

INSERVICE INSPECTION

OUTAGE SUMMARY REPORT

Pennsylvania Power & Light Company
Two North Ninth Street
Allentown, PA 18101-1179

COVER PAGE

Susquehanna Steam Electric Station
P.O. Box 467
Berwick, PA 18603

UNIT 1-8TH REFUEL OUTAGE

COMPLETION DATE - July 14, 1995

COMMERCIAL SERVICE DATE - June 8, 1983

Docket # 50-387
Accession # 9508100123
Date 8/4/95 of Ltr
Regulatory Docket File

COPY
BOOK 1 OF 2

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PDR

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

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CHICAGO, ILLINOIS 60637

PHYSICS 309

LECTURE 1

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WINTER

PHYSICS 309

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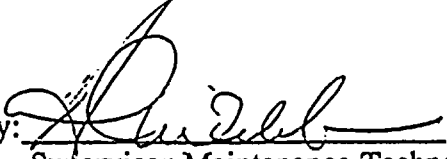
SUSQUEHANNA STEAM ELECTRIC STATION

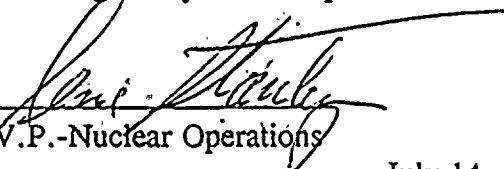
Pennsylvania Power and Light Company

UNIT 1 EIGHTH REFUELING AND INSPECTION OUTAGE

INSERVICE INSPECTION OUTAGE SUMMARY REPORT

Prepared By: 
Planning Analyst-NPE Oper

Reviewed By: 
Supervisor Maintenance Technology

Approved By: 
V.P.-Nuclear Operations

July 14, 1995

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TABLE OF CONTENTS

	PAGE
NIS-1 FORM	3
A. INTRODUCTION	5
B. PIPING AND COMPONENT EXAMINATIONS	6
C. REACTOR PRESSURE VESSEL INTERNAL EXAMINATIONS	8
D. REACTOR PRESSURE VESSEL EXTERNAL EXAMINATIONS	10
E. SYSTEM PRESSURE TESTS	13
F. MECHANICAL SNUBBER FUNCTIONAL TESTS	14
G. MECHANICAL SNUBBER VISUAL EXAMINATIONS	18
H. EROSION/CORROSION EXAMINATIONS	19
I. ASME REPAIRS AND REPLACEMENTS	22

APPENDICES

- A. CODE COMPLIANCE SUMMARY
- B. ASME SECTION XI AND AUGMENTED EXAMINATION DETAILED LISTING
- C. SNUBBER TESTING DETAILED LISTING
 - C.1 Snubber Functional Testing Listing
 - C.2 Snubber Visual Testing Listing
- D. ASME REPAIRS AND REPLACEMENTS NIS-2 Forms
 - D.1 Mechanical Maintenance NIS-2 Forms
 - D.2 Modification Installation Group NIS-2 Forms
 - D.3 Intentionally Left Blank
(Former E&S Construction NIS-2 Forms included in D.1 above)
 - D.4 Snubber Replacement NIS-2 Forms
- E. REACTOR PRESSURE VESSEL EXTERNAL EXAMINATIONS
- F. EROSION/CORROSION SCOPE OF EXAMINATIONS
- G. NUREG-0313 Category C Welds for MSIP

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner PENNSYLVANIA POWER AND LIGHT COMPANY
TWO NORTH 9th STREET, ALLENTOWN, PA 18101
(Name and Address of Owner)
2. Plant SUSQUEHANNA STEAM ELECTRIC STATION, RT. 11, BERWICK, PA 18603
(Name and Address of Plant)
3. Plant Unit ONE 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 6/8/83 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RHRSW	BECHTEL	0-16A	N/A	N/A
FPC	BECHTEL	0-35B	N/A	N/A
ESW	BECHTEL	0-54A,B	N/A	N/A
RHRSW	BECHTEL	1-16A	N/A	N/A
FPC	BECHTEL	1-35B	N/A	N/A
FEEDWATER	BECHTEL	1-45A	N/A	N/A
RHR	BECHTEL	1-49A,B,D,E,F,G	N/A	N/A
RCIC	BECHTEL	1-50B,C	N/A	N/A
CORE SPRAY	BECHTEL	1-51A	N/A	N/A
HPCI	BECHTEL	1-52A,B	N/A	N/A
SBLC	BECHTEL	1-53A	N/A	N/A
ESW	BECHTEL	1-54A	N/A	N/A
CRD	BECHTEL/NISCO	1-55B	N/A	N/A
RWCU	BECHTEL	1-61B	N/A	N/A
RPV	CB&I	B5023	B111230	3686
Nuclear Boiler	BECHTEL	1-62A	N/A	N/A

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 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.

FORM NIS-1 (back)

8. Examination Dates 1/22/94 to 5/16/95 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 7/21 19 95 Signed PP+8 [Signature] By [Signature]
Owner VP-NUCLEAR OPERATIONS

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

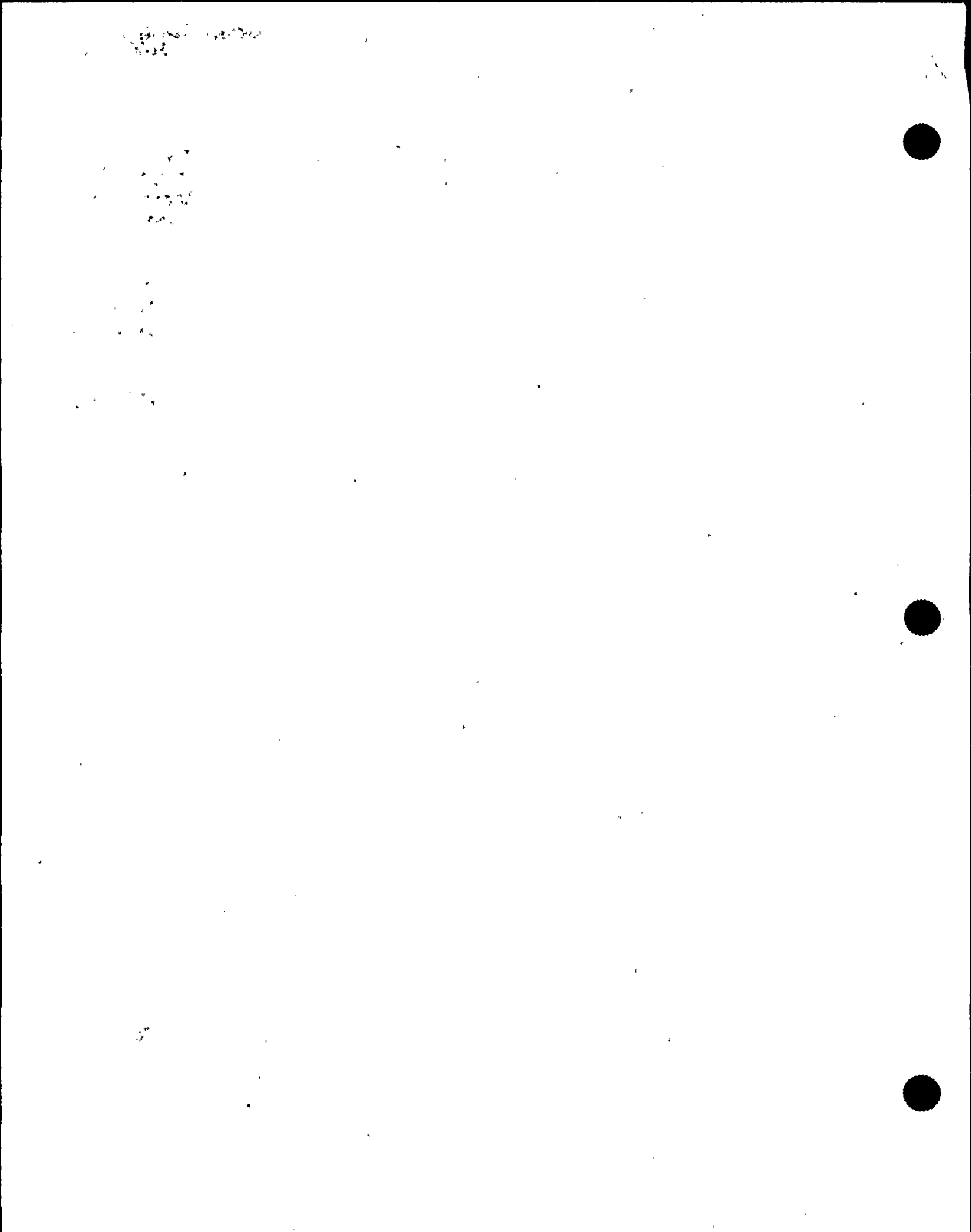
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by _____ of _____ have inspected the components described in this Owners' Data Report during the period 1/22/94 to 5/16/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data 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 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 11 19 95 FACTORY MUTUAL SYSTEM
[Signature] Commissions NB7866 PA. WC24619 AN11
Inspector's Signature National Board, State, Province and No.

* ARKWRIGHT MUTUAL INSURANCE COMPANY
225 WYMAN ST.
WALTHAM, MA 02154



A. INTRODUCTION

This report will document the Inservice Inspection (ISI), test, and repair/replacement activities associated with Susquehanna Steam Electric Station (SSES) Unit 1 for its Eighth fuel cycle. This timeline encompasses work performed from the time of breaker closure after the Unit 1 Seventh Refuel and Inspection Outage up to the time the breaker was closed following the Unit 1 Eighth Refuel and Inspection Outage.

1. SSES Unit 1 began commercial operation on June 8th 1983. The unit was shut down for its eighth refueling and inspection outage on March 25th 1995 at 0033 hours, ten months into the 1st Inspection Period of the Second Ten Year Interval. The refueling outage was completed on May 6, 1995 at 1709 (breaker closure).

2. The applicable year and addenda of the ASME Boiler and Pressure Vessel Code, Division 1, Section XI for SSES Unit 1 is the 1989 Edition. PP&L 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 st Period:	June 1, 1994 to June 1, 1997
2 nd Period:	June 2, 1997 to January 1, 2001
3 rd Period:	January 2, 2001 to June 1, 2004

3. This report is divided into the following sections:

- Piping and Components Examinations
- Reactor Pressure Vessel Internal Examinations
- Reactor Pressure Vessel External Examinations
- System Pressure Tests
- Snubber Functional Tests
- Snubber Visual Examinations
- Erosion/Corrosion Examinations
- ASME Repairs and Replacements

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

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

Delton E. Tillery
Charles Mellon

Arkwright Mutual Insurance Co.
225 Wyman Street
Waltham, Massachusetts

B. PIPING AND COMPONENTS EXAMINATIONS

1. Abstract of Examinations

The piping and component inspections were completed in accordance with ASME Section XI Articles IWB, IWC, IWD, and IWF-2000, Code Cases N-509 and N-524, and the Inservice Inspection Manual.

The NDE contractor for the Unit 1-8RIO was General Electric Co. of Huntersville, North Carolina. Two hundred and fourteen (214) 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.

