N/A (Code Case no.)	
6.	Fabricated in accordance with Cor	nst. Spec. (Div. 2 only)	N/A	Revision	N/A	Date	N/A	·
<b>7</b> .	(A&M S.O. 90168) *Dwg. Section III 1971 Edition su		et A&M P	/N 32162-409 ion meets the	9-2974-00 e require	00_QLA d informatio	on of ASME	
8.	Nom. Thickness (in.) 7.5	Min, design thickness (in.)	5.49	Dia. ID (ft & in.)	N/A	Length over	all (ft& in.)	N/A
9.	When applicable, Certificate Holds  Part or Appurtenance  Serial Number	National Board No. In Numerical Order	7	em of this report Part or Appurte Serial Numb	nance	Во	lational pard No. perical Order	
	(1) HT 47433 S/N 230-8	N/A	(26)					
	(2)		(27)					
	(3)		(28)					
•	(4)		(29)					
	(5)		(30)					<b>一</b> ] .
	(6)		(31)	:				
	(7)	· · · · · · · · · · · · · · · · · · ·	(32)		-			
	(8)		(33)				·····	_
	(9)		(34)		<del></del>	<del> </del>		
	(10)		(35)					$\dashv$
	(11)		(36)			<b> </b>		$\neg$
	(12)		(37)					
	(13)		(38)					
	(14)		(39)					<b>-</b>  -
	(15)		(40)					=
	(16)		(41) (42)					
	(17)	<del></del>	(43)			ļ		
	(19)		(44)		<del></del>			$\dashv$
	(20)		(45)			<del>                                     </del>		
	(21)		(46)	<del></del>		<del> </del>	····	$\dashv$
	(22)	<del></del>	(47)					$\dashv$
	(23)		(48)	*				$\dashv$
	(24)		(49)			<del> </del>	<del></del>	$\neg$
	(25)		(50)			<del>                                     </del>		$\dashv$
1	0. Design pressure 1250	psi. Temp. <u>57</u>		Hydro, test pre	ssure	N/A When applicable	At temp.	<b>•</b> F

<sup>\*</sup>Supplemental information in the form of fists, sketches, or drawings may be used provided (1) size is 8 % 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.

Certificate Holders' Serial Nos. HT: 47433 S/N 230-8 N/A **CERTIFICATION OF DESIGN** Design specifications certified by P.E. N/A N/A Reg. no. N/A State Design report \* certified by P.E. N/A N/A Reg. no. N/A State (when applicable) 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 Atwood & Morrill Co., Inc. (NPT Certificate Holder) **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 have inspected these items described in this Data Report on 13/13/02, and state that to the Hartford, CT 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.

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

Pg. 1 of 2

1.	Manuf	factured and certified by	Atwood & Morrill Co.,	Inc. 285 C		Salem, I	MA 01970		
2.	Manuf	actured for Pennsylv	ania Power & Light E	Berwick, PA	18603 address of Purchas	er)			
3.	Location	on of installation Sus	quehanna II 2 North N	inth Street		A 18101	-1179	<del></del>	•
4.	Type:	*32162-409-D F	Rev. 1 SA 105 GF (mari. spec. no		552 MPa tensile strength)	<del></del>	N/A (CRN)	200 (year t	
5.	ASME	Code, Section III, Division	n 1: 1971 (edition)	S7		1 (class)	<del></del>	N/A (Code Case no.)	
6.	Fabric	ated in accordance with C		N/A	Revision	N/A	Date	N/A	
7.		M S.O. 90168) *Dwg	A&M Item 21 Qty. 7 Cov i. prepared by A&M. Th summer 1971 addenda	ver A&M P/I				on of ASME	
8.	Nom.	Thickness (in.) 5.3125	Min. design thickness (in.)	5.094	Dia. 1D (ft & in.)	_N/A	Length over	all (ft& in.)	N/A_
9.	When	applicable, Certificate Hol	ders' Data Reports are attach	ned for each ite	m of this report	<b>:</b>			
	F	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurte Serial Numb		Bo	ational eard No. erical Order	
	(1)	HT: 47433 S/N 231-1 HT: 47433 S/N 231-2	N/A N/A	(26)					- -   · ·
	(3)	HT: 47433 S/N 231-3	N/A	(28)					-
	(4)	HT: 47433 S/N 231-4	N/A	(29)					]
	(5)	HT: 47433 S/N 231-5	N/A	(30)					]
	(6)	HT: 47433 S/N 231-6	N/A	(31)					_
	(7)	HT: 47433 S/N 231-7	N/A	(32)	<u> </u>				4
	(8)			(33)					_
	(9)			(34)					-∤ '
	(10)			(35)	<del></del>				4
	(11)			(36)					
	(13)		· · · · · · · · · · · · · · · · · · ·	(37)					$\dashv$
	(14)		· · · · · · · · · · · · · · · · · · ·	(39)					-
	(15)			(40)		<del></del>			-
	(16)		· · · · · · · · · · · · · · · · · · ·	(41)					7
	(17)			(42)					╡
	(18)			(43)	<del></del>			<del></del>	7
	(19)			(44)					7
	(20)			(45)					1
-	(21)	•		(46)					7
	(22)		·	(47)			· · · · · · · · · · · · · · · · · · ·		7
	(23)			(48)					7
	(24)			(49)					7
	(25)		***************************************	(50)					7
10	D. Des	ign pressure 1250	O psi. Temp. 5	575 °F.	Hydro. test pre	ssure	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 % 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.

	S/N 231-7									
	CERTIFICATIO	ON OF DESIG	N							
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	1					
Date 10/31/02 1	Name Atwood & Morrill Co (NPT Certificate Holde		Signed <u>/</u>	Just Signature (authorized	representative)					
I. the undersigned, holding a valid co	CERTIFICATE Commission issued by the National Boa			sel inspectors and t	he State or Province of					
New York	And employed by		•	3.C.T.						
of Hartford, CT  Best of my knowledge and belief, the III, Division 1. Each part listed has be By signing this certificate, neither the	have inspected these items desc Certificate Holder has fabricated these een authorized for stamping on the dat inspector nor his employer makes any ither the inspector nor his employer she ected with this inspection.	e parts or app te shown abov r warranty, exp	ata Report on urtenances in a re. pressed or impli any manner for	10/31/02 cordance with the ded, concerning the	· equipment described					
Date 10/31/02 Signed	(authorized inspector)		Commissions	(Nat'l Bd. (incl. Endorser	nents) and state or prov. and no.]					

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

Not to Exceed One Day's Production

(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	
3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179	<del></del>
(name and address)	
4. Type: *32462-613-C Rev.0 SA 479-304 87,800 PSI N// (drawing no.) (mat/l. spec. no.) (tensile strength) (CRI	
5. ASME Code, Section III, Division 1: 1971 S71 1 (edition) (addenda data) (class)	N/A (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date (no.)	N/A
<ol> <li>Remarks: Cust. Item 01 A&amp;M Item 21 Qty. 4 Pilot Poppet A&amp;M P/N 32462-613-4226-12         (A&amp;M S.O. 90168) *Dwg. prepared by A&amp;M. This certification meets the required infor Section III 1971 Edition Summer 1971 addenda</li> </ol>	
8. Nom. Thickness (In.) 1.50 Min. design thickness (In.) 1.36 Dia. ID (ft & In.) N/A Length	n overall (fl& in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:	
Part or Appurtenance Serial Number Board No. In Numerical Order  Part or Appurtenance Serial Number	National Board No. n Numerical Order
(1) HT: 72402 S/N 4 N/A (26) (2) HT: 72402 S/N 6 N/A (27)	
(3) HT: 72402 S/N 7 N/A (28) (4) HT: 72402 S/N 8 N/A (29)	
(5) (30) (31)	
(32)	
(8) (9) (34)	
(10) (11) (35) (36)	
(12)	
(14) (15) (39) (40)	
(16) (41) (42)	· ·
(18) (19) (43) (44)	
(20)	
(21) (46) (47)	
(23) (48) (49)	
(25)	

<sup>\*</sup>Supplemental information in the form of lists, sketches, or drawings may be used provided [1] size is 8 % 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.

	Certificate Holders	Senai Nos.	H1: 724	through	S/N 4, 6, 7, 8
	CERTIFICATIO	N 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	F COMPLIANC	<b>:E</b>	•	
We certify that the statements made in the conforms to the rules of construction of the				Pilot Poppet	<u>t</u>
NPT Certificate of Authorization No.	N2607	Expires _		6-13-04	١ . 
Date 1//14/02 Name	e Atwood & Morrill Co		Signed 5	authorized	representative)
	CERTIFICATE O	F INSPECTIO	N.		
I, the undersigned, holding a valid comm  New York An	nission issued by the National Board	d of Boiler and	Pressure Vessel	•	ne State or Province of
of Hartford, CT  Best of my knowledge and belief, the Cert III, Division 1. Each part listed has been a By signing this certificate, neither the insp in this Data Report. Furthermore, neither loss of any kind arising from or connected  Date	have inspected these items descritificate Holder has fabricated these authorized for stamping on the date bector nor his employer makes any the inspector nor his employer sha	e parts or appur e shown above warranty, expr all be liable in a	ita Report on itenances in accordances ressed or implied any manner for a	//////2_ ordance with the A d, concerning the e ny personal injury	equipment described or property damage or
	(authorized inspector)	•	Ţ(	Nat'l Bd. (incl. Endorsem	nents) and state or prov. and no.]

1. Owner		PPL SUSQUE			Date	16	JUNE-2003					
	769 SAL	EM BLVD, BERWI	<del>-</del>		Sheet1	of	4					
2. Plant	Susc	ACCIESS QUEHANNA STEAM	FLECTRIC STA	TION	Unit		Two					
Z. Flaiit		NAME		11014				<del></del>				
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Ren		AGE 4 OF 4					
3. Work Pe	erformed by	PPL Sus	SQUEHANNA. LL	С	Type Code Sym	_		<u>=</u>				
0	• •		NAME		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			<u> </u>				
	769 SAL	EM BLVD, BERWI	ск, РА 18603	<del></del>	Authorization No	)	N/A					
					Expiration Date		N/A					
4. Identific	4. Identification of System MAIN STEAM 283A-II											
5. (a) App	i. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case											
(b) Ap	(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA											
6. Identific	ation of Comp	onents Repaired or F	Replaced and Repl	acement Compor	nents							
	ame of a	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)				
1. VAL	VE BONNET	ANCHOR	E5853-54-1	N/A	HV20109	1976	REPLACED	YES				
	M LEAK OFF	DARLING				-						
2. VAL PLU	VE BONNET G	PPL	N/A	N/A	HV20109	2003	REPLACEMENT	No				
3. VAL	VE BONNET M LEAK OFF	ANCHOR DARLING	E5853-55-1	N/A	HV20111	1975	REPLACED	YES				
4. VAL	VE BONNET	PPL	N/A	N/A	HV20111	2003	REPLACEMENT	No				
	VE BONNET M LEAK OFF	ANCHOR DARLING	E5853-97-1	N/A	HV20107	1976	REPLACED	YES				
6. VAL	VE BONNET	PPL	N/A	N/A	HV20107	2003	REPLACEMENT	No				
	LL PIPE r Support	BECHTEL	N/A	N/A	SPDBB208- H13	1983	REPLACED	YES				
7. Descrip	tion of Work			See I	PAGE 4 OF 4							
8. Tests C		lydrostatic	Pneumatic	_	perating Pressure t Temp.	<u>X</u>	SEE PAGE 4 0	)F 4				
tion i		stal sheets in form of ugh 6 on this report of this form.										

### FORM NIS-2 (Back)

	MANUFACTURERS DATA		facturer's Data Reports to be attache	d	
					<del></del>
			<del></del>		<del></del>
		CERTIFICATION	ON OF COMPLIANCE		
Wed	certify that the statements made		rrect and this REPA	 ■ conforms to ti	ne rules of the
SME Cod	le, Section XI.		REPLACE repair or repl		
		·			
Туре Со	ode Symbol Stamp		N/A		· · · · · · · · · · · · · · · · · · ·
Certificat	te of Authorization No.	N/A	Expiration	N/A	
Signed	SR h	1.1	Date \/	19	20 03
	Owner of Owner's Designee	, Title Welding Engineer		Je : / / 1/	
•	CE	ERTIFICATION OF	F INSERVICE INSPE	CTION	
	rsigned, holding a valid comm				
JOHNS	of <u>PENNSYLVANIA</u> STON, RHODE ISLAND		FACTORY MUTUAL have i	LINSURANCE CO.  nspected the componen	
	er's Report during the period of my knowledge and belief, t			13-03	and state that
	eport in accordance with the re			Consciere measures de	Sulped in this
	ng this certificate neither the least and corrective measures de				
	ns and corrective measures of ble in any manner for any pers				
-					_
spection.			mmissions NR7480	A N.TR.NC I	<b>フ</b> オファッス
spection.	Inspector's Signature	Co	National Boar	d State Province and	Endomoments

1. Owner		PPL SUSQUE			Date	16-June-2003				
	769 SAL	EM BLVD, BERWI	·· <del>·</del>		Sheet	2 of	4			
2. Plant	Susc	Address  QUEHANNA STEAM	ELECTRIC STAT	TION	Unit		Two			
2. 7 6/10		NAMI								
	769 SAL	EM BLVD, BERWI	ск, РА 18603		Rer		AGE 4 OF 4 on P.O. No., Job No., etc.			
3. Work Perform	ned by	PPL Sus	SQUEHANNA, LL	<u>c</u>	Type Code Syn	_				
	- 760 Sai	EM BLVD, BERWI	NAME ICK DA 18603		Authorization N	0	N/A			
	109 SAL	Address	ICK, FA 10003		Audionzation N	···	IN/A			
					Expiration Date		N/A			
4. Identification	of Syster	m		MAIN STEAM	<u>. 2</u>	B3A-II				
		uction Code				Addenda,	No (	Code Case		
(b) Applicat	ble Edition	of Section XI Utilize	d for Repairs or Re	eplacements 19	89 No Add	ENDA				
6. Identification	of Comp	onents Repaired or F	Replaced and Repl	acement Compor	ents					
						· 1 · · · · · ·	T			
		:						ASME		
l	_			National Board	<b>0</b> 11	,,	Repaired, Replaced, or	Code Stamped		
Name of Compon		Name of Manufacturer	Manufacturer Serial No.	No.	Other Identification	Year Built	Replacement	(Yes or		
O Gillipoli.								No)		
8. SMALL P	DIDE	BECHTEL	N/A	N/A	SPDBB208-	1983	REPLACED	YES		
SNUBBER SU		BECHIEL	IVA	WA	H17	1965	REPLACED	1123		
9. SMALL P	PIPE	BECHTEL	N/A	N/A	SPDBB208-	1983	REPLACED	YES		
SNUBBER SU					H87	ļ <u></u>		<u> </u>		
10. SMALL P SNUBBER SU		BECHTEL	N/A	N/A	SPDBB208- H88	1983	REPLACED	YES		
11. SMALL P		BECHTEL	N/A	N/A	SPDBB208-	1983	REPLACED	YES		
SNUBBER SU		Deciries	1,1,1,1	''''	H89	""				
12. STEM / D	DISC	YARWAY	1883	N/A	HV20112A1	1983	REPLACED	YES		
ASSEMB						<u> </u>		<u> </u>		
13. STEM / D ASSEMBI		YARWAY	AA00-B23	N/A	HV20112A1	2001	REPLACEMENT	YES		
14. BACK SE	EAT	YARWAY	3986	N/A	HV20112A1	1983	REPLACED	No		
Bushino						1				
15. BACK SE BUSHING		YARWAY	5293	N/A	HV20112A1	2000	REPLACEMENT	No		
16. STEM/D ASSEMB		YARWAY	D14-C-7	N/A	HV20112B1	1988	REPLACED	YES		
17. STEM / D		YARWAY	AA00-B25	N/A	HV20112B1	2001	REPLACEMENT	YES		
ASSEMB								1		
18. BACK SE BUSHING		YARWAY	3986	N/A	HV20112B1	1983	REPLACED	No		

1. Owner	PPL SUSQUEHANNA, LLC				Date	16	-JUNE-2003	
	769 SAL	EM BLVD, BERW			Sheet	3 of	4	
		Address					_	
2. Plant	Susc	UEHANNA STEAM		TON	Unit		Two	
	769 SAI	EM BLVD, BERW	_			SEE P	AGE 4 OF 4	
<del></del>	700 OAL	Address	1011, 171 10000		Rep	eir Organizatio	n P.O. No., Job No., etc.	
3. Work Per	rformed by	PPL Sus	SQUEHANNA, LLO	<u>C</u>	Type Code Syn	nbol Stamp	NONE	
<del></del>	769 SAL	EM BLVD, BERW	ICK, PA 18603		Authorization N	o	N/A	
		Address			Expiration Date		N/A	
4. Identifica	ation of Syster	n		MAIN STEAM	2	B3A-II		
(b) App	licable Edition	uction Code of Section XI Utilize	d for Repairs or Re	eplacements 19	89 No Add		No Co	ode Case
	me of aponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. BACI BUSI		YARWAY	5293	N/A	HV20112B1	2000	REPLACEMENT	No
20. STEN		YARWAY	D7	N/A	HV20112C1	1983	REPLACED	YES
21. STEN	M / DISC EMBLY	YARWAY	AA00-A19	N/A	HV20112C1	2001	REPLACEMENT	YES
22. BACI BUSI		YARWAY	3986	N/A	HV20112C1	1983	REPLACED	No
23. BACI BUSI		YARWAY	5293	N/A	HV20112C1	1993	REPLACEMENT	No
24. STEN	M / DISC EMBLY	YARWAY	D7	N/A	HV20112D1	1983	REPLACED	YES
25. STEN	M / DISC EMBLY	YARWAY	AA00-A3	N/A	HV20112D1	2001	REPLACEMENT	YES
26. BACI BUSI	k Seat	YARWAY	3986	N/A	HV20112D1	1983	REPLACED	No
27 PAC		VARIVAV	5202	NI/A	HV20112D1	1003	REDI ACEMENT	No

BUSHING

1. Owner		PPL S	USQUEH NAME		LLC		Date	16-J	UNE-2003	
	769 SALE		BERWIC	к, PA	18603		Sheet	of	4	
2. Plant	Susc	UEHANNA			RIC STATI	ON	Unit	-	Two	
	769 SALE		BERWIC	K, PA	18603	<del></del>	Repa	SEE B	ELOW	
3. Work Per	rformed by			QUEHAN	NNA, LLC	<u>:</u>	Type Code Sym	•	Non	1e
	769 SALE				18603		Authorization		N/A	
-		ADD	RESS				Expiration Date		N/A	
4. Identifica	ation of System					MAIN STEAM	28	3A-II		
	licable Constru			19 <u>7</u> for Rep	_	thru W72	_ /	No NDA	Code Case	
6. Identifica	ation of Compo	nents Repa	ired or R	eplaced :	and Replac	cement Compone	ents			

ITEM No	CRF /	DESCRIPTION OF WORK	YEAR /	CODE	TESTING	PRESSURE TEST	
	PCWO / MOD		ADDENDA	CASES		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
		I	1				i

			•	
WIP	CRDER	5031562		

F S ORDER NO		NO	ORDER	F ES
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#### 2025565

# FORM N.2 CESTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL

(drawing no.) ASME Code, Section III:	AMS5385E (disc)  [matt spec nc.)  [986  witten)  Spec (Div. 2 cnly)  CORDANCE WITH CONST  THE OWNER OR THEIR  SIGN SPECIFICATION FO	(name and address of NF  S. LYNCHBURG, V.  (name and address  S. 2.000 PSI  (name and address  NONE  (notited date)  TRUCTION DATA  R DESIGNEE SHA	PT Certificate Holder)  VA 24506 of purchaser)  (Amount) (Amount) (CR  (CR  (CR  (CR  (CR  (CR  (CR  (CR	(Code Case RC.)  Data  IRE RETAINING PARTS FOR  OR RECONCILING THIS
Location of installation STOC  Type 969155-06 (drawing no.)  ASME Code, Section III: 1  Fabricated in accordance with Const. S  Remarks: FABRICATED IN ACC  ARWAY SERIES 5500 GLOBE VALVE	AMS5385E (disc) (mar. spec no.) (1986 (union) Spec. (Div. 2 only) CORDANCE WITH CONSTITUTE OWNER OR THEIR SIGN SPECIFICATION FO	(name and address of parties and add add add add add add add add add	MIN. N/ (cr) (mgh) (cr) (cr) (cr) (cr) (cr) (cr) (cr) (cr)	(Code Case RC.)  Date  RE RETAINING PARTS FOR  OR RECONCILING THIS
Type 969155-06 (drawing no.)  ASME Code, Section III: 1  Fabricated in accordance with Const. S  Remarks: FABRICATED IN ACCORDANCE SERIES 5500 GLOBE VALVE	AMS5385E (disc)  [mat. spec. no.)  1986  Spec. (Div. 2 only)  CORDANCE WITH CONS  THE OWNER OR THEIR  SIGN SPECIFICATION FO	52,000 PSI (tensile street NONE (actionda date) TRUCTION DATA R DESIGNEE SHA	Min. N/ Ingth) (CF  1 (CESSI)  Revision —  RESSU  ALL BE RESPONSIBLE FOR USING THE PARTS.	(Code Case RC.)  Date  RE RETAINING PARTS FOR  OR RECONCILING THIS
(trawing no.)  ASME Code, Section III:	(mart spec no.)  (1986  (Spec. (Div. 2 cnly)  CORDANCE WITH CONS  THE OWNER OR THEIR  SIGN SPECIFICATION FO	52,000 PSI (tensile street NONE (actionda date) TRUCTION DATA R DESIGNEE SHA	Min. N/ Ingth) (CF  1 (CESSI)  Revision —  RESSU  ALL BE RESPONSIBLE FOR USING THE PARTS.	(Code Case RC.)  Date  RE RETAINING PARTS FOR  OR RECONCILING THIS
(trawing no.)  ASME Code, Section III:	(mart spec no.)  (1986  (Spec. (Div. 2 cnly)  CORDANCE WITH CONS  THE OWNER OR THEIR  SIGN SPECIFICATION FO	(consider street NONE (actionds date)  (soc) TRUCTION DATA R DESIGNEE SHAP OR THE FACILITY	Revision  GESSONS REV. A. PRESSU ALL BE RESPONSIBLE FO	(Code Case RC.)  Date  RE RETAINING PARTS FOR  OR RECONCILING THIS
Fabricated in accordance with Const. ( Remarks: FABRICATED IN ACC	Spec. (Div. 2 only)  CORDANCE WITH CONS  THE OWNER OR THEIR  SIGN SPECIFICATION FO	(addends 420)	Revision 969005 REV. A. PRESSU ALL BE RESPONSIBLE FO USING THE PARTS.	Date TRE RETAINING PARTS FOR DR RECONCILING THIS
Remarks: FABRICATED IN ACC	CORDANCE WITH CONS THE OWNER OR THEIR SIGN SPECIFICATION FO	TRUCTION DATA R DESIGNEE SHA OR THE FACILITY	Revision 969005 REV. A. PRESSU ALL BE RESPONSIBLE FO USING THE PARTS.	Date TRE RETAINING PARTS FOR DR RECONCILING THIS
Remarks: FABRICATED IN ACC	CORDANCE WITH CONS THE OWNER OR THEIR SIGN SPECIFICATION FO	(PA) TRUCTION DATA R DESIGNEE SHAP OR THE FACILITY	S69005 REV. A. PRESSU ALL BE RESPONSIBLE FO USING THE PARTS.	OR RECONCILING THIS
ARWAY SERIES 5500 GLOBE VALVE	. THE OWNER OR THEIR	R DESIGNEE SHA	ALL BE RESPONSIBLE FO	OR RECONCILING THIS
	SIGN SPECIFICATION FO	OR THE FACILITY	USING THE PARTS.	•
INSTRUCTION DATA WITH THE DES				
•	. Cesign Thickness (in.)	Da. ID	2(11.&an.) — L	
Nom. thickness (in.) Min.				Angui overali (ic a ic)
When applicable, Certificate Holders' C	Data Reports are attached t	for each item of thi	is report:	•
	National Double		Park on American	National Record No.
Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	
1) AA00-A1		(26)	• A Section	• •
2) AACC-A2	#* 1	(27)	i e je je	· •
3) AA00-A3 4) AA00-A4	. •	(28)	. 1944. 1944.	
4) AACO AS  -AACO  •	(30)			
AAOO-AS		(31)	_	
AACO AS CAPITAL STATE	•	(32)	. • .	•
4). PEROTE	• •	(34)	• .	
D) AA00-A10		(35)		
i) AA00-A11 z) AA00-A12		(36)		
3) AA00-A13		(38)	•	i i
n AA00-A14		(39)		1
5) AA00-A15	•	(40)		
5) AA00-A16 7) AA00-A17		(41)	•	·
3) -MOO A18 7-17/20 7/27/00		(43)	•	
F) AADO-A19	•	(44)		
7) AA00-A20 1) AA00-A21	•	(45) (46)		
Z) AA00-A22	•	(47)		
i) AA00-A23 .	•	(48)		FII
s) AA00-A24 5) AA00-A25		(49)		OP SU
5) AA00-A25		(50)	•	PBG
·		J L	•	
Design pressure	psi. Temp.	••	°F Hydro, test pressure	N/A st temp. *

\*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 5½ 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.

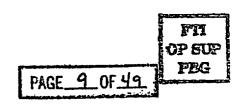
(12/86)

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)	P.E. State	Reg. no.					
Design report" certified by	• • • •	P.E. State	Reg. no					
7	CERTIFICATE OF SHOP COMPLIANCE							
We certify that the statements made in this conforms to the rules of construction of the	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 Factorized rep	Poster (Communication)					
	CERTIFICATE OF SHOP INS	PECTION	•					
PENNSYLVANIA	sion issued by the National Board of Boiler and employed by	MUTUAL INSURANCE COMPANY						
of Johnston, RI have inspec	ted these items described in this Data Rep and belief, the Certificate Holder has fabri	orton <u>07/21/00</u>						
ASME Code, Section III. Each part listed I	has been authorized for stamping on the d	ata 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 0:3	ATT. WILLOW  (Authoritied Inspector)	Commissions PA 2389 A.  (Nart. Bd. (Incl. andurser	. B. N. S. I					



(12/86)