Nineteen (19) NUREG-0313 Category C welds were Mechanically Stress Improved (MSIP) by AEA O'Donnell, Pittsburgh, PA. Each weld was volumetrically examined post-MSIP in accordance with NUREG-0313 and no IGSCC was found. (See paragraph 7 for those piping welds stress improved.)

2. Code Compliance Summary

Appendix A provides a list by Code Category and Item of all augmented and Section XI Class 1, 2, and 3 components. This summary identifies Unit 1-8RIO exam completion percentages in relation to the second interval program commitments.

3. Abstract of Conditions Noted

No Condition Reports were initiated during the Unit 1-8RIO against piping inspections. No service related failures were identified.

4. Incomplete Examinations

The following table lists eight (8) inspections where physical access to the entire component was limited.

COMPONENT	CODE CAT.	DESCRIPTION	SYSTEM	COVERAGE
VNBB211-FW-C4	AUG1	Elbow to Valve	MS/83	95.5%*
VNBB211-FW-D4	AUG1	Elbow to Valve	MS/83	95.5%*
VRRB311-1-A	AUG2	Pipe to Weldolet	RXR/64A	50.0%
VRRB311-2-B	AUG2	Pipe to Weldolet	RXR/64A	50.0%
VRRB311-FW-A5	AUG2/B-J	Elbow to Pump	RXR/64A	91.0%*
DBB1191-2A-A	AUG1	Weldolet to Pipe	FDWTR/45	50.0%
VRRB311-14-B	AUG2/B-J	Pipe to Weldolet	RXR/64A	67.0%
DCA1092-FW-2	AUG2/B-J	Valve to Flued Head	CS/51B	99.0%*

Note: * Examination where Reduction in examination may be accepted per Code Case N-460.

5. Applicable Code Cases

Three (3) ASME Code Cases were utilized for Piping Inspections during the Unit 1-8RIO;
 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

Since N-509 and N-524 cases have not yet been accepted by NRC Staff in Regulatory Guide 1.147, Rev. 11 (Code Case Acceptability) examinations of components in accordance with these Code Cases have been performed on a risk basis. ISI Program Credit for affected components will not be taken until N-509/N-524 are approved.

6. Successive Inspections

None in accordance with Section XI Paragraph IWB-2420(b).

7. Special Examinations

Four (4) piping RHR welds were mechanically stress improved during the Unit 1-8RIO. See following list:

<i>COMPONENT</i>	<i>DESCRIPTION</i>	<i>SIZE</i>	<i>SYSTEM</i>	<i>TYPE EXAM</i>	<i>RESULTS</i>
* DBB1071-1-B	Elbow to Pipe	24"	RHR/49A	Vol 45° Shear	Geometric
* DBB1072-1-A	Pipe to Elbow	24"	RHR/49B	Vol 45° Shear	Geometric
* DCA1101-FW-1	Pipe to Valve	24"	RHR/49A	Vol 45° Shear	Geometric
DCB1021-FW-1	Pipe to Valve	6"	RHR/49I	Vol 45° Shear	Geometric

* Automated (SMART 2000) Exams

All thirty-two (32) NUREG-0313 Category C welds scheduled for MSIP in Unit 1 have been completed and volumetrically inspected. No IGSCC has been found. See Appendix G for entire list.

C. REACTOR PRESSURE VESSEL INTERNAL EXAMINATIONS

1. Abstract of Examinations

The RPV Internal Visual Examinations were performed by General Electric (GE) personnel. GE interpreted the visual examinations real time from the Refueling Bridge. Videotapes records were also filmed as part of the visual examinations by GE. RPV Internal Ultrasonic Volumetric Examinations were both performed and interpreted by GE. One hundred seventy-nine (179) components were examined during the U1-8RIO.

Between the U1-4RIO and U1-5RIO, all invessel components were re-classified to more closely align with Code requirements. Components that were previously classified as B-N-1 or B-N-2 categories may now fall into new classifications. Even though the majority of components are non-Code, they are treated the same as Code components. Each Reactor Vessel component's classification is documented in PP&L Document ISI-T-118.0:

<u>CATEGORY</u>	<u>DESCRIPTION</u>
• 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).
• B-N-1	Reactor Vessel Interior (Code Inspection).
• B-N-2	Integrally welded core support structures and interior attachments to the reactor vessel (Code Inspection).

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

2. Code Compliance Summary

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

3. Abstract of Conditions Noted and Corrective Actions Taken

There were six (6) Condition Reports (CRs) generated against Invessel ISI Components. The conditions were corrected or evaluated as acceptable for continued service prior to returning the unit to service.

10/10/1949



NCR #	COMPONENT	CONDITION	DISPOSITION
95-0059	Steam Dryer	Dryer Cracking at patch under Seismic Support	Use-as-is
95-0064	Guide Rod and Vessel Clad Damage	Damage to guide rod and vessel cladding when Main Steam Line Plug Restraining Ring became caught in vessel	Use-as-is
95-0097	Shroud Cracking	Six of eight shroud welds were found by ultrasonic examination to be cracked	Use-as-is
95-0098	Dryer Support Ring Cracking	Additional cracking was found on the Dryer Support Ring	Use-as-is
95-116	Tie Wrap lost In vessel	A tie wrap was potentially lost in vessel in the area of the jet pumps	Use-as-is
95-0122	Shroud Head Bolt Cracking	Two (2) shroud head bolts were found by ultrasonic examinations to be cracked	Rework

4. Incomplete Examinations

There were no incomplete examinations during the U1-8RIO due to inaccessibility or scheduling interferences.

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 per IWB-2420(b) during the U1-8RIO.

7. Special Examinations

Core Shroud exams were performed in response to the BWR CORE SHROUD INSPECTION AND FLAW EVALUATION GUIDELINES, Gene-523-113-0894. The exams were performed ultrasonically using General Electric's O.D. Tracker tool. The tool found cracking in six (6) of the eight (8) horizontal welds. An evaluation of the cracking found the Unit was justified for continued operation for at least one additional cycle.

Inspections were performed on the fourteen (14) unclamped Jet pump instrument sensing line standoffs (upper and lower) to check for weld cracking. This inspection was scheduled because of the cracking found in Unit #2's instrument lines. No indications were found.

An inspection via underwater camera was performed of both Guide Rods and the Vessel Cladding near the upper end of the guide rods. The inspection was scheduled after the Main Steam Line Plug Restraining Ring became caught on both the 0° and 180° azimuth. Indications of physical contact between the restraining ring and the RPV flange/flange protector area and moisture separator guide support were observed and the condition was found to be Use-As-Is.

D. REACTOR PRESSURE VESSEL EXTERNAL EXAMINATIONS

1. Abstract of Examinations

The RPV External Examinations were conducted in accordance with IWB-2500-1 of ASME Section XI and ISI-T-106.0/206.0. Six (6) examinations were performed during the U1-8RIO. The NDE Contractor utilized was General Electric, Huntersville, NC. A detailed listing of the examinations performed are contained in Appendix E. The results of these examinations are imbedded in Appendix B under the applicable Code Categories.

2. Code Compliance Summary

ASME Section XI, Class 1 RPV components are included in a breakdown by Code Category and Item number in Appendix A. This summary includes percentages for the first period, which reflect exam completion up to the end of U1-8RIO, in relation to the Second Interval.

3. Abstract of Conditions Noted and Corrective Action Taken

No CR's were written against RPV External Exams this outage.

4. Incomplete Examinations

There were fourteen (14) examinations where access was limited due to configuration or physical obstructions. These exams will be submitted for relief except where noted. There is one component inspection deferred to next outage due to schedule limitations. The affected components are as follows:

Component	Description	Coverage
Recirc Nozzles N1A	Nozzle to Shell Course	61.7%
" " N2A		65.6%
" " N2F		65.4%
Vessel Seam AA	Automated and Manual Exams where possible	99% *
Feedwater Nozzles A	Inner Radius	96.2% *
" " D		
Feedwater Nozzle D	Nozzle Bore	96.7% *
Core Spray Nozzle A	Nozzle to Safe End	93.75% *
Feedwater Nozzle A	Nozzle to Shell Course Weld	62%
" " B		65.6%
" " C		64.3%
" " D		63%
" " E		65.6%
" " F		65.6%

*Denotes exam that will invoke full coverage per Code Case N-460. Exams in excess of 90% are acceptable per Code Case N-460 no relief is required.

5. Applicable Code Cases

There were no Code Cases used other than the previously mentioned N-460.

6. Successive Inspections

There were no successive inspections per IWB-2420(b) performed during the Unit 1-8RIO.

7. Special Examinations

Seven (7) Reactor Recirculation nozzles, six (6) Feedwater nozzles, and one (1) Core Spray nozzle were examined using General Electric's Automated "SMART" System:

COMPONENT	DESCRIPTION	SIZE	EXAM	RESULTS
* N1B NOZ-SE	Recirc Suction (CS to SS)	28"	45 Shear 45 & 60 RL	Geometric Indications
* N2B NOZ-SE * N2C NOZ-SE * N2D NOZ-SE * N2E NOZ-SE * N2G NOZ-SE * N2H NOZ-SE	Recirc Discharge (CS to SS)	12"	45 Shear 45 & 60 RL	Geometric Indications
N4A SE-NOZ N4B SE-NOZ N4C SE-NOZ N4D SE-NOZ N4E SE-NOZ N4F SE-NOZ	Feedwater (CS to CS)	12"	45 Shear	Geometric Indications
*N5A	Core Spray (SS to CS)	12"	45 Shear 45 & 60 RL	Geometric Indications

* These exams are post stress improvement (post-MSIP).

KEY: CS-Carbon Steel
 SS-Stainless Steel

These were seven (7) post-MSIP exams that were performed manually.

COMPONENT	DESCRIPTION	SIZE	EXAM	RESULTS
N5A SE-SEXT	Core Spray (Inc-SS)	12	45 Shear	NRI
N5B NOZ-SE	Core Spray (SS-CS)	12	45 Shear 45 & 60 RL	NRI
N5B SE-SEXT	Core Spray (Inc-SS)	12	45 Shear	NRI
N8A NOZ-SE	Jet Pump Instrumentation (CS-SS)	4	45 Shear 45 & 60 RL	NRI
N8A SE-PEN SEAL	Jet Pump Instrumentation (CS-SS)	4	45 Shear	NRI
N8B NOZ-SE	Jet Pump Instrumentation (CS-SS)	4	45 Shear 45 & 60 RL	NRI
N8B SE-PEN SEAL	Jet Pump Instrumentation (SS-SS)	4	45 Shear	NRI

KEY: CS-Carbon Steel
SS-Stainless Steel
Inc-Inconel

E. SYSTEM PRESSURE TESTS

1. Abstract of Tests Conducted

CLASS 1 PARTIAL PENETRATION WELDS IN VESSELS - CODE CAT. B-E

None

SYSTEM PRESSURE TESTS AND HYDROSTATIC TESTS

TEST BOUNDARY	CLASS	CODE CATEGORY	TEST PROCEDURE
CLASS 1 Boundary Leakage Test (Ref. Subsect. E.5 & 7)	1	B-P	SE-100-002
PERIODIC INSERVICE AND FUNCTIONAL LEAK TESTS			
FDW	2	C-H	SE-145-301
RCIC	2	C-H	SE-149-301
CORE SPRAY	2	C-H	SE-151-301
HPCI	2	C-H	SE-152-301
SBLC	2	C-H	SE-153-301
ESW	3	D-B	SE-054-301
INTERVAL HYDROSTATIC TESTS			
NONE	N/A	N/A	N/A

2. Code Compliance Summary

The above tests fulfill the periodic system pressure test requirements.