WIP ORDER	5041158	<del></del>		SALES OF	RDER NO	2037906
	FORM	N-2 CERTIFICATE HOLI NUCLEAR PARTS	DERS' DATA REPOR' AND APPURTENAN	<b></b>	TICAL	
	A	s Required by the Provis			<b>C</b>	Pg 1 _ of _ ^
	<u> </u>	WOY TO CYCSEO	One Day's Production	AU .		W W
. Manufactured	d and certified by	YARWAY CORPORATION	480 NORRISTOWN ROA (name and address of NPT Certific	AD, BLUE BEL	L PA 1942	22-0760
. Manufactured	for FF	RAMATOME ANP. Inc., LYNC	HBURG, VA 24508 (herry and address of purcha			
Location of in	staliationS	TOCK	frame and address)			
_		ALIGERATE (.C)				****
Туре	969155-06 (drawing Bo.)	AMS5385E (disc)	(famile strength)		N/A (CRIN)	
		1986		1		
		•	•	• •		(Code Case no.)
. Febricated in	accordance with Cor	nst. Spec. (Div. 2 only)	Ren	rision	D	ate
Pararte:	EARDICATED IN	ACCORDANCE WITH CONS	TRUCTION DATA 96900	SPEV A PRE	SSIIRF P	ETAINING DARTS EOR
POTIME AS	PROMOGRA	ACCOMPANCE THIS COME	THOU THE BATTLE COLOR	J. C. L.		ETAITMO FACTO FOR
YARWAY SERI	ES 5500 GLOBE VA	LVE. THE OWNER OR THE	R DESIGNEE SHALL BE	RESPONSIBL	E FOR RE	CONCIUNG THIS
=						
CONSTRUCTIO	N DATA WITH THE	DESIGN SPECIFICATION FO	OR THE FACILITY USING	THE PARTS.		
		DESIGN SPECIFICATION FO				
		DESIGN SPECIFICATION FO				overali (ft. & in.)
. Nom, thickne	ss (in.)		Dia. ID (ft. & i	n)	Length	
Nom, thickne When applica Part or A	ss (in.)	Min. design thickness (in.) _	Dis. ID (ft. & i	n.)t:	Length	National Board No.
Nom, thickne When applica Part or A Serial	ss (in.) ble, Certificate Holde ppurtenance	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Dia. ID (ft. & i for each item of this repor	Appurtenance	Longth  Descriptions  Australia  Service	National Board No. In Numerical Order
Norn, thickness When applica Part or A Serial	ss (in.) ble, Certificate Holde ppurtenance	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Dia. ID (ft. & ifor each item of this report or Ser (26) AA00-B	Appurtenance	Length	National Board No. in Numerical Order
Norn, thickne When applica Part or A Serial	ss (in.) ble, Certificate Holde ppurtenance	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Dia. ID (ft. & ifor each item of this report  Part or Ser  (26) AA00-8 (27) AA00-8 (28) AA00-8	Appurtenance ial Number	Length  2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	National Board No. In Numerical Order
Part or A Serial  (1) AA00-B1 (2) AA00-B2 (3) AA00-B3 (4) AA00-B4	ss (in.) ble, Certificate Holde ppurtenance	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Dia. ID (ft. & interpretation of this report or Ser (26) AA00-8 (27) AA00-8 (29) AA00-8	Appurtenance ial Number 26 27 28 29	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. in Numerical Order
Part or A Serial  (1) AA00-B1 (2) AA00-B2 (3) AA00-B3 (4) AA00-B4 (5) AA00-B5	ss (in.) ble, Certificate Holde ppurtenance	Min. design thickness (in.) rs' Data Reports are attached National Board No.	— Dia. ID (ft. & information item of this report of Ser. (26) AA00-8 (27) AA00-8 (29) AA00-8 (30) AA00-8	Appurtenance ial Number 26 27 28 29	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. in Numerical Order
Part or A Serial  (1) AA00-B1 (2) AA00-B2 (3) AA00-B3 (4) AA00-B4	ss (in.) ble, Certificate Holde ppurtenance	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Dia. ID (ft. & interpretation of this report or Ser (26) AA00-8 (27) AA00-8 (29) AA00-8	Appurtenance ial Number 26 27 28 29 30	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. in Numerical Order
Part or A Serial  (1) AA00-81  (2) AA00-82  (3) AA00-83  (4) AA00-85  (5) AA00-86  (7) AA00-87  (8) AA00-88	ss (in.) ble, Certificate Holde ppurtenance	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Part or Ser  (26) AA00-B (27) AA00-B (28) AA00-B (29) AA00-B (30) AA00-B (31) AA00-B (32) AA00-B (32) AA00-B	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. In Numerical Order
Part or A Serial  (1) AA00-81 (2) AA00-82 (3) AA00-83 (4) AA00-85 (6) AA00-86 (7) AA00-88 (7) AA00-88 (9) AA00-89	ss (in.) bie, Certificate Holds ppurtenance Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Part or Ser  (26) AA00-B (27) AA00-B (28) AA00-B (29) AA00-B (30) AA00-B (31) AA00-B (32) AA00-B (32) AA00-B (33) AA00-B	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No.
Part or A Serial  (1) AA00-B1 (2) AA00-B3 (4) AA00-B4 (5) AA00-B5 (6) AA00-B6 (7) AA00-B8 (7) AA00-B8 (9) AA00-B9 (10) AA00-B1	ss (in.) ble, Certificate Holds pourtenance Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Part or Ser (26) AA00-B (29) AA00-B (31) AA00-B (34) (35)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No
Part or A Serial  (1) AA00-B1 (2) AA00-B2 (3) AA00-B3 (4) AA00-B4 (5) AA00-B6 (7) AA00-B7 (8) AA00-B9 (10) AA00-B10 (11) AA00-B11	ss (in.) ble, Certificate Holds pourtenance Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Part or Ser (26) AA00-8 (31) AA00-8 (34) (35) (36)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No
Part or A Serial  (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-B1 (11) AA00-B11 (12) AA00-B12 (13) AA00-B13	ss (in.) ble, Certificate Holds pourtenance Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	— Dia. ID (ft. & lifer each item of this report or Ser (26) AA00-8 (27) AA00-8 (30) AA00-8 (31) AA00-8 (32) AA00-8 (33) AA00-8 (35) (36) (37) (38)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No
Part or A Serial  (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-B1 (11) AA00-B1 (12) AA00-B1 (13) AA00-B13 (14) AA00-B13	ss (in.) ble, Certificate Holds  pourtenance  Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	— Dia. ID (ft. & lifer each item of this report or Ser (26) AA00-8 (27) AA00-8 (31) AA00-8 (32) AA00-8 (33) AA00-8 (35) (36) (37) (38) (39)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No
Part or A Serial  (1) AA00-B1  (2) AA00-B2  (3) AA00-B3  (4) AA00-B4  (5) AA00-B5  (6) AA00-B8  (7) AA00-B9  (10) AA00-B10  (11) AA00-B10  (12) AA00-B10  (13) AA00-B13  (14) AA00-B14  (15) AA00-B15	ss (in.) ble, Certificate Holds  ppurtenance  Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	— Dia. ID (ft. & lifer each item of this report or Ser (26) AA00-8 (27) AA00-8 (29) AA00-8 (31) AA00-8 (32) AA00-8 (33) AA00-8 (35) (36) (36) (37) (38) (39) (40)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No.
Part or A Serial  (1) AA00-81 (2) AA00-82 (3) AA00-83 (4) AA00-84 (5) AA00-85 (6) AA00-88 (7) AA00-89 (10) AA00-810 (11) AA00-810 (12) AA00-810 (13) AA00-813 (14) AA00-814 (15) AA00-815 (16) AA00-816 (16) AA00-816	ss (in.) ble, Certificate Holds  pourtenance  Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	— Dia. ID (ft. & lifer each item of this report or Ser (26) AA00-8 (27) AA00-8 (31) AA00-8 (32) AA00-8 (33) AA00-8 (35) (36) (37) (38) (39)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. in Numerical Order
Pert or A Serial  (1) AA00-81 (2) AA00-82 (3) AA00-83 (4) AA00-84 (5) AA00-85 (6) AA00-85 (7) AA00-89 (10) AA00-81 (11) AA00-812 (12) AA00-812 (13) AA00-813 (14) AA00-814 (15) AA00-816 (16) AA00-816 (17) AA00-817 (18) AA00-818	ss (in.) bis, Certificate Holds  ppurtenance  Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Part or Ser  (26) AA00-B (27) AA00-B (28) AA00-B (29) AA00-B (30) AA00-B (31) AA00-B (32) AA00-B (33) AA00-B (34) (35) (36) (37) (38) (39) (40) (41) (42) (43)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. in Numerical Order
Pert or A Serial  (1) AA00-81 (2) AA00-82 (3) AA00-83 (4) AA00-84 (5) AA00-85 (6) AA00-86 (7) AA00-89 (10) AA00-81 (11) AA00-814 (12) AA00-815 (14) AA00-815 (15) AA00-815 (16) AA00-815 (17) AA00-815 (18) AA00-815 (18) AA00-815 (18) AA00-815 (18) AA00-815 (18) AA00-815 (18) AA00-815	ss (in.) ble, Certificate Holds  pourtenance  Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	Part or Ser  (26) AA00-B (27) AA00-B (28) AA00-B (29) AA00-B (31) AA00-B (31) AA00-B (32) AA00-B (33) AA00-B (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. in Numerical Order
Pert or A Serial  (1) AA00-81 (2) AA00-82 (3) AA00-83 (4) AA00-84 (5) AA00-85 (6) AA00-86 (7) AA00-89 (10) AA00-810 (11) AA00-811 (12) AA00-812 (13) AA00-812 (14) AA00-816 (15) AA00-816 (16) AA00-816 (17) AA00-816 (17) AA00-816 (18) AA00-816 (19) AA00-816	ss (in.) ble, Certificate Holds  pourtenance  Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	— Dis. ID (ft. & lifer each item of this report or Ser (26) AA00-8 (27) AA00-8 (28) AA00-8 (31) AA00-8 (32) AA00-8 (33) AA00-8 (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. In Numerical Order
Pert or A Serial  (1) AA00-81 (2) AA00-82 (3) AA00-83 (4) AA00-84 (5) AA00-85 (6) AA00-86 (7) AA00-87 (8) AA00-89 (10) AA00-81 (11) AA00-813 (14) AA00-813 (14) AA00-813 (15) AA00-813 (16) AA00-813 (17) AA00-813 (18) AA00-813 (19) AA00-813 (20) AA00-823 (21) AA00-823	ss (in.) ble, Certificate Holds  pourtenance Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	— Dis. ID (ft. & lifer each item of this report Ser Ser (26) AA00-8 (27) AA00-8 (28) AA00-8 (31) AA00-8 (32) AA00-8 (33) AA00-8 (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. In Numerical Order
Pert or A Serial  (1) AA00-81 (2) AA00-82 (3) AA00-83 (4) AA00-84 (5) AA00-85 (6) AA00-86 (7) AA00-89 (10) AA00-89 (10) AA00-81 (11) AA00-813 (14) AA00-813 (15) AA00-813 (16) AA00-813 (17) AA00-813 (17) AA00-813 (18) AA00-813 (19) AA00-813	ss (in.) ble, Certificate Holds  pourtenance Number	Min. design thickness (in.) rs' Data Reports are attached National Board No.	— Dis. ID (ft. & lifer each item of this report or Ser (26) AA00-8 (27) AA00-8 (28) AA00-8 (31) AA00-8 (32) AA00-8 (33) AA00-8 (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45)	Appurtenance ial Number  26 27 28 29 30 31	Length  27.09 Cast  Aust of A  Serial  Australia  Australia  Australia  Australia  Australia	National Board No. In Numerical Order

10.	Design pressure	pei, Temp.	•	F Hydro, test pressure	N/A	at temp. F
	"FOR ANSI CLASS 1500 VALVES				(when applicable)	

"Supplemental information in the form of lists, statches, 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.

This form (ED0040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Felifield, NJ 07007-2300, Frig. 7 OF 24

#### FORM N-Z (back)

Mit. Serial No. SEE FRONT

	CERTIFICATION OF DESI	GN					
Design specifications certified by	(SEE REMARKS)	P.E. State	Reg. no				
Design report* certified by		P.E. State	Reg. no				
	CERTIFICATE OF SHOP COMP	PLIANCE					
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, 1	14, 2001				
Date	Name YARWAY CORPORATION (NPT Cattificate Hoteler)	Signed 1.00 jaufhorized	Oceszka				
	CERTIFICATE OF 8HOP INSP	ECTION					
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							
	pected these items described in this Data Report						
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 <u>5/11/01</u> Signed	My Marvetto Co	ommissions Pa 2 0 5 G A Purt. Bd. finct. endon	JIBSISA- Hernents) statu or prov. and no.)				
			S				

OP ET

# APPENDIX D.3 SNUBBER REPLACEMENT NIS-2 FORMS

### **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-П	375172	GBC201-H338
283-III	461871	GBC201-H336

### 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

1. Owner		PPL Susque		<del></del>	Date	4	1/22/2003	
	769 Sa	lem Blvd, Berwi		<del></del>	Sheet	of	1	<del></del>
2. Plant	Su	squehanna Stear		ion	Unit		2	
	769 Sa	lem Blvd, Berwie	-		MAIN/PCW 375131	_	Code Form No. i 03 249 005 n P.O. No., Job No., etc.	
3. Work Perf	ormed by		squehanna, LL	<u>c</u>	Type Code S			<del></del>
	769 Sa	lem Blvd, Berwin	ck, PA 18603		Authorization	No	N/A	<del></del> _
		A001655			Expiration Da	te	N/A	
4. Identificat	tion of Syster	m		249 G,Cla	ss I , RHR S	STEM		
		uction Code of Section XI Utilize	<u>                                     </u>	71 Edition	thru W'72 89 No Add.	Addenda,	N/A C	code Case
6. Identificat	tion of Comp	onents Repaired or F	Replaced and Repl	acement Compo	nents			
Nam Comp	ne of conent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Mechanic Arre		Pacific Scientific	07400	N/A	DCA208H7	1981	Replaced	No
Mechanic Arre		Pacific Scientific	01348	N/A	DCA208H7	1978	Replacement	No
7. Descriptio 8. Tests Con	nducted: H	Repl	Pneumatic	Nominal C	same size,tes Operating Pressu		ement snubber NONE	
		tal sheets in form of ugh 6 on this report						

### FORM NIS-2 (Back)

. Remarks N/A	
Apo	slicable Manufacturer's Data Reports to be attached
CERT	IFICATION OF COMPLIANCE
We certify that the statements made in the rep	
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	A Expiration N/A
Signed Signed	Date April 22 ,20 03
Owner or Owner's Designee, Title Welding Enginee	er - Site Design Group
CERTIFICA	TION OF INSERVICE INSPECTION
About double and bolding a valid commission issues	d by the National Board of Boiler and Pressure Vessel Inspectors and the State
r Province of _PENN\$YLVANIA and em	ployed by FACTORY MUTUAL INSURANCE CO of
JOHNSTON, RHODE ISLAND  this Owner's Report during the period	have inspected the components described
3/9/2003toto	, and state that
o the best of my knowledge and belief, the Owner ha bwner's Report in accordance with the requirements	as performed examinations and taken corrective measures described in this of the ASME Code. Section XI.
By signing this certificate neither the Inspector nor	r his employer makes any warranty, expressed or implied, concerning the
xaminations and corrective measures described in the half be liable in any manner for any personal injury c	this Owner's Report. Furthermore, neither the Inspector nor his employer or property damage or a loss of any kind arising from or connected with this
spection.	
William P. Riger III Commi	
Inspectore Signature	National Board, State, Province, and Endorsements
eate 23. MAY2003	

1. Owner		PPL Susque			Date		1/22/2003	
	769 Sa	iem Blvd, Berwi	ck, PA 18603		Sheet	of	1	
2. Plant	Su	squehanna Stea		ion	Unit		2	
	769 Sa	Nam lem Blvd, Berwi	-		MAIN/PC 375121		Code Form No. 1 03 262 014 on P.O. No., Job No., etc.	
3. Work Pe	rformed by	Address PPL Sus	squehanna, LL	C	Type Code	Repair Organization Symbol Stamp		·
	769 Sa	lem Blvd, Berwi			Authorization	n No.	N/A	
		Address			Expiration D	ate	N/A	
4. Identifica	ation of Syster	n	262 /	A, Class I, F	REACTOR VE	SSEL SYS	TEM	
		uction Code of Section XI Utilize	<u>    </u> 19	71 Editio	n, thru W72			ode Case
6. Identifica	ation of Compo	onents Repaired or F	Replaced and Repl	acement Comp	onents			
	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificatio	Year n Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
***************************************	ical Shock estor	Pacific Scientific	16325	N/A	DBA205H1	1 1983	Replaced	No
	ical Shock restor	Pacific Scientific	14209	N/A	DBA205H1	1982	Replacement	No
		D		and the language of the langua				
7. Descripti	on of Work	Repi	aceu existing :	snubber with	same size,te	sted replac	ement snubber	
8. Tests Co		ydrostatic Other Press	Pneumatic ure	₩	Operating Pressest Temp.	ure°F	NONE 2	×
		al sheets in form of igh 6 on this report						

This form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N. Y. 10017

### FORM NIS-2 (Back)

9. Remarks N/A	
Apolicable Manufacturar's Data	Reports to be attached
	·
CERTIFICATION OF	COMPLIANCE
We certify that the statements made in the report are correct and	
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A Exp	piration N/A
Signed ES Le la l	Date April 22 ,20 03
Owner or Owner's Designee, Title Welding Engineer - Site Design Group	7-10-1
CERTIFICATION OF INSER	RVICE INSPECTION
the understand holding a valid commission issued by the National Re	one of Bolley and Bransura Vascal Inspectors and the State
I, the undersigned, holding a valid commission issued by the National Bo or Province of <u>PENNSYLVANIA</u> and employed by <u>FA</u>	CTORY MUTUAL INSURANCE CO of
JOHNSTON, RHODE ISLAND in this Owner's Report during the period	have inspected the components described
toto4/15/2003_	, and state that
to the best of my knowledge and belief, the Owner has performed exami Owner's Report in accordance with the requirements of the ASME Code,	, Section XI.
By signing this certificate neither the Inspector nor his employer make	es any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report, shall be liable in any manner for any personal injury or property damage	
inspection.	
William P. Tools T Commissions NB79801	PA 2204
	Board, State, Province, and Endorsements
Date 23. MAY 2003_	

1. Owner	PPL Susque			Date	4	/22/2003	· · · · <del>-</del> · · ·
769 \$	Salem Blvd, Berwi	ck, PA 18603		Sheet	of	7	
2. PlantS	Susquehanna Stea		on	Unit	VPCWO	2	
769 \$	Nam Salem Blvd, Berwi	-		Mai See Sheet		Coc	le Form No.
3. Work Performed by	Address PPI Sur	squehanna, LL		Type Code S		n P.O. No., Job No., etc. None	,
•		Name					
769 8	Salem Blvd, Berwi	CK, PA 18603		Authorization	No	N/A	
				Expiration Da		N/A	
4. Identification of Sys	-				ND JET PL	JMPS SYSTEM	<u></u>
<ol> <li>(a) Applicable Cons</li> <li>(b) Applicable Edition</li> </ol>	struction Code ion of Section XI Utilize	III 19			Addenda, No Add.	N/A C	ode Case
	nponents Repaired or F	10.0			<b></b>	•	
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	6072	N/A	DCA202H3	1978	Replaced	No
(Item 1) Mechanical Shock Arrestor	Pacific Scientific	6073	N/A	DCA202H3	1978	Replacement	No
Mechanical Shock Arrestor (Item 2)	Pacific Scientific	3715	N/A	RW\$200H36	1978	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	1368	N/A	RW\$200H36	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	RW\$200H40	1981	Replacement	No
7. Description of Work 8. Tests Conducted:	Rep Hydrostatic Press	Pneumatic	Nominal (	same size, te Operating Pressu st Temp.	F1	ement snubber	

### FORM NIS-2 (Back)

Certificate of Authorization No.  N/A  Expiration  Date April 22  , 20 03  CERTIFICATION OF INSERVICE INSPECTION  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.  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 hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions NB 7980 1 PA 2204  Inspector's signature  National Board, State, Province, and Endorsements	ADOlic	cable Manufacturer's Data Reports to be attached
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the SME Code, Section XI.  Type Code Symbol Stamp  N/A  Certificate of Authorization No.  N/A  Expiration  Date April ZZ  , 20 03  CERTIFICATION OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennisyl-Vania and employed by FACTORY MUTUAL INSURANCE CO.  JOHNSTON, RHODE ISLAND  And employed by FACTORY MUTUAL INSURANCE CO.  JOHNSTON, RHODE ISLAND  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 variantations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this ispection.  William R. Report Owner and Endorsements  NB 7980 1 PA 2204  National Board, State, Province, and Endorsements		
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1. Owner		PPL Susque			Date	4	/22/2003	
	769 Sa	lem Blvd, Berwie	ck, PA 18603		Sheet	2 of	7	
2. Plant _	Sus	squehanna Stear		ion	Unit		2	
	769 Sa	Name lem Blvd, Berwid			See Sheet 6	of 7		
		Address			Rep	air Organization	P.O. No., Job No., etc.	
3. Work Perfo	ormed by	PPL Sus	Name Name	<u>c</u>	Type Code Sym	nbol Stamp	None	
	769 Sa	lem Blvd, Berwid	ck, PA 18603		Authorization N	o	N/A	
					Expiration Date		N/A	
4. Identificat	ion of Syster	n26	64B, Class I, R	ECIRC WAT	ER LOOPS AND	JET PU	MPS SYSTEM	
		uction Code				Addenda, No add.	N/A C	ode Case
		onents Repaired or F						
Nam Comp	e of onent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Mechanic Arre: (Iten	stor	Pacific Scientific	18569	N/A	SPDCA202H2602	1981	Replaced	No
Mechanic Arres	al Shock	Pacific Scientific	20814	N/A	SPDCA202H2602	1982	Replacement	No
Mechanic Arres (Item	stor	Pacific Scientific	3719	N/A	RWS200H30	1978	Replaced	No
Mechanic Arres	al Shock	Pacific Scientific	8630	N/A	RWS200H30	1981	Replacement	No
Mechanic Arres (Item	stor	Pacific Scientific	4569	N/A	DCA202H4B	1978	Replaced	No
Mechanic Arres	al Shock	Pacific Scientific	19477	N/A	DCA202H4B	1981	Replacement	No
7. Descriptio 8. Tests Con	ducted: H	Repl	Pneumatic	Nominal	same size, testo Operating Pressure est Temp.	ed replac	ement snubber NONE	Κ
NOTE: tion in i	Supplemen	tal sheets in form of ugh 6 on this report	lists, sketches, o is included on ea	r drawings may ach sheet, and	be used, provided (3) each sheet is r	(1) size is numbered a	8½ in. x 11 in., (2) and the number of	informa- sheets is

1. Owner		PPL Susque		·	Date	4.	/22/2003	
	769 Sa	lem Blvd, Berwi	·· <del>·</del>		Sheet3	<u>B</u> of	7	
2. Plant	Sus	squehanna Stear		on	Unit		2	
	769 Sa	lem Blvd, Berwi			See Sheet 6 d			
3. Work Per	formed by	Address PPL Sus	quehanna, LL	С	Type Code Sym	•	P.O. No., Job No., etc. None	
	769 Sa	lem Blvd, Berwi			Authorization N	o	N/A_	
		Address			Expiration Date	4.	N/A	
4. Identifica	ation of Syster	n 26	64B, Class I, R	ECIRC WAT	ER LOOPS AND	JET PU	MPS SYSTEM	
5. (a) Appl (b) App	icable Construction	uction Code of Section XI Utilizer	d for Repairs or Re	eplacements 19	89	Addenda, No Add.	N/A C	ode Case
o. identifica	adon of Comp	one no riopanoa or r	icpiaced and repr					
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Arre	ical Shock estor em 7)	Pacific Scientific	11128	N/A	SPDCA202H23	1980	Replaced	No
Mechani	cal Shock estor	Pacific Scientific	20806	N/A	SPDCA202H23	1982	Replacement	No
Arre	ical Shock estor em 8	Pacific Scientific	18830	N/A	SPDCA202H2600	1981	Replaced	No
Mechani	cal Shock estor	Pacific Scientific	18804	N/A	SPDCA202H2600	1981	Replacement	No
7 Descripti	on of Mark	Reni	aced existing	snuhhar with	same size, test	ad renlac	ement snuhher	
7. Descripti 8. Tests Co	onducted: F	Hydrostatic Dther Press	Pneumatic	Nominal	Operating Pressure	•sa replac	NONE 3	×
NOTE	: Supplemen	tal sheets in form of ugh 6 on this report	lists, sketches, o	r drawings may ach sheet, and	be used, provided (3) each sheet is r	(1) size is numbered a	8½ in. x 11 in., (2 and the number of	informa- sheets is

1. Owner	PPL Susque	ehanna, LLC		Date	4	/22/2003	
769 Sa	lem Blvd, Berwi	ick, PA 18603		Sheet	4 of	7	
2. Plant Sus	Address squehanna Stea	m Electric Stati	on	Unit		2	
	Nam			See Shee			
769 Sa	lem Blvd, Berwi	ick, PA 18603				n P.O. No., Job No., etc.	
. Work Performed by	PPL Su	squehanna, LL	<u>c</u>	Type Code	Symbol Stamp	None	)
769 Sa	iem Blvd, Berwi			Authorizatio	n No.	N/A	_
	Address			Expiration D	ate	N/A	
I. Identification of Syster	m 2	64B, Class I, R	ECIRC WAT	ER LOOPS A	ND JET PU	JMPS SYSTEM	
5. (a) Applicable Constru (b) Applicable Edition 6. Identification of Compo	uction Code of Section XI Utilize	III 19 ed for Repairs or Re	71 Edition	thru W'72	Addenda,	A1/A	ode Case
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 Nu	ımber And Year Buil	t Not Available	<u> </u>			<u> </u>	
7. Description of Work		Replaced e	xisting parts v	with sufficien	replaceme	nt parts.	
	lydrostatic Dther Pres	Pneumatic sure	_	Operating Press st Temp.	ure°F	NONE	×
NOTE: Supplemention in items 1 three	tal sheets in form o ugh 6 on this report						

760 Calon	PPL Susque	hanna, LLC		Date	4	/22/2003	
703 Salett	n Blvd, Berwi	ck, PA 18603		Sheet	5 of	7	
2. Plant Susqu	iehanna Steai	m Electric Stati	on	Unit		2	
	Nam	-	<del></del> _	See Sheet 7	of 7		
769 Salem	Address	ck, PA 18603		R	epair Organization	P.O. No., Job No., etc.	
3. Work Performed by	PPL Sus	squehanna, LL	<u>c</u>	Type Code Sy	mbol Stamp	None	)
769 Salem	n Blvd, Berwi	ck, PA 18603		Authorization	No	N/A	
	Address .			Expiration Dat	e	N/A	
4. Identification of System	2	64B, Class I, R	ECIRC WATE	ER LOOPS AN	ID JET PU	MPS SYSTEM	
5. (a) Applicable Construction (b) Applicable Edition of S					Addenda,	N/A C	ode Case
6. Identification of Component					_ 110 000.		
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

1. Own	er <u> </u>		ehanna, LLO	<u> </u>			Date	4/22/2003				
	Two North Nin			8101			Sheet _	6	of		7	
2. Plant	t Susque	hanna Stea	am Electric	Station	1		Unit		<del></del>	2	···	
	PO Box 467 / 707	Nar Salem Blvc				SEE !	BELOW					
		Address				<del></del>		Repair (	Organization	P.O. No., Job	No., etc.	
3. Work	k Performed by	PPL St	squehanna Name			Type Cod	le Symbo	oi .	None			
	Two North Nin			8101			Authorization NoN/.				/A	
		Address					Expiration	Date		N/A	A	
4. Iden	ntification of System	2	64B, CLAS	S I, RE	ECIR	C, WAT	ER LOO	PS AND	JET P	UMP SY	STEM	
٠.	Applicable Construction Applicable Edition of Se			_ 19 or Repl	71 lacem	Edition, ents 19	thru W	<del></del> ''	ddenda, lo Addend	NO la	Code Case	
6. Iden	ntification of Components	s Repaired or	Replaced and	Replac	emen	t Compon	ents					

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	1 03 264 006
6	461725	1 03 264 012
7	462207	I 03 264 015
8	462207	1 03 264 016
9	375129	I 03 264 002
10	375129	I 03 264 002
11	375129	I 03 264 002

		As Required by the Provisions of th	e ASME Cod	e Sectio	n XI			
1. Owner		PPL Susquehanna, LLC	Date		4/2	2/2003		
	Two North N	inth St., Allentown, PA 18101	Sheet _	7.	of _	7		
		Address						
2. Plant _	Susqu	ehanna Steam Electric Station	Unit			2		
PO E	3ox 467 / 707	7 Salem Blvd. Berwick, PA 18603	SEE BELOW					
		Address	\- <u>-</u>	Repair Or	ganization P	.O. No., Job No., etc.		
3. Work Perfo	rmed by	PPL Susquehanna, LLC	Type Cod	e Symbol	_	None		
	Two North N	inth St., Allentown, PA 18101	Authorizat	ion No.		N/A		
			Expiration	Date _		N/A		
4. Identification	on of System	264B, CLASS I, RECIRC, V	VATER LOOF	S AND	JET PU	IMP SYSTEM		
(b) Applica		on Code III 19 71 Edit Section XI Utilized for Repairs or Replacements onts Repaired or Replaced and Replacement Con	19 89		denda, _ Addenda	NO Code Case		
	ITEM(S)	WORK ORDER	NO.	EPAIR FORM NO.				
	12	462956			I 03 264 017			
	13	462956			1	03 264 017		
	14	375260			I	03 264 004		
	15	375260			I	03 264 004		
					····			

1. Owner	PPL Susque			Date	4/22/2003							
769 Sa	alem Blvd, Berwi	ck, PA 18603		Sheet	<u>1</u> of	2						
	Address	n Flankia Otak				•						
2. Plant St	Isquehanna Steal	n Electric Stati	on	<u>-</u>								
769 Sa	alem Blvd, Berwi	ck, PA 18603		MAIN/PCWO Code Form No. See sheet 2 of 2								
	Address			·	-	n P.O. No., Job No., etc.						
3. Work Performed by	PPL Sus	Name	<u>C</u>	Type Code Sym	nbol Stamp	None	<del>)</del>					
769 Sa	Address	ck, PA 18603	Authorization N	o	N/A							
Expiration DateN/A												
4. Identification of System 283 D, Class III , MAIN STEAM SYSTEM												
(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	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	BC201H336 1982		No					
Mechanical Shock Arrestor	Pacific Scientific	2073	N/A	GBC201H338	1977	Replaced	No					
( item 2) Mechanical Shock Arrestor	Pacific Scientific	2598	N/A	GBC201H338	1977	Replacement	No					
7. Description of Work	Rep	laced existing	snubber with	same size,teste	ed replace	ement snubber						
• • • • • • • • • • • • • • • • • • • •	Hydrostatic	Pneumatic ure	-	Operating Pressure st Temp.	°F	NONE	×					
NOTE: Supplemention in items 1 through	ntal sheets in form of ough 6 on this report of this form.	lists, sketches, or is included on ea	r drawings may ach sheet, and	be used, provided (3) each sheet is r	(1) size is numbered a	8½ in. x 11 in., (2 and the number of	) informa- sheets is					

### FORM NIS-2 (Back)

9. Remarks N/A	
Apolica	able Manufacturer's Data Reports to be attached
· · · · · · · · · · · · · · · · · · ·	
CERTIF	ICATION OF COMPLIANCE
We certify that the statements made in the repor	rt are correct and this Replacement conforms to the rules of the
ASME Code, Section XI.	repair or replacement
Type Code Symbol Stamp	N/A
Certificate of Authorization No. N/A	Expiration N/A
801 11	
Signed Sector	Date April ZZ ,20 03
Owner or Owner's Designee, Title Welding Engineer -	
CERTIFICATI	ON OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued b	by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of <u>PENNSYLVANIA</u> and emplo JOHNSTON, RHODE ISLAND	oyed by
in this Owner's Report during the period	nave inspected the components described
3/9/2003toto	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 nearner the inspector nor in	ils employer makes any warranty, expressed or implied, concerning the sowner's Report. Furthermore, neither the Inspector nor his employer
	s Owners Heport. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with this
inspection.	property surrings of a loss of any finite arising from the serimental final and
` •	
William R. Request Commission Inspector Signature	
Inspector s Signature	National Board, State, Province, and Endorsements
Date 23 - May2003	

		<del></del>								
1. Owner			uehanna, LLC		Date		4/22/	2003		
	Two North		<sup>name</sup> entown, PA 18'	101	Cha-+	2	a.f	2		
	I WO INOIT	Address	entown, PA 18	101	Sheet _	of 2				
2. Plant	Sus	quehanna Ste	am Electric St	ation	Unit 2					
		·	ame			SEE BE	ELOW			
PO	Box 467 /	707 Salem Bly Address	d. Berwick, PA	18603		Repair On	anization P.O.	No., Job No., etc.		
3. Work Per	formed by _	PPL S	Susquehanna, L	LC	Type Code Symbol None					
	Two North	Ninth St., Alle	entown, PA 18	101	Authorizat	tion No.		N/A		
		, 44.443			Expiration	Date		N/A		
4. Identifica	ation of Systen	n		283D, CLASS III	, MAIN ST	EAM SY	STEM			
	icable Constru			19 71 Edition, Replacements 19			denda, <u>N</u> Addenda	O Code Case		
6. Identifica	ation of Compo	onents Repaired o	or Replaced and R	eplacement Compor	nents	<b>T</b>				
	ITEM(S	5)	w	ORK ORDER NO	NO. CODE REPAIR FOR					
	1	<u>,                                     </u>		461871		I 03 283 013				
	2			375172			1 03	3 283 009		
					_					
<del></del> .		· · · · · · · · · · · · · · · · · · ·								
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# 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%