3. Abstract of Conditions Noted and Corrective Action Taken

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

4. Incomplete Examinations

There were no incomplete examinations during the U1-8RIO.

5. Applicable Code Cases

No Code Cases were used during this outage.

6. Successive Inspections

There were no successive inspections per IWB-2420(b) performed during the U1-8RIO.

7. Special Examinations

None

F. MECHANICAL SNUBBER FUNCTIONAL TESTS

1. Abstract of Examinations

A total of three hundred seventy-eight (378) plant installed and forty (40) spare mechanical snubbers were functionally tested. All snubbers were manufactured by Pacific Scientific. The contractor utilized was Wyle Testing. The snubbers were selected and tested in accordance with Susquehanna Steam Electric Station Technical Specification 3/4.7.4, Snubbers. PR&L previously submitted relief request RR-3 requesting specific relief from the requirements of IWF-5000 in ASME Section XI. This relief request is contained in document ISI-T-106.0/206.0, Inservice Inspection Program Plan Second Ten Year Inspection Interval.

2. Code Compliance Summary

Per relief request RR-3, the functional testing of snubbers was conducted in accordance with the Plant Technical Specification 3/4.7.4. The requirements of this specification were satisfied.

3. Abstract of Conditions Noted and Corrective Actions Taken

- a. The testing options allowed by Unit 1 Technical Specifications resulted in snubbers being classified into one group for testing. This consisted of:

Size 1/4	Amount in Initial Sample	18
Size 1/2	Amount in Initial Sample	11
Size 1	Amount in Initial Sample	9
Size 3	Amount in Initial Sample	11
Size 10	Amount in Initial Sample	12
Size 35	Amount in Initial Sample	38
Size 100	Amount in Initial Sample	4
Comp Struts		2
Amount in Initial Sample		105
TOTAL:		105

Testing of non-Technical Specification Snubbers occurred on a 10% basis.

Size 1	Amount in Initial Sample	1
Size 3	Amount in Initial Sample	2
Size 10	Amount in Initial Sample	2
Size 35	Amount in Initial Sample	2
TOTAL:		7

- b. The following results were achieved during the testing:

Size	Total	# Plant Tested	#Failed	# Spares Tested
1/4	82	57	6	11
1/2	50	35	3	6
1	54	37	2	5
3	71	39	3	5
10	82	51	4	3
35	205	137	3	6
100	24	17	1	4
0.1	6	4	0	0
0.1	<u>5</u>	<u>1</u>	<u>0</u>	<u>0</u>
Tot	579	378	22	40

- c. The snubbers that failed testing were repaired or replaced. In either case, the snubbers (repaired or replaced) were successfully tested prior to their installation.

An engineering evaluation was performed on the piping system for all failed snubbers at their locations. The evaluation concluded that all supported components and piping systems were still capable of meeting their intended design function and service requirements.

- d. A reduction of two (2) snubbers occurred this outage due to Modifications. This makes a total of five hundred seventy-seven (577) installed snubbers.

4. Detailed Listing

- a. Procedure utilized: MT-AD-595 Rev 2.
- b. Snubbers tested: See tables Unit 1-8RIO Functional Testing Plan and Snubber Functional Testing Summary for a list of the Category, size, number tested, and number of failures.
- c. The Functional Test Tracking Report lists snubbers that were tested, replaced, or not replaced due to the snubber reduction program (See Appendix C.1).
- d. The NIS-2 Forms for repairs/replacements are listed in Appendix D.4

UNIT 1 - 8RIO FUNCTIONAL TESTING PLAN

SIZE	POP.	INITIAL SAMPLE	FAIL	1ST RETST	1ST FAIL	2ND RETST	2ND FAIL
1/4	82	18	4	26	1	5	0
1/2	50	11	0	11	1	1	0
1	45	9	1	17	0	2	0
3	52	11	1	9	0	4	0
10	61	12	3	10	0	13	0
35	184	38	1	44	0	6	0
100	24	4	1	1	0	3	0
C.S.	11	2	0	0	0	0	0
Non Tech Spec	70	7	1	1	0	N/A	N/A

UNIT 1-8RIO
 SNUBBER FUNCTIONAL TESTING SUMMARY

Note: Failure Quantities Shown in ()

SIZE	SCHEDULED TESTS					ADDITIONAL TESTS				TOTAL
	TECH SPEC (Initial Sample)	NON-TECH SPEC (Initial Sample)	PREVIOUS FAILURES	REQUIRED	SUB-TOTAL	TECH SPEC EXPANDED	NON-TECH SPEC EXPANDED	ADDITIONAL	SUB-TOTAL	
PSA - 1/4	18 (4)	-- (0)	-- (0)	1 (1)	19 (5)	31 (1)	-- (0)	7 (0)	38 (1)	57 (6)
PSA - 1/2	11 (0)	-- (0)	1 (0)	1 (0)	13 (0)	12 (1)	-- (0)	10 (2)	22 (3)	35 (3)
PSA - 1	9 (1)	1 (1)	1 (0)	1 (0)	12 (2)	19 (0)	1 (0)	5 (0)	25 (0)	37 (2)
PSA - 3	11 (1)	2 (0)	2 (1)	1 (0)	16 (2)	13 (0)	-- (0)	10 (1)	23 (1)	39 (3)
PSA - 10	12 (3)	2 (0)	2 (0)	3 (0)	19 (3)	23 (0)	-- (0)	9 (1)	32 (1)	51 (4)
PSA - 35	38 (1)	2 (0)	4 (0)	9 (0)	53 (1)	50 (0)	-- (0)	34 (2)	84 (2)	137 (3)
PSA - 100	4 (1)	-- (0)	1 (0)	6 (0)	11 (1)	4 (0)	-- (0)	2 (0)	6 (0)	17 (1)
PSB - .05	1 (0)	-- (0)	-- (0)	1 (0)	-- (0)	-- (0)	-- (0)	3 (0)	3 (0)	4 (0)
PSB - .12	1 (0)	-- (0)	-- (0)	-- (0)	1 (0)	-- (0)	-- (0)	-- (0)	-- (0)	1 (0)
TOTALS:	105 (11)	7 (1)	11 (1)	22 (1)	145 (14)	152 (2)	1 (0)	80 (6)	233 (8)	378 (22)

G. MECHANICAL SNUBBER VISUAL EXAMINATIONS

1. Abstract of Examinations

No visual examinations were performed during the Unit 1-8RIO. The next visual examinations are scheduled for the Unit 1-9RIO.

2. Code Compliance Summary

Not applicable.

3. Abstract of Conditions Noted and Corrective Actions Taken

Not applicable.

4. Incomplete Examinations

Not applicable.

5. Applicable Code Cases

Not applicable.

6. Successive Inspections

Not applicable.

7. Special Examinations

Not applicable.

H. EROSION/CORROSION EXAMINATIONS

1. Abstract of Examinations

General Electric performed non-Code erosion/corrosion wall thickness examinations during the U1-8RIO. Scope of work was provided by PP&L Specification M-1414, Rev 7. A total of one hundred sixty-eight (168) components were examined (see Appendix F of this report), which comprised of two hundred twelve (212) exams. The disparity between components and exam numbers is due to certain Tees and Reducers which require two exams.

2. Code Compliance Summary

Not applicable. Erosion/Corrosion exams are not part of ASME Section XI. However, a list of inspected components and erosion rates is attached as Appendix F of this report.

3. Abstract of Conditions Noted and Corrective Actions Taken

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

GROUP	DESCRIPTION (%EROSION)	COMPONENTS
1	0% to 20% Erosion	46
2	21% to 30% Erosion	37
3	31% to 50% Erosion	51
4	51% to 99% Erosion	24
5	Erosion ≥ 100% Erosion	10

For percent erosion is:

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

In addition to the one hundred sixty-eight (168) components inspected nineteen (19) third stage and twenty-five (25) fourth stage extraction steam components were replaced, four (4) 1st stage extraction steam components were repaired and seventeen (17) 1st stage extraction steam were recommended for replacement for the Unit 1-9RIO. A summary of all erosion/corrosion inspections and engineering evaluations follows:

UNIT 1-8RIO PIPE REPAIRS

COMPONENT #	LINE/ SIZE	SYSTEM	COMPONENT #	LINE/ SIZE	SYSTEM
HBD10711-E4	24	1st Extraction Steam	HBD10712-E4	24	1st Extraction Steam
HBD1077-E4	24	1st Extraction Steam	HBD10712-E2	24	1st Extraction Steam

UNIT 1-8RIO-GREATER THAN 50% EROSION

COMP#	LINE SIZE	SYSTEM	ERO %	COMMENTS
GAD1011-E1	10	MSEPD	81.8% Z1, 88.8% Z2	Inspect U1-9RIO
GBD1032-E1A	8x6	FWHD	61.68% Z1	Inspect U1-9RIO
GBD1022-E1	4	EXT. STM	56.96% Z1	Inspect U1-9RIO
GBD1021-E2	4	EXT. STM	72.15% Z1	Inspect U1-9RIO
GBD1022-E2	4	EXT. STM.	77.21% Z1	Inspect U1-9RIO
GBD1182-E1	20	FW	57.19% Z1	Inspect U1-9RIO
SPHBD30234-E3	1.5	AUX BLR	53.73% Z3	Inspect U1-9RIO
SPGBD1254-E1	1	MCPR	73.80% Z1	Reinspect U1-8RIO
GBD1252-E1B	4x1	MCPR	47.6% Z3	Inspect U1-9RIO
SPHBD30234-E2	1.5	AUX BOILER	47.76% Z1, 46.26% Z3	Inspect U1-9RIO
SPHBD302310-E1	1.5	AUX BOILER	113.43% Z1, 77.61% Z3	Replace prior to U1-9RIO
HBD1072-E1	24	1ST EXT. STM	63.2% Z1	Inspect U1-9RIO
HBD1074-E4	24	1ST EXT. STM	102.4% Z1	Replace U1-9RIO
HBD1073-E4	24	1ST EXT. STM	100% Z1	Replace U1-9RIO
HBD1072-E3	24	1ST EXT. STM	118.4% Z3	Replace U1-9RIO
HBD1073-E3	24	1ST EXT. STM	72.0% Z1, 98.4% Z3	Replace U1-9RIO
HBD1074-E3	24	1ST EXT. STM	77.6% Z3	Inspect U1-9RIO
HBD1076-E3	24	1ST EXT. STM	70.40% Z3	Inspect U1-9RIO
HBD1078-E2	24	1ST EXT. STM	57.6% Z1	Inspect U1-9RIO
SPHBD1108-E2	2	EXT. STM	89.04% Z1	Replace U1-9RIO
HBD1076-E1	24	1ST EXT. STM	73.60% Z1, 73.60% Z3	Inspect U1-9RIO
HBD1075-E1	24	1ST EXT. STM	76.0%Z1, 104.8%Z3	Replace U1-9RIO
HBD1077-E3	24	1ST EXT. STM	69.60 Z3	Inspect U1-9RIO
HBD10712-E2	24	1ST EXT. STM	167.2% Z1	Repair U1-8RIO Replace U1-9RIO
HBD1079-E1	24	1ST EXT. STM	120.0% Z1, 90.4% Z3	Replace U1-9RIO
HBD10711-E4	24	1ST EXT. STM	116.8% Z1, 190.4% Z3	Repair U1-8RIO Replace U1-9RIO
HBD10712-E4	24	1ST EXT. STM	168.0% Z3	Repair U1-8RIO Replace U1-9RIO
HBD1075-E3	24	1ST EXT. STM	57.6% Z1	Inspect U1-9RIO
HBD1077-E4	24	1ST EXT. STM	100.0% Z1 204.8% Z3	Repair U1-8RIO Replace U1-9RIO
HBD1078-E4	24	1ST EXT. STM	112.8% Z1	Replace U1-9RIO
HBD1071-E3	24	1ST EXT. STM	90.4% Z3	Replace U1-9RIO
HBD10711-E3	24	1ST EXT. STM	98.4% Z3	Replace U1-9RIO
HBD10711-E2	24	1ST EXT. STM	88.80% Z1	Replace U1-9RIO
SPGBD1254-E1	1	MCPR	69.04% Z3	Inspect U1-9RIO
GBD1261-E1	8	CDEM	57.94% Z1	Inspect U1-9RIO

4. Incomplete Examinations

There were incomplete examinations identified on each individual data package. These incomplete examinations were due to physical interferences (instrument taps, clamps, etc.).