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# APPENDIX F CONTAINMENT INSPECTIONS

Unit 2

ISI Identifier Description	Line Number	Section Cat.		Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
			-			20.00.00		<u> </u>	Number		
Drywell - Exterior Concrete Surface/704 - 719/0° - 90° Drywell Concrete Surface		L-A	L1.11	ΧI	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	ΧI	VT-3C		VT-3C	NRI	9911027	3/19/2003	
Drywell - Exterior Concrete Surface/704 - 719/90° - 180° Drywell Concrete Surface		L-A	L1.11	ΧI	VT-3C		VT-3C	NRI	9911027	3/19/2003	
Drywell - Exterior Concrete Surface/719 - 749/0° - 90° Drywell Concrete Surface		L-A	L1.11	ΧI	VT-3C		VT-3C	NRI	9911028	3/24/2003	
Drywell - Exterior Concrete Surface/719 - 749/180° - 270° Drywell Concrete Surface		L-A	L1.11	ΧI	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	ΧI	VT-3C		VT-3C	NRI	9911028	3/24/2003	
Drywell - Exterior Concrete Surface/749 - 779/0° - 90° Drywell Concrete Surface	347	L-A	L1.11	ΧI	VT-3C		VT-3C	NRI	9911029	3/21/2003	
Drywell - Exterior Concrete Surface/749 - 779/180° - 270° Drywell Concrete Surface		L-A	L1.11	ΧI	VT-3C		VT-3C	NRI	9911029	3/21/2003	
Drywell - Exterior Concrete Surface/749 - 779/270° - 360° Drywell Concrete Surface		L-A	L1.11	ΧI	VT-3C		VT-3C	NRI	9911029	3/21/2003	
Drywell - Exterior Concrete Surface/749 - 779/90° - 180° Drywell Concrete Surface		L-A	L1.11	ΧI	VT-3C		VT-3C	NRI	9911029	3/21/2003	

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ISI identifier	Line Number		ion XI	Inspection			Actual	Results	1 -	Date	Inspection Comments
Description		Cat.	Item	Reason	Exam	Coverage	Exam		Number	<u> </u>	
Drywell - Exterior Concrete Surface/779 - 791/0° - 90° Drywell Concrete Surface		L-A	L1.11	ΧI	VT-3C						Inaccessible
Drywell - Exterior Concrete Surface/779 - 791/180° - 270° Drywell Concrete Surface		L-A	L1.11	ΧI	VT-3C	_					Inaccessible
Drywell - Exterior Concrete Surface/779 - 791/270° - 360° Drywell Concrete Surface		L-A	L1.11	ΧI	VT-3C	_					Inaccessible
Drywell - Exterior Concrete Surface/779 - 791/90° - 180° Drywell Concrete Surface		L-A	L1.11	ΧI	VT-3C						Inaccessible
Drywell - Exterior/Liner Plate/791' - 794'/0° - 90° Liner Plate		E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911013	4/14/2003	
Drywell - Exterior/Liner Plate/791* - 794*/180* - 270* Liner Plate		E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911013	4/14/2003	
Drywell - Exterior/Liner Plate/791' - 794'/270° - 360° Liner Plate		E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911013	4/14/2003	
Drywell - Exterior/Liner Plate/791' - 794'/90° - 180° Liner Plate		E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911013	4/14/2003	
Drywell - Exterior/X- 10/709/209° X-10	STEAM TO RCIC TURBINE	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X- 100A/706/306*	NEUTRON MONITORING SYSTEM	E-A	E1.11	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-100A			E1.12								
Dryweli - Exterior/X- 100B/706/47*	NEUTRON MONITORING SYSTEM	E-A	E1.11	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-100B			E1.12								

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ISI Identifier	Line Number	Secti	on XI	Inspection	Required	Code	Actual	Results	Report	Date	Inspection Comments
Description		Cat.	Item	Reason	Exam	Coverage	Exam		Number	}	
Drywell - Exterior/X- 100C/706/313°	NEUTRON MONITORING SYSTEM	E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-100E			E1.12								
Drywell - Exterior/X- 100F/711/46°	SPARE	E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-100H			E1.12								
Drywell - Exterior/X- 101A/735/294°	MEDIUM VOLTAGE POWER	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-101A		_	E1.12								
Drywell - Exterior/X- 101B/732/114°	MEDIUM VOLTAGE POWER	E-A	E1.11	ΧI	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	Gν	-	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								

ISI Identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Exterior/X- 101F/727/114° X-101F	MEDIUM VOLTAGE POWER	E-A	E1.11	ΧI	GV		. GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 102A/729/262° X-102A	TEMP AND LOW LEVEL SIS	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 102B/729/85° X-102B	NON ESS LOW LEVEL SIGNALS	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 103A/706/334° X-103A	TEMP AND LOW LEVEL SIGNALS	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X- 103B/711/36° X-103B	TEMP AND LOW LEVEL SIGNALS	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X- 104A/706/341° X-104A	CRD PRO POSITION INDICATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X- 104B/711/22° X-104B	CRD PRO POSITION INDICATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X- 104C/711/345° X-104C	CRD PRO POSITION INDICATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X- 104D/711/29° X-104D	CRD PRO POSITION INDICATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X- 104E/706/347*	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-104E  Drywell - Exterior/X- 104F/706/33°  X-104F	SPARE	E-A	E1.12 E1.11	XI	GV		GV	NRI	9911010	3/16/2003	

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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
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Drywell - Exterior/X- 104G/711/353°	SPARE	E-A	E1.11	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-104G			E1.12		<del></del>						
Drywell - Exterior/X- 104H/706/26°	SPARE	E-A	E1.11	XI	GV		GΛ	NRI	9911010	3/16/2003	•
X-104H			E1.12								
Drywell - Exterior/X- 105A/729/286°	MISC LOW VOLTAGE POWER	E-A	E1.11	ΧI	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	ΧI	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	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-106C			E1.12								
Drywell - Exterior/X- 106D/740/54°	LOW VOLTAGE CONTROL	E-A	E1.11	ΧI	GV				9911011	3/14/2003	inaccessible
X-106D			E1.12								
Drywell - Exterior/X- 107/740/65°	LOW VOLTAGE CONTROL	E-A	E1.11	ΧI	GV				9911011	3/14/2003	inaccessible
X-107			E1.12								
Drywell - Exterior/X- 108/729/234°	LOW VOLTAGE CONTROL	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-108			E1.12								
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ISI Identifier Description	Line Number		tion XI ftem	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	R <del>ep</del> ort Number	Date	Inspection Comments
Drywell - Exterior/X- 11/708/147°	STEAM TO HPCI TURBINE	E-A	E1.11	ΧI	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					·	<del></del>		
Drywell - Exterior/X- 13A/710/200° X-13A	RHR SHUTDOWN RETURN	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911010	3/16/2003	
						<del> </del>					
Drywell - Exterior/X- 13B/710/161*	RHR SHUTDOWN RETURN	E-A	E1.11	ΧI	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	ΧI	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	ΧI	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	ΧI	GV	·	GV	NRI	9911010	3/16/2003	
X-19			E1.12								
Drywell - Exterior/X- 20/763/21°	SPARE	E-A	E1.11	ΧI	GV	······································	GV	NRI	9911012	3/15/2003	
X-20			E1.12								
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ISI identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Exterior/X- 21/734/40°	INSTRUMENT GAS - A	E-A	E1.11	ΧI	GV	-	GV	NRI	9911011	3/14/2003	
X-21			E1.12								·
Drywell - Exterior/X- 22/734/43°	SPARE	E-A	E1.11	ΧI	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	ΧI	GV				9911010	3/16/2003	Inaccessible
X-23			E1.12								
Drywell - Exterior/X- 24/709/183°	CLOSED COOLING WATER RETURN	E-A	E1.11	ΧI	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	ΧI	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	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-28A			E1.12								
Drywell - Exterior/X- 28B/729/61*	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-28B			E1.12								
Drywell - Exterior/X- 29A/739/243°	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-29A			E1.12								
Drywell - Exterior/X- 29B/732/61*	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-29B			E1.12								

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ISI Identifier	Line Number		on XI	Inspection				Results	Report	Date	Inspection Comments
Description		Cat.	Item	Reason	Exam	Coverage	Exam		Number		
Drywell - Exterior/X- 30A/710/322° X-30A	INSTRUMENTATION	E-A	E1.11 E1.12	ΧI	GV						
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Drywell - Exterior/X- 30B/704/132* X-30B	SPARE	E-A	E1.11 E1.12	XI .	GV		GV	NRI	9911010	2/25/2003	
Drywell - Exterior/X- 31A/732/228°	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-31A			E1.12								
Dryweii - 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	ΧI	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	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-35B			E1.12								
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ISI Identifier	Line Number		ion XI	Inspection	Required	Code	Actual	Results	Report	Date	Inspection Comments	
Description	}	Cat.	Item	Reason	Exam	Coverage	Exam	ł	Number			
Drywell - Exterior/X- 35C/717/46* X-35C	TIP DRIVES	E-A	E1.11 E1.12	ΧI	GV	<u> </u>	GV	NRI	9911010	3/16/2003	•	
Drywell - Exterior/X- 35D/717/44° X-35D	TIP DRIVES	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911010	3/16/2003		
Drywell - Exterior/X- 35E/717/41°	TIP DRIVES	E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911012	3/15/2003		
X-36			E1.12									
Drywell - Exterior/X- 37A/735/258*	CRD SUPPLY	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003		
X-37A			E1.12									
Drywell - Exterior/X- 37B/735/102°	CRD SUPPLY	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003		
X-37B			E1.12									
Drywell - Exterior/X- 37C/735/282*	CRD SUPPLY	E-A	E1.11	ΧI	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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ISI Identifier Description	Line Number		ion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Exterior/X- 38D/735/78° X-38D	CRD RETURN	E-A	E1.11 E1.12	ΧI	GV		ĠΛ	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 39A/753/165* X-39A	CONTAINMENT SPRAY	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911012	3/15/2003	
Drywell - Exterior/X- 39B/763/0° +6 X-39B	CONTAINMENT	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911012	3/15/2003	
Drywell - Exterior/X- 3A/756/111* X-3A	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV	-	GV	NRI	9911012	3/15/2003	
Drywell - Exterior/X- 3B/756/76° X-3B	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911012	3/15/2003	
Drywell - Exterior/X- 3C/756/104° X-3C	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911012	3/15/2003	
Drywell - Exterior/X- 3D/756/79° X-3D	INSTRUMENTATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911012	3/15/2003	
Drywell - Exterior/X- 40A/729/243° X-40A	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 40B/729/248° X-40B	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 40C/735/243° X-40C	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 40D/732/243° X-40D	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12		GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 40E/729/77° X-40E	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911011	3/14/2003	

Interval: 1 Period: 2

Outage: 11

ISI Identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	1	Results	Report Number	Date	Inspection Comments
Drywell - Exterior/X- 40F/729/73*	JET PUMP INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-40F			E1.12								
Drywell - Exterior/X- 40G/729/69° X-40G	JET PUMP INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 40H/729/65°	JET PUMP INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	······································
X-40H			E1.12								
Drywell - Exterior/X- 41/754/174*	INSTRUMENT GAS	E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911012	3/15/2003	
X-42			E1.12								
Drywell - Exterior/X- 44/726/12°	SPARE	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-44			E1.12								
Drywell - Exterior/X- 45/763/270°	SPARE	E-A	E1.11	ΧI	GV		GV	NRI	9911012	3/15/2003	
X-45			E1.12								
Drywell - Exterior/X- 46/727/359°	SPARE	E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-48A			E1.12								
Drywell - Exterior/X- 48B/732/65*	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-48B			E1.12								
Drywell - Exterior/X-	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911010	2/25/2003	
49A/704/327°											

Unit 2

Description   Description	ISI Identifier	Line Number	Section X	1 .	1 ' 1		Actual	Results	Report	Date	Inspection Comments
Main   Main	Description		Cat. Item	Reason	Exam	Coverage	Exam		Number		
Dywell - Exterior/X- 5/732/299*   ESTURN   E1.12   E		INSTRUMENTATION	E-A E1	.11 XI	GV		GV	NRI	9911010	2/25/2003	
	X-49B		E	.12							
Drywell - Exterior/X-500/7042/15   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   2/25/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   2/25/2003   STRUMENTATION   E-A   E1.12   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   2/25/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   2/25/2003   STRUMENTATION   E-A   E1.12   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   2/25/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.12   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911010   3/16/2003   STRUMENTATION   E-A   E1.11   XI   QV   QV   NRI   9911011   3/16/2003   STRUMENTATION   E1.12   STRUMEN	5/724/239*				GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X- 508/708/137* X-508	X-5		<b>E</b> 1	.12							
Drywell - Exterior/X- E0B/704/142*   INSTRUMENTATION   E-A   E1.11   XI   SV   SV   NRI   S911010   2/25/2003	50A/704/215°	INSTRUMENTATION			GV		GV	NRI	9911010	2/25/2003	
	X-50A		E1	.12							
Drywell - Exterior/X-51A/70/R24*   INSTRUMENTATION   E-A   E1.11   XI   SV   GV   NRI   9911010   2/25/2003	50B/704/142°	INSTRUMENTATION			GV		GV	NRI	9911010	2/25/2003	
51ÅTOM324* X-51A  E1.12  Drywell - Exterlor/X- 51BTOM1/45* X-51B  Drywell - Exterlor/X- 52BTOM1/413* X-52A  Drywell - Exterlor/X- 52BTOM1/413* X-52B  Drywell - Exterlor/X- 52BTOM1/413* X-52B  Drywell - Exterlor/X- 52BTOM1/31* X-52B  Drywell - Exterlor/X- 54C  E1.12  Drywell - Exterlor/X- 55/736/23* X-52  Drywell - Exterlor/X- 55/736/23* X-52  Drywell - Exterlor/X- 55/736/23*  CHILLED WATER 8	X-50B	· · · · · · · · · · · · · · · · · · ·	E1	.12	,						
Drywell - Exterior/X-51B/704/145*   INSTRUMENTATION   E-A   E1.12	51A/704/324°	INSTRUMENTATION			GV		GV	NRI	9911010	2/25/2003	
518/704/145* X-518  E1.12  Drywell - Exterior/X- 528/704/137* X-52A  Drywell - Exterior/X- 528/704/137* X-52B  Drywell - Exterior/X- 538/736/29* X-53  Drywell - Exterior/X- 538/736/29* X-54  Drywell - Exterior/X- 588/736/29* X-55  Drywell - Exterior/X- 588/736/29* X-55  Drywell - Exterior/X- 61.12  Drywell - Exterior/X- 61.12  Drywell - Exterior/X- 61.12  Drywell - Exterior/X- 61.12  Drywell - Exterior/X- 688/736/29* X-55  Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 688/736/219* Drywell - Exterior/X- 689/1011 Drywell	X-51A		<b>E</b> 1	.12							
Drywell - Exterior/X-52A/T06/323* X-52A   E1.11   XI   GV   GV   NRI   9911010   3/16/2003		INSTRUMENTATION	E-A E1	.11 XI	GV		GV	NRI	9911010	3/16/2003	
S2A/T08/323°   X-52A	X-51B		E1	.12							
Drywell - Exterior/X-52B/T04/137"   X   X   X   X   X   X   X   X   X	52A/708/323°	INSTRUMENTATION	E-A E1	.11 XI	GV		GV	NRI	9911010	3/16/2003	
52B/704/137*         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           53/736/39*         X-53         E1.12         F-A E1.11 XI GV         9911011 3/14/2003 Inaccessible           Drywell - Exterior/X-54/736/51*         CHILLED WATER SUPPLY A E1.12         E-A E1.11 XI GV         9911011 3/14/2003 Inaccessible           Drywell - Exterior/X-55/736/223*         CHILLED WATER SUPPLY A E1.12         E-A E1.11 XI GV         9911011 3/14/2003 Inaccessible           Drywell - Exterior/X-56/736/219*         CHILLED WATER RETURN A         E-A E1.11 XI GV         9911011 3/14/2003 Inaccessible	X-52A		<b>E</b> 1	.12	<u>,</u>						
Drywell - Exterior/X-   SUPPLY B   E-A   E1.11   XI   GV   9911011   3/14/2003   Inaccessible   SUPPLY B   E1.12   E1.12	52B/704/137°	INSTRUMENTATION			GV		GV	NRI	9911010	3/16/2003	
\$\frac{53}{736/39^\circ} \frac{50}{100} \frac{50}{1	X-52B		E1	.12							
Drywell - Exterior/X-54/736/51° X-54         CHILLED WATER RETURN B         E-A E1.11 XI E1.12         GV         9911011 3/14/2003 inaccessible           Drywell - Exterior/X-55/736/223° X-55         CHILLED WATER SUPPLY A E1.12         E-A E1.11 XI E1.12         GV         9911011 3/14/2003 inaccessible           Drywell - Exterior/X-56/736/219°         CHILLED WATER RETURN A         E-A E1.11 XI E1.11 XI E1.11         GV         9911011 3/14/2003 inaccessible					GV				9911011	3/14/2003	Inaccessible
54/736/51° RETURN B         X-54       E1.12         Drywell - Exterior/X- SUPPLY A         CHILLED WATER SUPPLY A       E-A E1.11 XI E1.12         B1.12       GV         9911011 3/14/2003 inaccessible         Drywell - Exterior/X- 56/736/219°       CHILLED WATER RETURN A         E-A E1.11 XI GV       9911011 3/14/2003 inaccessible	X-53		E1	.12						····	
Drywell - Exterior/X- 55/736/223°         CHILLED WATER SUPPLY A         E-A E1.11         E1.11         XI         GV         9911011         3/14/2003         inaccessible           X-55         E1.12         E1.12         GV         9911011         3/14/2003         inaccessible           Drywell - Exterior/X- 56/736/219°         CHILLED WATER RETURN A         E-A         E1.11         XI         GV         9911011         3/14/2003         inaccessible			E-A E1	.11 XI	GV				9911011	3/14/2003	Inaccessible
55/736/223° SUPPLY A  X-55 E1.12  Drywell - Exterior/X- CHILLED WATER RETURN A  E-A E1.11 XI GV 9911011 3/14/2003 inaccessible	X-54		E1	.12							
Drywell - Exterior/X- 56/736/219*         CHILLED WATER RETURN A         E-A         E1.11         XI         GV         9911011         3/14/2003 inaccessible			E-A E1	.11 XI	GV				9911011	3/14/2003	inaccessible
56/736/219° RETURN A	X-55		E1	.12							
X-56 E1.12			E-A E1	.11 XI	GV	•			9911011	3/14/2003	inaccessible
	X-56		E1	.12							

Unit 2

	1										Outage, 11
ISI Identifier	Line Number	Sect	tion XI	inspection	Required	Code	Actual	Results	Report	Date	Inspection Comments
Description		Cat.	Item	Reason	Exam	Coverage	Exam		Number		
		<u> </u>							L	<u> </u>	
Drywell - Exterior/X-	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
57/755/169°			<b>-</b> 46								
X-57			E1.12								
Drywell - Exterior/X-	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
58A/735/228° X-58A			_i								
A-30A			E1.12								
Drywell - Exterior/X-	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
58B/735/65° X-58B			E4 40								
			E1.12	<del> </del>							
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								
	ODD DEMOVAL		*		614						
Drywell - Exterior/X-6 (CRD Hatch)/718/216°	CRD REMOVAL HATCH	E-A	E1.11	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-6 (CRD Hatch)			E1.12								
Drywell - Exterior/X-	MINI DUDGE LINE D	E.^			CV.		CV	NP	0011011	0/4 4/0000	
60A/726/294°	MINI PURGE LINE B	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-60A			E1.12								
Drywell - Exterior/X-	INSTRUMENTATION	F.A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
60B/735/61°	·		_1.11	M	u.		4	14111	0011011	J/ 1-7/2003	
X-60B			E1.12								
Drywell - Exterior/X-	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
61A/726/243°				***	<del>-</del> •		·	. ** **		G 1712000	
X-61A			E1.12								
Drywell - Exterior/X-	INSTRUMENTATION	E-A	E1.11	ΧI	GV	<del></del>	GV	NRI	9911011	3/14/2003	
61B/726/65°							-				
X-61B			E1.12								
Drywell - Exterior/X-	INSTRUMENTATION	E-A	E1,11	ΧI	GV		GV	NRI	9911011	3/14/2003	
62A/726/248°											
X-62A			E1.12								
Drywell - Exterior/X-	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
62B/726/69°											
X-62B			E1.12								

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ISI Identifier	Line Number	Sect	tion XI	Inspection	Required	Code	Actual	Results	Report	Date	Inspection Comments
Description		Cat.	ltem :	Reason			Exam	1	Number	1	Į —
<u> </u>		'		لـــــــــــــــــــــــــــــــــــــ	<u></u>	ــــــــــــــــــــــــــــــــــــــ		<u>'</u>			
Drywell - Exterior/X- 63A/726/253°	INSTRUMENTATION	E-A	E1.11	ΧI	GV	_	GV	NRI	9911011	3/14/2003	
X-63A			E1.12								
Drywell - Exterior/X- 63B/726/73° X-63B	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911011	3/14/2003	
<del></del>											
Drywell - Exterior/X- 64A/729/253° X-64A	INSTRUMENTATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911011	3/14/2003	
<del></del>											
Drywell - Exterior/X- 64B/726/77°	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-64B			E1.12								
Drywell - Exterior/X- 65A/768/54*	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911012	3/15/2003	
X-65A			E1.12								
Drywell - Exterior/X- 65B/768/131°	INSTRUMENTATION	E-A	E1.11	ΧI	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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Dywell - Exterior/X-	Description		Cat.	Item	Reason	Exam	Coverage	Exam		Number		
Drywell - Exterior/X-	Drywell - Exterior/X- 7C/740/0° -10	MAIN STEAM	E-A		XI	GV	- ,	GV	NRI	-	3/14/2003	<u></u>
Drywell - Exterior/X-   MAIN STEAM LINE   E-A   E1.11   XI   GV   GV   NRI   9911011   3/14/2003	X-7C			E1.12								
DRAIN   File	Drywell - Exterior/X- 7D/740/0° -3 X-7D	MAIN STEAM	E-A		XI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X-800/729/159*   SPARE   E-A   E1.11   XI   GV   GV   NRI   9911011   3/14/2003   SPARE   E-A   E1.12   SPARE   E-A   E1.12   SPARE   E-A   E1.12   SPARE   E-A   E1.11   XI   GV   GV   NRI   9911011   3/14/2003   SPARE   E-A   E1.11   XI   GV   GV   NRI   9911011   3/14/2003   SPARE   E-A   E1.12   SPARE   E-A   E1.11   XI   GV   GV   NRI   9911011   3/14/2003   SPARE   E-A   E1.12   SPARE   E-A   E1.11   XI   GV   GV   NRI   9911012   3/15/2003   SPARE   E-A   E1.11   XI   GV   GV   NRI   9911012   3/15/2003   SPARE   E-A   E1.11   XI   GV   GV   NRI   9911012   3/15/2003   SPARE   E-A   E1.11   XI   GV   GV   NRI   9911012   3/15/2003   SPARE   E-A   E1.12   SPARE   E-A   E1.11   XI   GV   GV   NRI   9911012   3/15/2003   SPARE   E-A	Drywell - Exterior/X-8/731/0°		E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
## 10 Paywell - Exterior/X- ## 12/02 ANALYZER   E1.12   X-8			E1.12									
Drywell - Exterior/X-80B/726/156*   INSTRUMENTATION   E-A   E1.11   XI   GV   GV   NRI   9911011   3/14/2003   3/14/2003	Drywell - Exterior/X- 80A/726/159°	SPARE	E-A		ΧI	GV		GV	NRI	9911011	3/14/2003	
80B/726/156* X-80B  E1.12  Drywell - Exterior/X- 81A/756/86* X-81A  Drywell - Exterior/X- 81A/756/86* X-81B  Drywell - Exterior/X- 81B/756/123* X-81B  Drywell - Exterior/X- 82B/756/136* X-82A  E1.12  Drywell - Exterior/X- 82B/756/136* X-82B  Drywell - Exterior/X- 82B/756/136* X-83A  Drywell - Exterior/X- 83B/756/156* X-83A	X-80A			E1.12								
Drywell - Exterior/X-80C/726/153* X-80C   E1.12   E-A   E1.11   XI   GV   GV   NRI   9911011   3/14/2003	Drywell - Exterior/X- 80B/726/156°	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
80C/Z6/153* X-80C  E1.12  Drywell - Exterior/X- 81B/T66/86* X-81A  Drywell - Exterior/X- 81B/T66/123* X-80C  INSTRUMENTATION E-A E1.11 XI GV GV NRI 9911012 3/15/2003  F1.12  Drywell - Exterior/X- 82B/T66/123* X-81A  Drywell - Exterior/X- 82B/T66/123* X-82B  Drywell - Exterior/X- 82B/T66/139* X-82B  Drywell - Exterior/X- 83B/T04/150*  INSTRUMENTATION E-A E1.11 XI GV GV NRI 9911010 3/16/2003  Prywell - Exterior/X- 83B/T04/150*  INSTRUMENTATION E-A E1.11 XI GV GV NRI 9911010 3/16/2003	X-80B			E1.12								
Drywell - Exterior/X-81A/756/86*   X-81A   E1.12   E4.12   E1.12   E4.11   XI   GV   GV   NRI   9911012   3/15/2003   S14/756/86*   X-81A   E1.12   E4.12   GV   GV   NRI   9911012   3/15/2003   S15/2003   S1	Drywell - Exterior/X- 80C/726/153*	H2/O2 ANALYZER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
### 1/756/66**  X-81A  E1.12    Drywell - Exterior/X-	X-80C			E1.12								
Drywell - Exterior/X-818/123°   INSTRUMENTATION   E-A   E1.11   XI   GV   GV   NRI   9911012   3/15/2003	81A/756/66°	INSTRUMENTATION	E-A		XI	GV		GV	NRI	9911012	3/15/2003	
STRUMENTATION   E-A   E1.12	X-81A			E1.12								
Drywell - Exterior/X-   INSTRUMENTATION   E-A   E1.11   XI   GV   GV   NRI   9911012   3/15/2003	Drywell - Exterior/X- 81B/756/123°	INSTRUMENTATION	E-A		ΧI	GV		GV	NRI	9911012	3/15/2003	
82Å/756/62° X-82A E1.12  Drywell - Exterior/X- 82B/756/19° X-82B E1.12  Drywell - Exterior/X- 83Å/704/15°  Drywell - Exterior/X- 83B/704/15°  INSTRUMENTATION E-A E1.11 XI GV GV NRI 9911010 3/16/2003  E1.12  Drywell - Exterior/X- 83B/704/15°  NSTRUMENTATION E-A E1.11 XI GV GV NRI 9911010 3/16/2003  E1.12  Drywell - Exterior/X- 83B/704/15°	X-81B			E1.12								
Drywell - Exterior/X-   INSTRUMENTATION   E-A   E1.11   XI   GV   GV   NRI   9911012   3/15/2003     S2B/756/119*   X-82B   E1.12   E1.12     GV   GV   NRI   9911010   3/16/2003     S3A/704/150*   E1.12   E1.12     GV   GV   NRI   9911010   3/16/2003     GV   NRI   9911010   3/16/2003     GV   NRI   9911010   3/16/2003     GV   NRI   9911010   3/16/2003     GV   S3B/704/150*   INSTRUMENTATION   E-A   E1.11   XI   GV   GV   NRI   9911010   3/16/2003     GV   S3B/704/150*   GV   S4B/704/150*   GV   S4B/704/150*   INSTRUMENTATION   E-A   E1.11   XI   GV   GV   NRI   9911010   3/16/2003     GV   S4B/704/150*   GV   GV   S4B/704/150*   GV   S4B/704/150*   GV   S4B/704/150*   GV	82A/756/62°	INSTRUMENTATION	E-A		ΧI	GV		GV	NRI	9911012	3/15/2003	
82B/756/119° X-82B E1.12  Drywell - Exterior/X- 83A/704/150° X-83A E1.11 XI GV GV NRI 9911010 3/16/2003  Drywell - Exterior/X- 83B/704/15°  INSTRUMENTATION E-A E1.11 XI GV GV NRI 9911010 3/16/2003  BY NRI 9911010 3/16/2003  GV NRI 9911010 3/16/2003	X-82A			E1.12								
Drywell - Exterior/X- 83A/704/150°         INSTRUMENTATION         E-A         E1.11         XI         GV         NRI         9911010         3/16/2003           X-83A         E1.12         E1.12         E1.12         GV         NRI         9911010         3/16/2003           Drywell - Exterior/X- 83B/704/15°         INSTRUMENTATION         E-A         E1.11         XI         GV         NRI         9911010         3/16/2003	Drywell - Exterior/X- 82B/756/119°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
83Å/704/150°  X-83A E1.12  Drywell - Exterior/X- INSTRUMENTATION E-A E1.11 XI GV GV NRI 9911010 3/16/2003 83B/704/15°	X-82B			E1.12								
Drywell - Exterior/X- INSTRUMENTATION E-A E1.11 XI GV GV NRI 9911010 3/16/2003 83B/704/15°	Drywell - Exterior/X- 83A/704/150°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
83B/704/15°	X-83A			E1.12								
X-83B E1.12	Dryweil - Exterior/X- 83B/704/15*	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911010	3/16/2003	
	X-83B			E1.12								