5. Applicable Code Cases

Not applicable. Erosion/Corrosion exams are not part of ASME Section XI.

6. Successive Inspections

Scheduling of successive inspections will be evaluated by Nuclear System Engineering in accordance with erosion rates identified in Specification M-1414. There were thirty-five (35) components inspected having greater than 50.1% erosion. These components are tentatively scheduled to be examined during the U1-9RIO.

7. Summary

Appendix F provides a detailed description, location, and erosion rate of all components examined during U1-8RIO.

In addition to the U1-8RIO Erosion/Corrosion inspection scope a number of inspection locations were replaced with stainless clad components. There were nineteen (19) 3rd extraction steam locations, and twenty-five (25) 4th extraction steam locations.

Of the one hundred sixty-eight (168) components examined during the U1-8RIO, one (1) 42" Crossaround component was given a VT-1 exam by accessing the pipe through a manway. Component was found to be in excellent condition.

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 (DCPs) and Work Authorizations (WAs). The scope of work addressed encompasses the period from the end of the U1-7RIO (breaker close) to the end of the U1-8RIO (breaker close).

2. Code Compliance Summary

All work on ASME Section XI items meet the requirements of IWA-4000 (Repairs) and IWA-7000 (Replacements) of Section XI.

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

4. The Modifications Installation Group (MIG) is responsible for performing Design Changes in accordance with ASME XI under Work Authorizations (WAs). The detailed listing of work performed is summarized in Appendix D.2 along with the NIS-2 Forms.

5. E&S Construction formally conducted repairs delegated to them by Mechanical Maintenance. The E&S Construction Group has been dissolved and these repairs are now included in number 3 above.

6. The ISI Group generates NIS-2 Forms to document the replacement snubbers to functional test failures. The detailed listing of the effected snubbers is in Appendix C. Appendix D.4 contains the NIS-2 Forms.

CODE COMPLIANCE SUMMARY

1

SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT
 (ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
AUG1	AUG1	X-EOI	169	26	26	15.38
		X-1P	5	4	4	80.00
		X-2P	4	0	0	.00
		X-3P	3	0	0	.00
AUG2	AUG2	X-1P	1	0	0	.00
		X-3P	2	0	0	.00
	CAT-B	X-1P	18	15	15	83.33
		X-2P	15	0	0	.00
		X-3P	22	0	0	.00
	CAT-C	X-10RIO	18	0	0	.00
		X-12RIO	3	0	0	.00
		X-2P	12	0	0	.00
		X-3P	12	0	0	.00
		X-8RIO	19	19	19	100.00
		X-9RIO	14	0	0	.00
AUG3	AUG3	X-10RIO	18	0	0	.00
		X-11RIO	145	0	0	.00
		X-12RIO	18	0	0	.00
		X-8RIO	18	18	18	100.00
		X-9RIO	12	0	0	.00

REPORT DATE: 07/18/95

SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT

(ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
AUG5	AUG5	PSI	20	20	0	.00
		X-13RIO	20	0	0	.00
AUG6	AUG6	X-EOI	94	14	0	.00
		X-OWA	1	0	0	.00
		X-RE	350	50	50	14.29
		X-RO	270	15	15	5.56
		X-11RIO	12	0	0	.00
AUG7	AUG7	X-RE	336	48	48	14.29
		X-RO	39	0	0	.00
AUG8	AUG8	X-11RIO	8	0	0	.00
		X-13RIO	8	0	0	.00
		X-9RIO	8	0	0	.00
B-A	B1.11	X-10RIO	4	0	0	.00
		X-12RIO	4	0	0	.00
		X-8RIO	2	2	2	100.00
	B1.12	X-10RIO	3	0	0	.00
		X-12RIO	7	0	0	.00
		X-8RIO	2	2	2	100.00
		X-9RIO	1	0	0	.00
	B1.21	X-10RIO	1	0	0	.00

REPORT DATE: 07/18/95

SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT
 (ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
B-A	B1.21	X-11RIO	1	0	0	.00
		X-13RIO	1	0	0	.00
		X-9RIO	1	0	0	.00
	B1.22	X-11RIO	12	0	0	.00
		X-9RIO	2	0	0	.00
	B1.30	X-10RIO	1	0	0	.00
		X-12RIO	1	0	0	.00
		X-8RIO	1	1	0	.00
	B1.40	X-11RIO	2	0	0	.00
		X-13RIO	2	0	0	.00
		X-9RIO	2	0	0	.00
B-D	B3.100	X-10RIO	11	0	0	.00
		X-11RIO	1	0	0	.00
		X-12RIO	5	0	0	.00
		X-13RIO	3	0	0	.00
		X-8RIO	3	3	3	100.00
		X-9RIO	1	0	0	.00
	B3.90	X-10RIO	11	0	0	.00
		X-11RIO	1	0	0	.00
		X-12RIO	5	0	0	.00

REPORT DATE: 07/18/95

SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT

(ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
B-D	B3.90	X-13RIO	3	0	0	.00
		X-8RIO	9	9	9	100.00
		X-9RIO	1	0	0	.00
B-E	B4.11	X-HYDRO	1	0	0	.00
	B4.12	X-HYDRO	46	0	0	.00
	B4.13	X-HYDRO	15	0	0	.00
B-F	B5.10	X-10RIO	9	0	0	.00
		X-12RIO	3	0	0	.00
		X-9RIO	5	0	0	.00
B-G-1	B6.10	X-11RIO	25	0	0	.00
		X-12RIO	26	0	0	.00
		X-9RIO	25	0	0	.00
	B6.180	X-3P	16	0	0	.00
	B6.190	X-D	32	0	0	.00
	B6.20	X-11RIO	25	0	0	.00
		X-12RIO	26	0	0	.00
		X-9RIO	25	0	0	.00
	B6.200	X-3P	16	0	0	.00
	B6.30	X-D	152	0	0	.00
	B6.40	X-D	76	0	0	.00

REPORT DATE: 07/18/95

SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT
 (ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
B-G-1	B6.50	X-11RIO	25	0	0	.00
		X-12RIO	26	0	0	.00
		X-9RIO	25	0	0	.00
B-G-2	B7.10	X-13RIO	3	0	0	.00
	B7.50	X-1P	8	3	3	37.50
		X-2P	10	0	0	.00
		X-3P	5	0	0	.00
	B7.70	X-1P	3	1	1	33.33
		X-2P	1	0	0	.00
		X-3P	3	0	0	.00
	B7.80	X-D	186	20	20	10.75
B-J	B9.11	X-1P	74	57	57	77.03
		X-10RIO	4	0	0	.00
		X-12RIO	8	0	0	.00
		X-13RIO	4	0	0	.00
		X-2P	58	0	0	.00
		X-3P	51	0	0	.00
		X-8RIO	6	6	6	100.00
		X-9RIO	2	0	0	.00
	B9.12	X-1P	40	39	0	.00

REPORT DATE: 07/18/95

SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT
 (ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
B-J	B9.12	X-2P	10	0	0	.00
		X-3P	10	0	0	.00
	B9.21	X-2P	1	0	0	.00
		X-3P	2	0	0	.00
	B9.31	X-1P	14	0	0	.00
		X-2P	30	0	0	.00
		X-3P	11	0	0	.00
	B9.40	X-1P	3	3	3	100.00
		X-3P	9	0	0	.00
B-K	B10.10	X-11RIO	1	0	0	.00
		X-13RIO	1	0	0	.00
		X-9RIO	1	0	0	.00
	B10.20	X-3P	4	0	0	.00
	B10.30	X-1P	1	1	1	100.00
B-L-2	B12.20	X-D	2	0	0	.00
B-M-2	B12.50	X-D	57	2	2	3.51
B-N-1	B13.10	X-1P	10	10	10	100.00
		X-2P	10	0	0	.00
		X-3P	10	0	0	.00
B-N-2	B13.20	X-E0I	23	1	1	4.35

REPORT DATE: 07/18/95



SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT
 (ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
B-N-2	B13.30	X-EOI	33	12	11	33.33
		X-OWA	14	0	0	.00
		X-RO	12	4	4	33.33
	B13.40	X-EOI	13	3	3	23.08
		X-OWA	397	0	0	.00
		X-10RIO	3	0	0	.00
		X-11RIO	3	0	0	.00
		X-12RIO	3	0	0	.00
		X-13RIO	3	0	0	.00
		X-14RIO	3	0	0	.00
		X-8RIO	2	2	2	100.00
		X-9RIO	3	0	0	.00
B-O	B14.10	X-13RIO	8	0	0	.00
C-A	C1.10	X-2P	1	0	0	.00
	C1.20	X-3P	1	0	0	.00
C-B	C2.21	X-2P	2	0	0	.00
		X-3P	2	0	0	.00
	C2.22	X-2P	1	0	0	.00
		X-3P	1	0	0	.00
C-C	C3.10	X-2P	4	0	0	.00

REPORT DATE: 07/18/95

SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT

(ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
C-C	C3.20	X-1P	4	0	0	.00
		X-3P	19	0	0	.00
C-F-1	C5.11	X-1P	5	2	2	40.00
		X-2P	5	0	0	.00
		X-3P	5	0	0	.00
	C5.12	X-2P	4	0	0	.00
C-F-2	C5.51	X-1P	42	11	11	26.19
		X-2P	51	0	0	.00
		X-3P	58	0	0	.00
	C5.81	X-1P	2	1	1	50.00
		X-2P	2	0	0	.00
C-G	C6.10	X-D	18	0	0	.00
		X-1P	4	2	2	50.00
		X-2P	5	0	0	.00
		X-3P	6	0	0	.00
D-A	D1.20	X-1P	4	3	0	.00
		X-2P	4	0	0	.00
		X-3P	5	0	0	.00
F-A	F1.10A	X-1P	3	1	1	33.33
		X-2P	1	0	0	.00

REPORT DATE: 07/18/95

SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT
 (ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
F-A	F1.10A	X-3P	1	0	0	.00
	F1.10R	X-1P	3	2	2	66.67
		X-2P	5	0	0	.00
		X-3P	3	0	0	.00
	F1.10S	X-1P	16	10	10	62.50
		X-2P	17	0	0	.00
		X-3P	18	0	0	.00
	F1.20A	X-1P	1	1	1	100.00
		X-2P	2	0	0	.00
		X-3P	1	0	0	.00
	F1.20R	X-1P	16	5	5	31.25
		X-2P	12	0	0	.00
		X-3P	13	0	0	.00
	F1.20S	X-1P	12	2	2	16.67
		X-2P	15	0	0	.00
		X-3P	15	0	0	.00
	F1.30A	X-1P	1	0	0	.00
		X-2P	3	0	0	.00
		X-3P	2	0	0	.00
	F1.30R	X-1P	15	6	6	40.00

REPORT DATE: 07/18/95

SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1
 SECOND INTERVAL, FIRST REFUEL AND INSPECTION OUTAGE
 CODE COMPLIANCE REPORT
 (ASME SECTION XI APPENDIX B.1 - SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	2ND INTERVAL EXAMS	1ST RIO SCHED	1ST RIO PROGRAM CREDIT	% 1ST RIO OVER 2ND INT
F-A	F1.30R	X-2P	15	0	0	.00
		X-3P	14	0	0	.00
	F1.30S	X-1P	6	5	5	83.33
		X-2P	3	0	0	.00
		X-3P	8	0	0	.00
	F1.40	X-1P	11	10	10	90.91
		X-11RIO	6	0	0	.00
		X-12RIO	3	0	0	.00
		X-2P	3	0	0	.00
		X-3P	5	0	0	.00
TOTAL			4074	471	393	*****

REPORT DATE: 07/18/95

**ASME SECTION XI AND AUGMENTED
EXAMINATION DETAILED LISTING**

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG1 ITEM: AUG1

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP -----	SYSTEM NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION RESOLUTION -----
DBB1191-FW-1 VOL	T-P	ISI-DBB-119-1	P-73	FW	455001	04/06/95	Y	NRI
DBB1191-FW-2 VOL	V-P	ISI-DBB-119-1	P-73	FW	455002	04/10/95	Y	NRI
DBB1191-FW-3 VOL	P-V	ISI-DBB-119-1	P-73	FW	455003	04/24/95	Y	NRI
DBB1191-2A-A VOL	WOL-P	ISI-DBB-119-1	P-73	FW	455004	04/17/95	Y	NRI
DBB1191-2A-B VOL	P-T	ISI-DBB-119-1	P-73	FW	455005	04/06/95	Y	NRI
DBB1191-2A-E VOL	E-P	ISI-DBB-119-1	P-40	HPCI	525001	04/06/95	Y	NRI
SPDBA1141-FW-12 SUR	P-V	ISI-SPDBA-114-1		MS	835001	04/14/95	Y	NRI
SPDBA1141-FW-13 SUR	P-T	ISI-SPDBA-114-1		MS	835002	04/03/95	Y	NRI
SPDBA1141-FW-14 SUR	T-RED	ISI-SPDBA-114-1		MS	835003	04/03/95	Y	NRI
SPDBA1141-FW-15 SUR	T-P	ISI-SPDBA-114-1		MS	835004	04/03/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG1 ITEM: AUG1

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
SPDBA1141-FW-18 VOL	P-E	ISI-SPDBA-114-1	P-1	MS	835005	04/04/95	Y	NRI
SPDBA1141-FW-21 SUR	P-T	ISI-SPDBA-114-1		MS	835006	04/14/95	Y	NRI
SPDBA1141-FW-22 VOL	P-E	ISI-SPDBA-114-1	P-1	MS	835007	04/06/95	Y	NRI
SPDBA1141-FW-23 VOL	P-E	ISI-SPDBA-114-1	P-1	MS	835008	04/04/95	Y	NRI
SPDBA1141-FW-24 VOL	E-P	ISI-SPDBA-114-1	P-1	MS	834009	04/10/95	Y	NRI
SPDBA1141-FW-25 VOL	P-P	ISI-SPDBA-114-1	P-1	MS	835010	04/06/95	Y	NRI
SPDBA1141-FW-6 SUR	T-P	ISI-SPDBA-114-1		MS	835011	04/03/95	Y	NRI
SPDBA1141-FW-7 SUR	T-RED	ISI-SPDBA-114-1		MS	835012	04/03/95	Y	NRI
VNBB211-FW-C4 VOL	E-V	ISI-VNB-B21-1	P-77	MS	835013	04/26/95	Y	NRI
VNBB211-FW-C5 VOL	V-FH	ISI-VNB-B21-1	P-78	MS	835014	04/24/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG1 ITEM: AUG1

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
VNBB211-FW-C6 VOL	FH-V	ISI-VNB-B21-1	P-78	MS	835015	04/21/95	Y	NRI
VNBB211-FW-D4 VOL	E-V	ISI-VNB-B21-1	P-77	MS	835016	04/26/95	Y	NRI
VNBB211-FW-D5 VOL	V-FH	ISI-VNB-B21-1	P-78	MS	835017	04/26/95	Y	NRI
VNBB212-FW-A6 VOL	FH-V	ISI-VNB-B21-2	P-78	MS	835018	04/03/95	Y	NRI
DBA1051-FW-4 VOL	P-V	ISI-DBA-105-1	P-4	RCIC	505001	04/17/95	Y	NRI
DBA1051-FW-5 VOL	V-P	ISI-DBA-105-1	P-4	RCIC	505002	04/17/95	Y	NRI
DBA1051-FW-6 VOL	P-PEN	ISI-DBA-105-1	P-4	RCIC	505003	04/17/95	Y	NRI
DBA1051-FW-8 VOL	FH-V	ISI-DBA-105-1	P-6	RCIC	505004	04/24/95	Y	ROOT GEOMETRY ACCEPT
DBA1051-3-B VOL	E-P	ISI-DBA-105-1	P-4	RCIC	505005	04/17/95	Y	NRI
DBA1051-4-B VOL	P-E	ISI-DBA-105-1	P-4	RCIC	505006	04/19/95	Y	INCLUSION VERIFIED BY RT

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO -----	CAL BLOCK ----- LOOP	SYSTEM ----- NCR NO	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
DCA1092-FW-2 VOL	V-FH	ISI-DCA-109-2	P-36 B	CS	515001	02/08/95	Y	NRI
DCA1081-FW-3 VOL	V-E	ISI-DCA-108-1	P-56	RHR	495002	04/17/95	Y	NRI
DCA1081-FW-4 VOL	P-V	ISI-DCA-108-1	P-56	RHR	495003	04/17/95	Y	NRI
DCA1081-FW-5 VOL	V-P	ISI-DCA-108-1	P-56	RHR	495004	04/18/95	Y	NRI
DCA1081-2-A VOL	E-P	ISI-DCA-108-1	P-56	RHR	495005	04/17/95	Y	NRI
DCA1081-3-A VOL	P-E	ISI-DCA-108-1	P-56	RHR	495006	04/17/95	Y	NRI
VRRB311-FW-A20 VOL	WOL-P	ISI-VRR-B31-1	P-5	RR	645001	04/19/95	Y	NRI
VRRB311-FW-A3 VOL	E-V	ISI-VRR-B31-1	P-79	RR	645002	04/10/95	Y	NRI
VRRB311-FW-A4 VOL	V-P	ISI-VRR-B31-1	P-79	RR	645003	04/10/95	Y	NRI
VRRB311-FW-A5 VOL	E-PU	ISI-VRR-B31-1	P-79	RR	645004	04/13/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG2 ITEM: CAT-C

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP	SYSTEM ----- NCR NO -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
DBB1071-1-B VOL	E-P	ISI-DBB-107-1	P-69	RHR	495032	07/11/95	Y	ROOT GEOMETRY ACCEPT
DBB1072-1-A VOL	P-E	ISI-DBB-107-2	P-69	RHR	495033	04/20/95	Y	ROOT GEOMETRY ACCEPT
DCA1101-FW-1 VOL	P-V	ISI-DCA-110-1	P-64	RHR	495034	04/19/95	Y	ROOT GEOMETRY ACCEPT
DCB1021-FW-1 VOL	P-V	ISI-DCB-102-1	P-13	RHR	495035	04/21/95	Y	NRI
N1B NOZ-SE VOL	NOZ-SE	FF113010 SHT 6101	V-29 B	RPV-E	625036	04/20/95	Y	ID GEOMETRY ACCEPT
N2B NOZ-SE VOL	SE-NOZ	FF113010 SHT 1201	V-27 B	RPV-E	625037	04/20/95	Y	ID GEOMETRY ACCEPT
N2C NOZ-SE VOL	SE-NOZ	FF113010 SHT 1201	V-27 B	RPV-E	625038	04/20/95	Y	ID GEOMETRY ACCEPT
N2D NOZ-SE VOL	SE-NOZ	FF113010 SHT 1201	V-27 B	RPV-E	625039	04/20/95	Y	ID GEOMETRY ACCEPT
N2E NOZ-SE VOL	SE-NOZ	FF113010 SHT 1201	V-27 B	RPV-E	625040	04/20/95	Y	ID GEOMETRY ACCEPT
N2G NOZ-SE VOL	SE-NOZ	FF113010 SHT 1201	V-27 A	RPV-E	625041	04/20/95	Y	ID GEOMETRY ACCEPT



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG2 ITEM: CAT-C

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP	SYSTEM NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
N2H NOZ-SE VOL	SE-NOZ	FF113010 SHT 1201	V-27 A	RPV-E	625042	04/20/95	Y	ID GEOMETRY ACCEPT
N5A NOZ-SE VOL	SE-NOZ	FF113010 SHT 3201	V-27 B	RPV-E	625044	04/20/95	Y	ID GEOMETRY ACCEPT
N5A SE-SEXT VOL	SE EXT-SE	FF113010 SHT 3201	B	RPV-E	625045	04/20/95	Y	NRI
N5B NOZ-SE VOL	SE-NOZ	FF13010 SHT 3201	V-27 A	RPV-E	625046	04/10/95	Y	NRI
N5B SE-SEXT VOL	SE EXT-SE	FF113010 SHT 3201	A	RPV-E	625047	04/10/95	Y	NRI
N8A NOZ-SE VOL	NOZ-SE	FF113012 SHT 0201	B	RPV-E	625048	04/18/95	Y	NRI
N8A SE-PEN SEAL VOL	SE-PEN SEAL	FF113012 SHT 0201	V-13 B	RPV-E	625049	04/18/95	Y	NRI
N8B NOZ-SE VOL	NOZ-SE	FF113012 SHT 0201	A	RPV-E	625050	04/18/95	Y	NRI
N8B SE-PEN SEAL VOL	SE-PEN SEAL	FF113012 SHT 0201	V-13 A	RPV-E	625051	04/18/95	Y	NRI