ISI Identifier Description	Line Number		ion XI Item	inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Exterior/X- 84A/756/58*	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911012	3/15/2003	
X-84A			E1.12							4	
Drywell - Exterior/X- 84B/756/115° X-84B	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911012	3/15/2003	
Dryweil - Exterior/X- 85A/736/318° X-85A	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11 E1.12	ΧI	GV				9911011	3/14/2003	inaccessible
Drywell - Exterior/X- 85B/736/321°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	ΧI	GV				9911011	3/14/2003	inaccessible
X-85B	NECING PUMPS		E1.12								
Drywell - Exterior/X- 86A/735/114°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-86B			E1.12								
Drywell - Exterior/X- 87/734/46°	INSTRUMENT GAS RETURN	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-87			E1.12								
Drywell - Exterior/X- 88A/721/115°	DRYWELL N2 MAKEUP	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-88A			E1.12								
Drywell - Exterior/X- 88B/721/294°	H2/O2 ANALYZER	E-A	E1.11	ΧI	GV		GV	NRI	9911011	3/14/2003	
X-88B			E1.12								
Drywell - Exterior/X- 90A/711/327°	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-90A			E1.12	_							
Drywell - Exterior/X- 90B/711/332*	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-90B			E1.12								
Drywell - Exterior/X- 90C/711/336°	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911010	3/16/2003	
X-90C			E1.12				<u></u>				

Interval: 1 Period: 2 Outage: 11

ISI Identifier Date Line Number Code Section XI Inspection Required Actual Results Report **Inspection Comments** Description Cat. Item Reason Exam Coverage Exam Number INSTRUMENTATION ΧI Drywell - Exterior/X-F-A E1.11 **GV** GV NRI 9911010 3/16/2003 90D/711/141° X-90D E1.12 Drywell - Exterior/X-INSTRUMENTATION E-A E1.11 ΧI G۷ GV NRI 9911010 3/16/2003 90E/711/137\* X-90E E1.12 SPARE Drywell - Exterior/X-E-A E1.11 ΧI G۷ GV NRI 9911010 3/16/2003 90F/711/133° X-90F E1.12 Drywell - Exterior/X-INSTRUMENTATION E-A E1.11 ΧI GV G۷ NRI 9911011 3/14/2003 91A/726/165° X-91A E1.12 E1.11 Drywell - Exterior/X-SPARE E-A ΧI G۷ G۷ NRI 3/14/2003 9911011 91B/732/57° X-91B E1.12 Drywell - Exterior/X-INSTRUMENTATION E-A E1.11 ΧI G۷ GV NRI 9911011 3/14/2003 92/735/57° X-92 E1.12 Drywell - Exterior/X-TIP PURGE E-A E1.11 Χl G۷ G۷ NRI 9911010 3/16/2003 93/717/37° X-93 E1.12 SPARE Drywell - Exterior/X-E-A E1.11 ΧI G۷ GV NRI 9911011 3/14/2003 94/734/36\* X-94 E1.12 Drywell - Exterior/X-**FEEDWATER** E-A E1.11 ΧI G۷ G۷ NRI 9911012 3/15/2003 9A/753/0° -3 X-9A E1.12 Drywell - Exterior/X-**FEEDWATER** E-A E1.11 ΧI G۷ GV NRI 9911012 3/15/2003 9B/753/0° +3 X-9B E1.12 Drywell - Interior/Liner E-A E1.11 ΧI GV GV NRI 9911014 3/23/2003 Plate/704 - 719/0° - 90° Liner Plate E1.12 Drywell - Interior/Liner E-A E1.11 ΧI G۷ G۷ NRI 3/23/2003 9911014 Plate/704 - 719/180° - 270° Liner Plate E1.12

ISI Identifier Description	Line Number		ion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Dryweil - Interior/Liner Plate/704 - 719/270° - 360° Liner Plate		E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/Liner Plate/704 - 719/90° - 180° Liner Plate		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/Liner Plate/719 - 738/0° - 90° Liner Plate		E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/Liner Plate/719 - 738/180° - 270° Liner Plate		E-A	E1.11	ΧI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/Liner Plate/719 - 738/270° - 360° Liner Plate		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/Liner Plate/719 - 738/90° - 180° Liner Plate		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/Liner Plate/738' - 752'/0° - 90° Liner Plate	<del>-</del>	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911016	3/29/2003	
Drywell - Interior/Liner Plate/738' - 752'/180° - 270° Liner Plate		E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911016	3/29/2003	
Drywell - Interior/Liner Plate/738' - 752'/270° - 360° Liner Plate		E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911016	3/29/2003	
Dryweli - Interior/Liner Plate/738' - 752'/90° - 180° Liner Plate		E-A	E1.11	ΧI	GV		GV	NRI	9911016	3/29/2003	
Drywell - Interior/Liner Plate/752' - 767'/0° - 90° Liner Plate		E-A	E1.11	ΧI	GV		GV	NRI	9911017	3/27/2003	
Drywell - Interior/Liner Plate/752' - 767'/180° - 270° Liner Plate		E-A	E1.11 E1.12	ΧI	GV	,	GV	NRI	9911017	3/27/2003	e per estado de la composição de la comp

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ISI Identifier Description	Line Number	Secti Cat.	ion XI Item	Inspection Reason	Required Exam		Actual Exam	Results	Report Number	Date	Inspection Comments
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Drywell - Interior/Liner Plate/752' - 767'/270° - 360° Liner Plate		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911017	3/27/2003	
Drywell - Interior/Liner Plate/752' - 767'/90° - 180° Liner Plate		E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911017	3/27/2003	
Drywell - Interior/Liner Plate/767' - 779'/0° - 90°		E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911017	3/27/2003	
Liner Plate			E1.12								
Dryweli - Interior/Liner Plate/779 - 791/0° - 90°		E-A	E1.11	ΧI	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	ΧI	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			<del>,</del>			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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ISI Identifier	Line Number		tion XI	Inspection		B .	Actual	Results	Report	Date	Inspection Comments
Description		Cat.	Item	Reason	Exam	Coverage	Exam		Number		
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° Liner Plate		E-A	E1.11 E1.12	ΧI	GV						Inaccessible
Drywell - Interior/X- 10/709/209°	STEAM TO RCIC TURBINE	E-A	E1.11	ΧI	GV	<u></u>	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	ΧI	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	ΧI	GV						Inaccessible
X-100C			E1.12								
Drywell - Interior/X- 100D/706/54*	NEUTRON MONITORING SYSTEM	E-A	E1.11	ΧI	GV						Inaccessible
X-100D			E1.12								
Drywell - Interior/X- 100E/711/307°	SPARE	E-A	E1.11	ΧI	GV		GV	NRI	9911014	3/23/2003	
X-100E			E1.12								
Drywell - Interior/X- 100F/711/46*	SPARE	E-A	E1.11	ΧI	GV		GV	NRI	9911014	3/23/2003	
X-100F			E1.12								
Drywell - Interior/X- 100G/711/313°	SPARE	E-A	E1.11	ΧI	GV		GV	NRI	9911014	3/23/2003	
X-100G			E1.12								
Drywell - Interior/X- 100H/711/53°	NEUTRON MONITORING SYSTEM	E-A	E1.11	ΧI	GV						Inaccessible
X-100H			E1.12								
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ISI Identifier Description	Line Number		ion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Interior/X- 101A/735/294*	MEDIUM VOLTAGE POWER	E-A	E1.11	ΧI	GV		GV	NRI	9911015	3/24/2003	
X-101A			E1.12								
Drywell - Interior/X- 101B/732/114* X-101B	MEDIUM VOLTAGE POWER	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/X- 101C/732/294°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV	<del>,</del> , , , ,	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	ΧI	GV		GV	NRI	9911015	3/24/2003	
X-101E			E1.12			<u> </u>					
Drywell - Interior/X- 101F/727/114*	MEDIUM VOLTAGE POWER	E-A	E1.11	ΧI	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	ΧI	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	ΧI	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	ΧI	GV		GV	NRI	9911014	3/23/2003	
X-104B			E1.12								
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ISI Identifier	Line Number		ion XI	Inspection	Required			Results	1	Date	Inspection Comments
Description		Cat.	item	Reason	Exam	Coverage	Exam		Number		
Drywell - Interior/X- 104C/711/345*	CRD PRO POSITION	E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911014	3/23/2003	<del>.</del>
X-104D			E1.12								
Drywell - Interior/X- 104E/706/347*	NEUTRON MONITORING SYSTEM	E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911014	3/23/2003	
X-104G			E1.12								
Drywell - Interior/X- 104H/706/26*	SPARE	E-A	E1.11	ΧI	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								
Dryweli - Interior/X- 105C/728/212°	MISC LOW VOLTAGE POWER	E-A	E1.11	ΧI	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	ΧI	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	ΧI	GV		GV	NRI	9911015	3/24/2003	
X-106A			E1.12								

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ISI Identifier Description	Line Number	l .	tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments	
Drywell - Interior/X- 106B/728/97* X-106B	LOW VOLTAGE CONTROL	E-A	E1.11 E1.12	ΧI	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	ΧI	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	ΧI	GV		GV	NRI	9911014	3/23/2003		
Drywell - Interior/X- 12/710/176° X-12	RHR SHUTDOWN SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003		
Drywell - Interior/X- 13A/710/200° X-13A	RHR SHUTDOWN RETURN	E-A	E1.11	ΧI	GV		GV	NRI	9911014	3/23/2003		
Drywell - Interior/X- 13B/710/161* X-13B	RHR SHUTDOWN RETURN	E-A	E1.11	ΧI	GV ,	,	GV	NRI	9911014	3/23/2003		
Drywell - Interior/X- 14/750/302° X-14	REACTOR WATER CLEANUP SUPPLY	E-A	E1.11	ΧI	GV				<u>√</u> 7+17-7-		Inaccessible	
Drywell - Interior/X- 15/709/124° X-15	SPARE	E-A	E1.11 E1.12		GV		GV	NRI	9911014	3/23/2003		<u> </u>
Drywell - Interior/X- 16A/763/353* X-16A	CORE SPRAY	E-A	E1.12 E1.12	ΧI	GV						Inaccessible	

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ISI Identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Interior/X- 16B/763/6° X-16B	CORE SPRAY	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911017	3/27/2003	
									··		
Drywell - Interior/X- 17/710/247°	RPV HEAD SPRAY	E-A	E1.11	ΧI	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	ΧI	GV	, , <del>, , , , ,</del>	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	ΧI	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	ΧI	GV						Inaccessible
X-25			E1.12								
Drywell - Interior/X- 26/772/316°	DRYWELL PURGE RETURN	E-A	E1.11	ΧI	GV		GV	NRI	9911017	3/27/2003	
X-26			E1.12								
Dryweli - Interior/X- 27A/732/239°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-27A			E1.12								

Interval: 1 Period: 2 Outage: 11

ISI Identifier Line Number Section XI Inspection Required Code Actual Results Report Date **Inspection Comments** Description Cat. Item Reason Exam Coverage Exam Number Drywell - Interior/X-INSTRUMENTATION E-A E1.11 ΧI G۷ Inaccessible 27B/726/61° X-27B E1.12 Drywell - Interior/X-INSTRUMENTATION E-A E1.11 ΧI G۷ Inaccessible 28A/739/248° X-28A E1.12 Drywell - Interior/X-INSTRUMENTATION E-A E1.11 ΧI GV Inaccessible 28B/729/61° X-28B E1.12 Drywell - Interior/X-INSTRUMENTATION E-A ΧI G۷ E1.11 Inaccessible 29A/739/243° X-29A E1.12 INSTRUMENTATION Drywell - Interior/X-E-A ΧI G۷ E1.11 Inaccessible 29B/732/61° X-29B E1.12 Drywell - interior/X-INSTRUMENTATION E-A E1.11 ΧI G۷ Inaccessible 30A/710/322° X-30A E1.12 Drywell - Interior/X-SPARE E-A E1.11 ΧI **GV** GV NRI 9911014 3/23/2003 30B/704/132° X-30B E1.12 Drywell - Interior/X-INSTRUMENTATION E-A E1.11 Χŀ G۷ Inaccessible 31A/732/228° X-31A E1.12 Drywell - Interior/X-DCA SPARES E-A E1.11 ΧI G۷ Inaccessible 31B/726/162° X-31B E1.12 Dryweil - Interior/X-INSTRUMENTATION E-A E1.11 ΧI GV Inaccessible 32A/757/50° X-32A E1.12 Drywell - Interior/X-INSTRUMENTATION E-A E1.11 ΧI GV Inaccessible 32B/756/127° X-32B E1.12 Drywell - Interior/X-INSTRUMENTATION E-A ΧJ G۷ E1.11 Inaccessible 33A/708/327° X-33A E1.12

Unit 2

ISI identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Interior/X- 33B/704/125*	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911014	3/23/2003	
X-33B			E1.12				.,				
Drywell - Interior/X- 34A/704/154° X-34A	INSTRUMENTATION	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X- 34B/704/19°	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-34B			E1.12								
Drywell - Interior/X- 35A/717/50°	TIP DRIVES	E-A	E1.11	ΧI	GV						Inaccessible
X-35A			E1.12								
Drywell - Interior/X- 35B/717/48°	SPARE	E-A	E1.11	ΧI	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	ΧI	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	ΧI	GV						Inaccessible
X-35F			E1.12								
Drywell - Interior/X- 36/750/169°	SPARE	E-A	E1.11	ΧI	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	ΧI	GV		GV	NRI	9911015	3/24/2003	
X-37B			E1.12								

ISI Identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
37C/735/282°	CRD SUPPLY	E-A	E1.11	ΧI	GV		GV	NRI	9911015	3/24/2003	
X-37C			E1.12								
Drywell - Interior/X- 37D/735/78° X-37D	CRD SUPPLY	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/X- 38A/735/258°	CRD RETURN	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-38A			E1.12								
38B/735/102°	CRD RETURN	E-A	E1.11	ΧI	GV		GV	NRI	9911015	3/24/2003	
X-38B			E1.12								
38 <b>C/7</b> 35 <b>/282°</b>	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	ΧI	GV		GV	NRI	9911015	3/24/2003	
X-38D			E1.12								_
	CONTAINMENT SPRAY	E-A	E1.11	Χí	GV		GV	NRI	9911017	3/27/2003	
X-39A			E1.12								
	CONTAINMENT SPRAY	E-A	E1.11	ΧI	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	ΧI	GV						Inaccessible
X-3C			£1.12								
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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Interval: 1 Period: 2