TALLY ITEM CAT-C 19
TALLY CDECAT AUG2 34

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG3

ITEM: AUG3

CID	DESC	ISI ISO	CAL BLOCK	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT	INDICATION
EXAM TYPE	MEMO		LOOP	NCR NO				RESOLUTION
N4A IR VOL	NOZ-IR	FF113012 SHT 0301	V-1 B	RPV-E	625001	04/28/95	Y	GEOMETRY ACCEPT
N4A NOZ-SE VOL	SE-NOZ	FF113010 SHT 7701	V-22 B	RPV-E	625002	04/20/95	Y	GEOMETRY ACCEPT
N4A-BORE VOL	FW NOZZLE BORE	FF113012-SHT 0301	V-1 B	RPV-E	625003	04/28/95	Y	GEOMETRY ACCEPT
N4B IR VOL	NOZ-IR	FF113012 SHT 0301	V-22 B	RPV-E	625004	04/28/95	Y	GEOMETRY ACCEPT
N4B NOZ-SE VOL	SE-NOZ	FF113010 SHT 7701	V-22 B	RPV-E	625005	04/20/95	Y	GEOMETRY ACCEPT
N4B-BORE VOL	FW NOZZLE BORE	FF113012 SHT 0301	V-1 B	RPV-E	625006	04/28/95	Y	GEOMETRY ACCEPT
N4C IR VOL	NOZ-IR	FF113012 SHT 0301	V-1 B	RPV-E	625007	04/28/95	Y	GEOMETRY ACCEPT
N4C NOZ-SE VOL	SE-NOZ	FF113010 SHT 7701	V-22 B	RPV-E	625008	04/20/95	Y	GEOMETRY ACCEPT
N4C-BORE VOL	FW NOZZLE BORE	FF113012 SHT 0301	V-1 B	RPV-E	625009	04/28/95	Y	GEOMETRY ACCEPT
N4D IR VOL	NOZ-IR	FF113012 SHT 0301	V-1 A	RPV-E	625010	04/28/95	Y	GEOMETRY ACCEPT

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG3

ITEM: AUG3

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
N4D NOZ-SE VOL	SE-NOZ	FF113010 SHT 7701	V-22 A	RPV-E	625011	04/20/95	Y	GEOMETRY ACCEPT
N4D-BORE VOL	FW NOZZLE BORE	FF113012 SHT 0301	V-1 A	RPV-E	625012	04/28/95	Y	GEOMETRY ACCEPT
N4E IR VOL	NOZ-IR	FF113012 SHT 0301	V-1 A	RPV-E	625013	04/28/95	Y	GEOMETRY ACCEPT
N4E NOZ-SE VOL	SE-NOZ	FF113010 SHT 7701	V-22 A	RPV-E	625014	04/20/95	Y	GEOMETRY ACCEPT
N4E-BORE VOL	FW NOZZLE BORE	FF113012 SHT 0301	V-1 A	RPV-E	625015	04/28/95	Y	GEOMETRY ACCEPT
N4F IR VOL	NOZ-IR	FF113012 SHT 0301	V-1 A	RPV-E	625016	04/28/95	Y	GEOMETRY ACCEPT
N4F NOZ-SE VOL	SE-NOZ	FF113010 SHT 7701	V-22 A	RPV-E	625017	04/20/95	Y	GEOMETRY ACCEPT
N4F-BORE VOL	FW NOZZLE BORE	FF113012 SHT 0301	V-1 A	RPV-E	625018	04/28/95	Y	GEOMETRY ACCEPT

TALLY ITEM AUG3 18
TALLY CDECAT AUG3 18

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG5

ITEM: AUG5

CID ----	DESC ----	ISI ISO ---	CAL BLOCK ----	SYSTEM ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP ----	NCR NO -----				RESOLUTION -----
JT PMP HLD DN BM 01 VOL	BOLT TACK WELDS	C-199587 SH 4	B	RPV-I	625257	04/29/95	N	NRI
JT PMP HLD DN BM 02 VOL	BOLT TACK WELDS	C-199587-SH 4	B	RPV-I	625258	04/29/96	N	NRI
JT PMP HLD DN BM 03 VOL	BOLT TACK WELDS	C-199587 SH 4	B	RPV-I	625259	04/29/95	N	NRI
JT PMP HLD DN BM 04 VOL	BOLT TACK WELDS	C-199687 SH 4	B	RPV-I	625260	04/29/95	N	NRI
JT PMP HLD DN BM 05 VOL	BOLT TACK WELDS	C-199587 SH 4	B	RPV-I	625261	04/29/95	N	NRI
JT PMP HLD DN BM 06 VOL	BOLT TACK WELDS	C-199587 SH 4	B	RPV-I	625262	04/29/95	N	NRI
JT PMP HLD DN BM 07 VOL	BOLT TACK WELDS	C-199587 SH 4	B	RPV-I	625263	04/29/95	N	NRI
JT PMP HLD DN BM 08 VOL	BOLT TACK WELDS	C-199587 SH 4	B	RPV-I	625264	04/29/95	N	NRI
JT PMP HLD DN BM 09 VOL	BOLT TACK WELDS	C-199587 SH 4	B	RPV-I	625265	04/29/95	N	NRI
JT PMP HLD DN BM 10 VOL	BOLT TACK WELDS	C-199587 SH 4	B	RPV-I	625266	04/29/95	N	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG5 ITEM: AUG5

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
JT PMP HLD DN BM 11 VOL	BOLT TACK WELDS	C-199587 SH 4	B	RPV-I	625267	04/29/95	N	NRI
JT PMP HLD DN BM 12 VOL	BOLT TACK WELDS	C-199587 SH 4	A	RPV-I	625268	04/29/95	N	NRI
JT PMP HLD DN BM 13 VOL	BOLT TACK WELDS	C-199587 SH 4	A	RPV-I	625269	04/29/95	N	NRI
JT PMP HLD DN BM 14 VOL	BOLT TACK WELDS	C-199587 SH 4	A	RPV-I	625270	04/29/95	N	NRI
JT PMP HLD DN BM 15 VOL	BOLT TACK WELDS	C-199587 SH 4	A	RPV-I	625271	04/29/95	N	NRI
JT PMP HLD DN BM 16 VOL	BOLT TACK WELDS	C-199587 SH 4	A	RPV-I	625272	04/29/95	N	NRI
JT PMP HLD DN BM 17 VOL	BOLT TACK WELDS	C-199587 SH 4	A	RPV-I	625273	04/29/95	N	NRI
JT PMP HLD DN BM 18 VOL	BOLT TACK WELDS	C-199587 SH 4	A	RPV-I	625274	04/29/95	N	NRI
JT PMP HLD DN BM 19 VOL	BOLT TACK WELDS	C-199587 SH 4	A	RPV-I	625275	04/29/95	N	NRI
JT PMP HLD DN BM 20 VOL	BOLT TACK WELDS	C-199587 SH 4	A	RPV-I	625276	04/29/95	N	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
 LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG5 ITEM: AUG5

CID	DESC	ISI	CAL	SYSTEM	EXAM	ANII	PROGRAM	INDICATION
---	---	---	BLOCK	---	NO	SIGN-OFF	CREDIT	---
EXAM TYPE	MEMO		LOOP	NCR NO				RESOLUTION
-----	-----		---	-----				-----
TALLY ITEM AUG5	20							
TALLY CDECAT AUG5	20							

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG6 ITEM: AUG6

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM NCR NO ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----					RESOLUTION -----
DRYER SUPT RING HOR VT-3	HORIZONTAL FACE	D-205977		RPV-I	625100	04/13/95	Y	NRI
DRYER SUPT RING VER VT-3	VERTICAL FACE	D-205977		RPV-I 0950098	625101	04/13/95	Y	CRACKING U.A.I.
DRYER WELD DC-A-1 VT-3	DRAIN CHAN WELD	D-205977		RPV-I 95059	625102	04/13/95	Y	CRACK U.A.I.
DRYER WELD DC-A-2 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625103	04/13/95	Y	NRI
DRYER WELD DC-A-3 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625104	04/13/95	Y	NRI
DRYER WELD DC-B-1 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625105	04/13/95	Y	NRI
DRYER WELD DC-B-2 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625106	04/13/95	Y	NRI
DRYER WELD DC-B-3 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625107	04/13/95	Y	NRI
DRYER WELD DC-C-1 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625108	04/13/95	Y	NRI
DRYER WELD DC-C-2 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625109	04/13/95	Y	NRI



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG6 ITEM: AUG6

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
DRYER WELD DC-C-3 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625110	04/13/95	Y	NRI
DRYER WELD DC-D-1 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625111	04/13/95	Y	NRI
DRYER WELD DC-D-2 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625112	04/13/95	Y	NRI
DRYER WELD DC-D-3 VT-3	DRAIN CHAN WELD	D-205977		RPV-I	625113	04/13/95	Y	NRI
DRYER WELD HE-A-1 VT-3	HOOD/END PANEL	D-205977		RPV-I	625114	04/13/95	Y	NRI
DRYER WELD HE-A-2 VT-3	HOOD/END PANEL	D-205977		RPV-I	625115	04/13/95	Y	NRI
DRYER WELD HE-B-1 VT-3	HOOD/END PANEL	D-205977		RPV-I	625116	04/13/95	Y	NRI
DRYER WELD HE-B-2 VT-3	HOOD/END PANEL	D-205977		RPV-I	625117	04/13/95	Y	NRI
DRYER WELD HE-C-1 VT-3	HOOD/END PANEL	D-205977		RPV-I	625118	04/13/95	Y	NRI
DRYER WELD HE-C-2 VT-3	HOOD/END PANEL	D-205977		RPV-I	625119	04/13/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG6 ITEM: AUG6

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION RESOLUTION -----
DRYER WELD HE-D-1 VT-3	HOOD/END PANEL	D-205977		RPV-I	625120	04/13/95	Y	NRI
DRYER WELD HE-D-2 VT-3	HOOD/END PANEL	D-205977		RPV-I	625121	04/13/95	Y	NRI
DRYER WELD HE-E-1 VT-3	HOOD/END PANEL	D-205977		RPV-I	625122	04/13/95	Y	NRI
DRYER WELD HE-E-2 VT-3	HOOD/END PANEL	D-205977		RPV-I	625123	04/13/95	Y	NRI
DRYER WELD HE-F-1 VT-3	HOOD/END PANEL	D-205977		RPV-I	625124	04/13/95	Y	NRI
DRYER WELD HE-F-2 VT-3	HOOD/END PANEL	D-205977		RPV-I	625125	04/13/95	Y	NRI
DRYER WELD TR-A-1/2 VT-1	CAPTURE PLATE	D-205977		RPV-I	625126	04/13/95	Y	NRI
DRYER WELD TR-A-3/4 VT-1	CAPTURE PLATE	D-205977		RPV-I	625127	04/13/95	Y	NRI
DRYER WELD TR-A-5/6 VT-1	CAPTURE PLATE	D-205977		RPV-I	625128	04/13/95	Y	NRI
DRYER WELD TR-A-7/8 VT-1	CAPTURE PLATE	D-205977		RPV-I	625129	04/13/95	Y	NRI

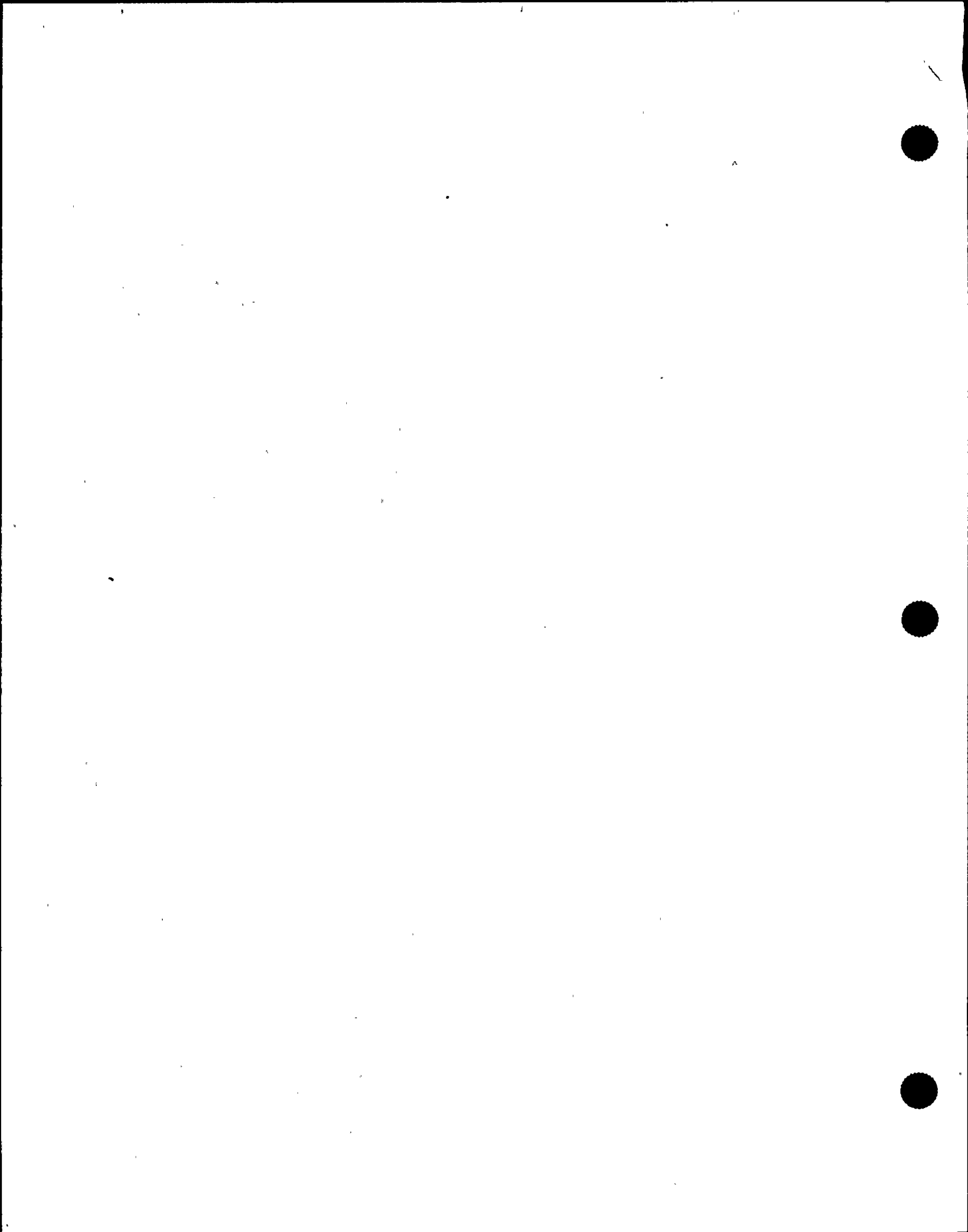
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG6

ITEM: AUG6

<u>CID</u>	<u>DESC</u>	<u>ISI</u>	<u>CAL</u>	<u>SYSTEM</u>	<u>EXAM</u>	<u>ANII</u>	<u>PROGRAM</u>	<u>INDICATION</u>
<u>----</u>	<u>----</u>	<u>----</u>	<u>BLOCK</u>	<u>----</u>	<u>NO</u>	<u>SIGN-OFF</u>	<u>CREDIT</u>	<u>----</u>
<u>EXAM TYPE</u>	<u>MEMO</u>		<u>LOOP</u>	<u>NCR NO</u>				<u>RESOLUTION</u>
<u>-----</u>	<u>-----</u>		<u>----</u>	<u>----</u>	<u>----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
DRYER WELD TR-B-1/2 VT-1	CAPTURE PLATE	D-205977		RPV-I	625130	04/13/95	Y	NRI
DRYER WELD TR-B-3/4 VT-1	CAPTURE PLATE	D-205977		RPV-I	625131	04/13/95	Y	NRI
DRYER WELD TR-B-5/6 VT-1	CAPTURE PLATE	D-205977		RPV-I	625132	04/13/95	Y	NRI
DRYER WELD TR-B-7/8 VT-1	CAPTURE PLATE	D-205977		RPV-I	625133	04/13/95	Y	NRI
DRYER WELD TR-C-1/2 VT-1	CAPTURE PLATE	D-205977		RPV-I	625134	04/13/95	Y	NRI
DRYER WELD TR-C-3/4 VT-1	CAPTURE PLATE	D-205977		RPV-I	625135	04/13/95	Y	NRI
DRYER WELD TR-C-5/6 VT-1	CAPTURE PLATE	D-205977		RPV-I	625136	04/13/95	Y	NRI
DRYER WELD TR-C-7/8 VT-1	CAPTURE PLATE	D-205977		RPV-I	625137	04/13/95	Y	NRI
DRYER WELD TR-D-1/2 VT-1	CAPTURE PLATE	D-205977		RPV-I	625138	04/13/95	Y	NRI
DRYER WELD TR-D-3/4 VT-1	CAPTURE PLATE	D-205977		RPV-I	625139	04/13/95	Y.	NRI



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM -- AS OF: 07/17/95

CODE CATEGORY: AUG6 ITEM: AUG6

CID ---	DESC ---	ISI ISO ---	CAL BLOCK ---	SYSTEM ---	EXAM NO ---	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
DRYER WELD VT-1	TR-D-5/6 CAPTURE PLATE	D-205977		RPV-I	625140	04/13/95	Y	NRI
DRYER WELD VT-1	TR-D-7/8 CAPTURE PLATE	D-205977		RPV-I	625141	04/13/95	Y	NRI
DRYER WELD VT-1	TR-E-1/2 CAPTURE PLATE	D-205977		RPV-I	625142	04/13/95	Y	NRI
DRYER WELD VT-1	TR-E-3/4 CAPTURE PLATE	D-205977		RPV-I	625143	04/13/95	Y	NRI
DRYER WELD VT-1	TR-E-5/6 CAPTURE PLATE	D-205977		RPV-I	625144	04/13/95	Y	NRI
DRYER WELD VT-1	TR-E-7/8 CAPTURE PLATE	D-205977		RPV-I	625145	04/13/95	Y	NRI
DRYER WELD VT-1	TR-F-1/2 CAPTURE PLATE	D-205977		RPV-I	625146	04/13/95	Y	NRI
DRYER WELD VT-1	TR-F-3/4 CAPTURE PLATE	D-205977		RPV-I	625147	04/13/95	Y	NRI
DRYER WELD VT-1	TR-F-5/6 CAPTURE PLATE	D-205977		RPV-I	625148	04/13/95	Y	NRI
DRYER WELD VT-1	TR-F-7/8 CAPTURE PLATE	D-205977		RPV-I	625149	04/13/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG6 ITEM: AUG6

CID ----	DESC -----	ISI ISO ----	CAL BLOCK	SYSTEM	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP ----	NCR NO -----				RESOLUTION -----
JT PMP 03 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	B	RPV-I	625150	04/18/95	N	NRI
JT PMP 04 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	B	RPV-I	625151	04/18/95	N	NRI
JT PMP 05 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	B	RPV-I	625152	04/18/95	N	NRI
JT PMP 06 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	B	RPV-I	625153	04/18/95	N	NRI
JT PMP 07 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	B	RPV-I	625154	04/18/95	N	NRI
JT PMP 08 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	B	RPV-I	625155	04/18/95	N	NRI
JT PMP 09 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	B	RPV-I	625156	04/18/95	N	NRI
JT PMP 13 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	A	RPV-I	625157	04/18/95	N	NRI
JT PMP 14 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	A	RPV-I	625158	04/18/95	N	NRI
JT PMP 15 VT-3	INST LINE WELDS/SUPPORTS	C-199587 SH 3	A	RPV-I	625159	04/18/95	N	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG6

ITEM: AUG6

CID ---	DESC ---	ISI ISO ---	CAL BLOCK ---	SYSTEM ---	EXAM NO ---	ANII SIGN-OFF ---	PROGRAM CREDIT ---	INDICATION ---
EXAM TYPE -----	MEMO ---		LOOP ---	NCR NO ---				RESOLUTION -----
JT PMP 16 INST LINE VT-3	WELDS/SUPPORTS	C-199587 SH 3	A	RPV-I	625160	04/18/95	N	NRI
JT PMP 17 INST LINE VT-3	WELDS/SUPPORTS	C-199587 SH 3	A	RPV-I	625161	04/18/95	N	NRI
JT PMP 18 INST LINE VT-3	WELDS/SUPPORTS	C-199587 SH 3	A	RPV-I	625162	04/18/95	N	NRI
JT PMP 19 INST LINE VT-3	WELDS/SUPPORTS	C-199587 SH 3	A	RPV-I	625163	04/18/95	N	NRI
N2F JP-11,12 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625164	04/18/95	Y	NRI
N2F JP-7,8,9,10 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625165	04/18/95	Y	NRI
N2F RISER BRACE VT-3	BRACE/WELD	C-199587 SH 4	A	RPV-I	625166	04/18/95	Y	NRI
N2G JP-11,12 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625167	04/18/95	Y	NRI
N2G JP-7,8,9,10 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625277	04/18/95	Y	NRI
N2G RISER BRACE VT-3	BRACE/WELD	C-199587 SH 4	A	RPV-I	625168	04/18/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG6 ITEM: AUG6

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
N2H JP-11,12 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625169	04/18/95	Y	NRI
N2H JP-7,8,9,10 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625170	04/18/95	Y	NRI
N2H RISER BRACE VT-3	BRACE/WELD	C-199587 SH 4	A	RPV-I	625171	04/18/95	Y	NRI
N2J JP-11,12 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625172	04/18/95	Y	NRI
N2J JP-7,8,9,10 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625173	04/18/95	Y	NRI
N2J RISER BRACE VT-3	BRACE/WELD	C-199587 SH 4	A	RPV-I	625174	04/18/95	Y	NRI
N2K JP-11,12 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625175	04/18/95	Y	NRI
N2K JP-7,8,9,10 VT-1	BRACE WELDS	C-199587 SH 4	A	RPV-I	625176	04/18/95	Y	NRI
N2K RISER BRACE VT-3	BRACE/WELD	C-199587 SH 4	A	RPV-I	625177	04/18/95	Y	NRI