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ISI Identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Interior/X- 40A/729/243°	JET PUMP INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-40A			E1.12								
Drywell - Interior/X- 40B/729/248° X-40B	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
			E1.12								
Drywell - Interior/X- 40C/735/243°	JET PUMP INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-40C			E1.12			_					
Drywell - Interior/X- 40D/732/243°	JET PUMP INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-40D			E1.12								
Drywell - Interior/X- 40E/729/77°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-40E			E1.12								
Drywell - Interior/X- 40F/729/73°	JET PUMP INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-40F			E1.12								
Drywell - Interior/X- 40G/729/69°	JET PUMP INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-40G			E1.12								
Drywell - Interior/X- 40H/729/65°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-40H			E1.12								
Drywell - Interior/X- 41/754/174°	INSTRUMENT GAS	E-A	E1.11	XI	GV	_	GV	NRI	9911017	3/27/2003	
X-41			E1.12			•					
Drywell - Interior/X- 42/750/179°	STAND BY LIQUID CONTROL	E-A	E1.11	ΧI	GV		GV	NRI	9911016	3/29/2003	
X-42			E1.12								
Drywell - Interior/X- 44/726/12°	SPARE	E-A	E1.11	ΧI	GV		GV	NRI	9911015	3/24/2003	
X-44			E1.12								
Drywell - Interior/X- 45/763/270°	SPARE	E-A	E1.11	ΧI	GV		GV	NRI	9911017	3/27/2003	
X-45			E1.12								
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Unit 2

ISI Identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Interior/X- 46/727/359*	SPARE	E-A	E1.11	ΧI	GV		GV	NRI	9911015	3/24/2003	
X-46			E1.12								
Drywell - Interior/X- 47/757/167° X-47	SPARE	E-A	E1.11 E1.12	ΧI	GV						Inaccessible
Drywell - Interior/X- 48A/704/157°	INSTRUMENTATION	E-A	E1.11	XI	GV	-	GV	NRI	9911014	3/23/2003	
X-48A			E1.12								
Drywell - Interior/X- 48B/732/65°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-48B			E1.12								
Drywell - Interior/X- 49A/704/327°	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-49A			E1.12								
Drywell - interior/X- 49B/704/44*	INSTRUMENTATION	E-A	E1.11	XI	GV	- ::					Inaccessible
X-49B			E1.12								
Dryweli - Interior/X- 5/724/239°	CRM SUPPLY AND RETURN	E-A	E1.11	XI	GV						Inaccessible
X-5			E1.12								
Drywell - Interior/X- 50A/704/215°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	Inspected (previously inaccessible)
X-50A			E1.12								
Drywell - Interior/X- 50B/704/142°	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GΛ	NRI	9911014	3/23/2003	
X-50B			E1.12								
Drywell - Interior/X- 51A/704/324°	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-51A			E1.12								
Drywell - Interior/X- 51B/704/145*	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911014	3/23/2003	
X-51B			E1.12								
Drywell - Interior/X- 52A/708/323°	INSTRUMENTATION	E-A	E1.11		GV						Inaccessible
X-52A			E1.12								
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Interval: 1
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Outage: 11

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ISI Identifier Description	Line Number	i .	tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments	
Drywell - Interior/X- 52B/704/137° X-52B	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911014	3/23/2003		
Drywell - Interior/X- 53/736/39° X-53	CHILLED WATER SUPPLY B	E-A	E1.11	ΧI	GV						Inaccessible	
Dryweli - Interior/X- 54/736/51°	CHILLED WATER RETURN B	E-A	E1.11	ΧI	GV						Inaccessible	
X-54  Drywell - Interior/X- 55/738/223°	CHILLED WATER SUPPLY A	E-A	E1.12	ΧI	GV						Inaccessible	
X-55  Drywell - Interior/X- 56/736/219°	CHILLED WATER RETURN A	E-A	E1.12	ΧI	GV	·····					Inaccessible	
X-56  Dryweli - Interior/X-	SPARE	E-A	E1.12	XI	GV					<del></del>	inaccessible	
57/755/169° X-57	OF ANE		E1.12								inaccessible	
Drywell - Interior/X- 58A/735/228° X-58A	INSTRUMENTATION	E-A	E1.11 E1.12	ΧI	GV						Inaccessible	
Drywell - Interior/X- 58B/735/65° X-58B	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible	
Dryweli - Interior/X- 59A775/54°	INSTRUMENTATION	E-A	E1.12	XI	GV						Inaccessible	
X-59A  Drywell - Interior/X-	INSTRUMENTATION	E-A	E1.12	XI	GV	· <u></u>					Inaccessible	
59B/775/131° X-59B	000 05140		E1.12	<u></u>								
Drywell - Interior/X-6 (CRD Hatch)/718/216° X-6	CRD REMOVAL HATCH	E-A	E1.11 E1.12		GV		GΛ	NRI	9911014	3/23/2003		
Drywell - Interior/X- 60A/726/294°	MINI PURGE LINE B	E-A	E1.11	XI	GV				<del></del> .		Inaccessible	

ISI Identifier	Line Number		tion XI	Inspection	Required		Actual	Results	Report	Date	Inspection Comments
Description		Cat.	Item	Reason	Exam	Coverage	Exam	<u></u> _	Number	<u> </u>	
Drywell - interior/X- 60B/735/61*	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-60B			E1.12								
Drywell - Interior/X- 61 A/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	ΧI	GV						Inaccessible
X-61B			E1.12								
Drywell - Interior/X- 62A/726/248°	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-62A			E1.12			<del></del>					
Drywell - Interior/X- 62B/726/69°	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-62B			E1.12								
Drywell - Interior/X- 63A/726/253°	INSTRUMENTATION	E-A	E1.11		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	ΧI	GV				9911015	3/24/2003	Inaccessible
X-64A			E1.12								
Drywell - Interior/X- 64B/726/77°	INSTRUMENTATION	E-A	E1.11	ΧI	GV				- 11-		Inaccessible
X-64B			E1.12								
Drywell - Interior/X- 65A/768/54°	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-65A			E1.12								
Drywell - Interior/X- 65B/768/131°	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-65B			E1.12	•							
Drywell - Interior/X- 66A/756/54°	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-66A			E1.12								
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Unit 2

Interval: 1 Period: 2

ISI Identifier Description	Line Number	Secti Cat.		Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Interior/X- 66B/756/131* X-66B	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X- 72A/704/229° X-72A	FLOOR AND EQUIPMENT DRAINS	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X- 72B/704/231° X-72B	FLOOR AND EQUIPMENT DRAINS	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X- 7A/740/0° +3 X-7A	MAIN STEAM	E-A	E1.11	ΧI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
Drywell - Interior/X- 7B/740/0° +11 X-7B	MAIN STEAM	E-A	E1.11	ΧI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
Drywell - Interior/X- 7C/740/0° -10 X-7C	MAIN STEAM	E-A	E1.11	ΧI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
Drywell - Interior/X- 7D/740/0° -3 X-7D	MAIN STEAM	E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
Drywell - Interior/X-8/731/0° X-8	MAIN STEAM LINE DRAIN	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X- 80A/726/159° X-80A	SPARE	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X- 80B/726/156°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-80B  Drywell - Interior/X- 80C/726/153*	H2/O2 ANALYZER	E-A	E1.12	ΧI	GV						Inaccessible
X-80C  Dryweil - Interior/X- 81A/756/66*	INSTRUMENTATION	E-A	E1.12	XI	GV					<del></del>	Inaccessible
X-81A			E1.12								

Unit 2

ISI Identifier	Line Number	Section Xi	Inspection	Required		Actual	Results	Report	Date	Inspection Comments
Description		Cat. Item	Reason	Exam	Coverage	Exam	1	Number	1	
Dryweli - Interior/X- 81B/756/123° X-81B	INSTRUMENTATION	E-A E1.11		GV	1				. <b>I</b>	Inaccessible
Drywell - Interior/X- 82A/756/62° X-82A	INSTRUMENTATION	E-A E1.11		GV						Inaccessible
Drywell - Interior/X- 82B/756/119° X-82B	INSTRUMENTATION	E-A E1.11		GV		and the same and an address of the same and an address of the same and an address of the same and an address of	-	· · · · · · · · · · · · · · · · · · ·		Inaccessible
Drywell - Interior/X- 83A/704/150° X-83A	INSTRUMENTATION	E-A E1.11		GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X- 83B/704/15° X-83B	INSTRUMENTATION	E-A E1.11		GV						Inaccessible
Drywell - Interior/X- 84A/756/58° X-84A	INSTRUMENTATION	E-A E1.11		GV						Inaccessible
Drywell - Interior/X- 84B/756/115° X-84B	INSTRUMENTATION	E-A E1.11	i XI	GV						Inaccessible
Drywell - Interior/X- 85A/736/318° X-85A	CHILLED WATER TO RECIRC PUMPS	E-A E1.11		GV						Inaccessible
Drywell - Interior/X- 85B/736/321* X-85B	CHILLED WATER TO RECIRC PUMPS	E-A E1.11		GV						Inaccessible
Drywell - Interior/X- 86A/735/114° X-86A	CHILLED WATER TO RECIRC PUMPS		l XI	GV		**************************************	,,			Inaccessible
Drywell - Interior/X- 86B/735/112° X-86B	CHILLED WATER TO RECIRC PUMPS		ı XI	GV		· · · · · · · · · · · · · · · · · · ·	<u> </u>			Inaccessible
Drywell - Interior/X- 87/734/46° X-87	INSTRUMENT GAS RETURN	E-A E1.11	ı XI	GV						Inaccessible
						_				

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ISI Identifier Description	Line Number		tion XI Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Interior/X- 88A/721/115° X-88A	DRYWELL N2 MAKEUP	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/X-	H2/O2 ANALYZER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
88B/721/294° X-88B		-/-	E1.12	<b>,,</b>			-		0011010	0/24/2000	
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	ΧI	GV		GV	NRI	9911014	3/23/2003	
X-90D			E1.12								
Drywell - Interior/X- 90E/711/137°	INSTRUMENTATION	E-A	E1.11	ΧI	GV		GV	NRI	9911014	3/23/2003	
X-90E			E1.12								
Drywell - Interior/X- 90F/711/133°	SPARE	E-A	E1.11	ΧI	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	ΧI	GV						Inaccessible
X-91B			E1.12								
Drywell - Interior/X- 92/735/57*	INSTRUMENTATION	E-A	E1.11	ΧI	GV						Inaccessible
X-92			E1.12								
Drywell - Interior/X- 93/717/37°	TIP PURGE	E-A	E1.11	ΧI	GV						Inaccessible
X-93			E1.12								

	1					I				1	Outage: 11
ISI Identifier	Line Number		ion XI	Inspection	Required		Actual	Results	Report	Date	Inspection Comments
Description	ļ	Cat.	Item	Reason	Exam	Coverage	Exam		Number		
Drywell - interior/X- 94/734/36° X-94	SPARE	E-A	E1.11 E1.12	ΧI	GV		GV	NRI	9911015	3/24/2003	Inaccessible
Drywell - interior/X- 9A/753/0° -3 X-9A	FEEDWATER	E-A	E1.11	XI	GV					- Notice.	Inaccessible
Drywell - Interior/X- 9B/753/0° +3 X-9B	FEEDWATER	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell Head/Head and Flange Exterior/794' Head and Flange Exterior		E-A	E1.11	XI	GV		GV	NRI	9911001	3/14/2003	
Drywell Head/Head and Flange Interior/794' Head and Flange Interior		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911001	3/14/2003	
Drywell Head/Head Flange Seal/794' Head Flange Seal		E-D	E5.10	XI	VT-3		VT-3	NRI	ISI-03-612	4/9/2003	
Drywell Head/Manhole Hatch Exterior (X-4) Manhole Hatch Exterior (X-4)		E-A	E1.11 E1.12	XI	GV	_	GV	NRI	9911002	3/15/2003	
Dryweil Head/Manhole Hatch Interior (X-4) Manhole Hatch Interior (X-4)		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911002	3/15/2003	
Equipment Hatch (X- 1)/Barrel Section Exterior Barrel Section Exterior		E-A	E1.11	XI	GV		GV	NRI	9911009	4/5/2003	
Equipment Hatch (X- 1)/Barrel Section Interior Barrel Section Interior		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911009	4/5/2003	
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								

Unit 2

ISI Identifier Description	Line Number	Section Cat.		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	ΧI	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 Botting/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	ΧI	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	ΧI	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 Boiting External Bulkhead Boiting		E-G	E8.10	ΧI	VT-1	,	VT-1	NRI	9911021	3/10/2003	
Personnel Access Airlock (X-2)/External Door Botting/723'/134° External Door Botting		E-G	E8.10	ΧI	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	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	XI	GV	***************************************	GV	NRI	9911006	3/24/2003	

Unit 2

Interval: 1 Period: 2

ISI Identifier	Line Number	Sect	on XI	Inspection	Required	Code	Actual	Results	Report	Date	Inspection Comments
Description	1	Cat.	Item	Reason	Exam	Coverage	Exam		Number		
Personnel Access Airlock (X-2)/inner Door Exterior/723'/134*	<u> </u>	E-A	E1.11	ΧI	GV		GV	NRI	9911004	3/24/2003	
Inner Door Exterior			E1.12								
Personnel Access Airlock (X-2)/Inner Door Interior/723'/134° Inner Door Interior	_	E-A	E1.11	ΧI	GV		GV	NRI	9911004	3/24/2003	
Personnel Access Airlock (X-2)/Internal Bulkhead Bolting Internal Bulkhead Bolting		E-G	E8.10	ΧI	VT-1		VT-1	NRI	9911021	3/10/2003	
Personnel Access Airlock (X-2)/Internal Door Bolting Internal Door Bolting		E-G	E8.10	ΧI	VT-1		VT-1	NRI	9911021	3/10/2003	
Personnel Access Airlock (X-2)/Outer Bulkhead Exterior (RB)		E-A	E1.11	ΧI	GV		GV	NRI	9911005	3/24/2003	
Outer Bulkhead Exterior (RB)	<u> </u>		E1.12								
Personnel Access Airlock (X-2)/Outer Bulkhead Interior (AL)		E-A	E1.11	ΧI	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	ΧI	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	ΧI	GV		GV	NRI	9911003	3/24/2003	
Outer Door Interior			E1.12								
Suppression Chamber - Exterior Concrete Surface/645 - 670/0° - 90° Concrete Surface		L-A	L1.11	XI	VT-3C	_	VT-3C	NRI	9911024	3/20/2003	Remote
Suppression Chamber - Exterior Concrete Surface/645 - 670/180° - 270° Concrete Surface		L-A	L1.11	ΧI	VT-3C		VT-3C	NRI	9911024	3/20/2003	

Unit 2

ISI Identifier Description	Line Number	I .	ion XI 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	ΧI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Suppression Chamber - Exterior Concrete Surface/645 - 670/90° - 180° Concrete Surface		L-A	L1.11	ΧI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Suppression Chamber - Exterior Concrete Surface/670 - 683/0° - 90° Concrete Surface		L-A	L1.11	ΧI	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	ΧI	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	ΧI	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	ΧI	VT-3C		VT-3C	NRI	9911024	3/20/2003	

Interval: 1 Period: 2

Unit 2

ISI Identifier Description	Line Number	Secti Cat.	ion XI Item	Inspection Reason	•	Code Coverage		Results	Report Number	Date	Inspection Comments
Suppression Chamber - Exterior Concrete Surface/683 - 704/90° - 180° Concrete Surface		L-A	L1.11	ΧI	VT-3C		VT-3C	NRI	9911024	3/20/2003	

# APPENDIX G CORRECTIONS