TALLY ITEM AUG6 79
TALLY CDECAT AUG6 79

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG7

ITEM: AUG7

CID ----	DESC ----	ISI ISO ---	CAL BLOCK ----	SYSTEM -----	EXAM NO ----	ANI SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP ----	NCR NO -----				RESOLUTION -----
SHROUD HEAD BOLT 01 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625178	04/17/95	Y	NRI
SHROUD HEAD BOLT 02 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625179	04/17/95	Y	NRI
SHROUD HEAD BOLT 03 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625180	04/17/95	Y	NRI
SHROUD HEAD BOLT 04 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625181	04/17/95	Y	NRI
SHROUD HEAD BOLT 05 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625182	04/17/95	Y	NRI
SHROUD HEAD BOLT 06 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I 0950122	625183	04/17/95	Y	CRACKING REWORK/REPLACE
SHROUD HEAD BOLT 07 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625184	04/17/95	Y	NRI
SHROUD HEAD BOLT 08 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625185	04/17/95	Y	NRI
SHROUD HEAD BOLT 09 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625186	04/17/95	Y	NRI
SHROUD HEAD BOLT 10 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625187	04/17/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG7

ITEM: AUG7

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
SHROUD HEAD BOLT 11 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625188	04/17/95	Y	NRI
SHROUD HEAD BOLT 12 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625189	04/17/95	Y	NRI
SHROUD HEAD BOLT 13 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625190	04/17/95	Y	NRI
SHROUD HEAD BOLT 14 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625191	04/17/95	Y	NRI
SHROUD HEAD BOLT 15 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625192	04/17/95	Y	NRI
SHROUD HEAD BOLT 16 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625193	04/17/95	Y	NRI
SHROUD HEAD BOLT 17 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625194	04/17/95	Y	NRI
SHROUD HEAD BOLT 18 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625195	04/17/95	Y	NRI
SHROUD HEAD BOLT 19 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625196	04/17/95	Y	NRI
SHROUD HEAD BOLT 20 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625197	04/17/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG7 ITEM: AUG7

CID ----- EXAM TYPE -----	DESC ----- MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP -----	SYSTEM ----- NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
SHROUD HEAD BOLT 21 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625198	04/17/95	Y	NRI
SHROUD HEAD BOLT 22 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625199	04/17/95	Y	NRI
SHROUD HEAD BOLT 23 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625200	04/17/95	Y	NRI
SHROUD HEAD BOLT 24 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625201	04/17/95	Y	NRI
SHROUD HEAD BOLT 25 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625202	04/17/95	Y	NRI
SHROUD HEAD BOLT 26 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625203	04/17/95	Y	NRI
SHROUD HEAD BOLT 27 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625204	04/17/95	Y	NRI
SHROUD HEAD BOLT 28 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625205	04/17/95	Y	NRI
SHROUD HEAD BOLT 29 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625206	04/17/95	Y	NRI
SHROUD HEAD BOLT 30 VOL	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625207	04/17/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG7 ITEM: AUG7

CID ----	DESC -----	ISI ISO ---	CAL BLOCK -----	SYSTEM NCR NO -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----					RESOLUTION -----
SHROUD HEAD BOLT VOL	31 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625208	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL	32 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625209	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL	33 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625210	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL	34 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625211	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL	35 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625212	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL	36 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625213	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL	37 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625214	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL	38 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625215	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL	39 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625216	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL	40 HOLDDWN BOLT	C-213561 SH 1		RPV-I	625217	04/17/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: AUG7

ITEM: AUG7

CID ----	DESC ----	ISI ISO ---	CAL BLOCK ----	SYSTEM NCR NO ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
SHROUD HEAD BOLT VOL 41	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625218	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL 42	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625219	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL 43	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625220	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL 44	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625221	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL 45	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625222	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL 46	HOLDDWN BOLT	C-213561 SH 1		RPV-I 0950122	625223	04/17/95	Y	CRACKED REWORK/REPLACE
SHROUD HEAD BOLT VOL 47	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625224	04/17/95	Y	NRI
SHROUD HEAD BOLT VOL 48	HOLDDWN BOLT	C-213561 SH 1		RPV-I	625225	04/17/95	Y	NRI
TALLY ITEM AUG7 48								
TALLY CDECAT AUG7 48								

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-A

ITEM: B1.11

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO ----		LOOP ----	NCR NO -----				RESOLUTION -----
AA-BOT VOL	BHEAD-SC1	ISI-C-198607	V-1	RPV-E	625019	04/28/95	Y	GEOMETRY ACCEPT
AA-TOP VOL	BHEAD-SC1	ISI-C-198607	V-1	RPV-E	625019	04/28/95	Y	GEOMETRY ACCEPT

TALLY ITEM B1.11 2

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

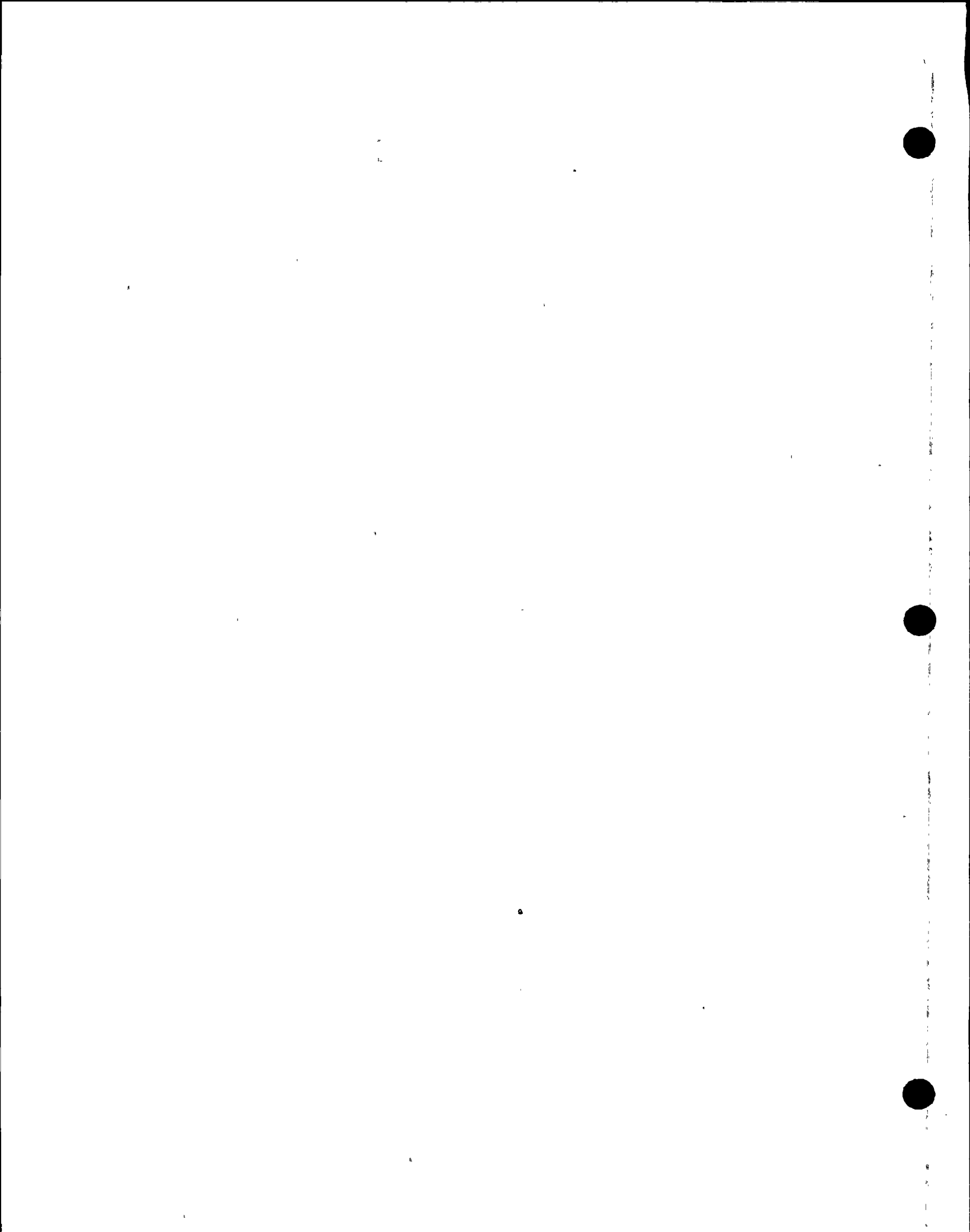
OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-A

ITEM: B1.12

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
BB VOL	SC1 LONG	ISI-C-198607	V-1	RPV-E	625021	04/24/95	Y	GEOMETRY ACCEPT
BC VOL	SC1 LONG	ISI-C-198607	V-1	RPV-E	625022	04/24/95	Y	GEOMETRY ACCEPT

TALLY ITEM B1.12 2



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-A

ITEM: B1.30

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
AF (0-120) VOL	SC5-VFLG(0-120)	ISI-C-198607	V-5	RPV-E	625023	04/24/95	N	GEOMETRY

TALLY ITEM B1.30 1
TALLY CDECAT B-A 5

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-D

ITEM: B3.100

CID ----	DESC ----	ISI ISO ---	CAL BLOCK ----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO ----		LOOP ----	NCR NO -----				RESOLUTION -----
N1A IR VOL	NOZ-IR	FF113010 SHT 4902	V-1 A	RPV-E	625024	04/28/95	Y	GEOMETRY ACCEPT
N2A IR VOL	NOZ-IR	FF113010 SHT 9802	V-1	RPV-E	625025	04/28/95	Y	GEOMETRY ACCEPT
N2F IR VOL	NOZ-IR	FF113010 SHT 9802	V-1	RPV-E	625026	04/28/95	Y	GEOMETRY ACCEPT

TALLY ITEM B3.100 3

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-D

ITEM: B3.90

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO -----	CAL BLOCK ----- LOOP -----	SYSTEM ----- NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
N1A VOL	NOZ-SC1	FF113010 SHT 4902	V-1	RPV-E	625027	04/28/95	-Y	GEOMETRY ACCEPT
N2A VOL	NOZ-SC1	FF113010 SHT 9802	V-1	RPV-E	625028	04/28/95	Y	GEOMETRY ACCEPT
N2F VOL	NOZ-SC1	FF113010 SHT 9802	V-1	RPV-E	625029	04/28/95	Y	GEOMETRY ACCEPT
N4A VOL	NOZ-SC3	FF113012 SHT 0301	V-1 B	RPV-E	625030	04/28/95	Y	GEOMETRY ACCEPT
N4B VOL	NOZ-SC3	FF113012 SHT 0301	V-1 B	RPV-E	625031	04/28/95	Y	GEOMETRY ACCEPT
N4C VOL	NOZ-SC3	FF113012 SHT 0301	V-1 B	RPV-E	625032	04/28/95	Y	GEOMETRY ACCEPT
N4D VOL	NOZ-SC3	FF113012 SHT 0301	V-1 A	RPV-E	625033	04/28/95	Y	GEOMETRY ACCEPT
N4E VOL	NOZ-SC3	FF113012 SHT 0301	A	RPV-E	625034	04/28/95	Y	GEOMETRY ACCEPT
N4F VOL	NOZ-SC3	FF113012 SHT 0301	A	RPV-E	625035	04/28/95	Y	GEOMETRY ACCEPT

TALLY ITEM B3.90 9
TALLY CDECAT B-D 12

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-G-2 ITEM: B7.50

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP ----	NCR NO -----				RESOLUTION -----
VNBB212-18-E-B VT-1	FLANGE BOLTING	ISI-VNB-B21-2		MS	835019	04/03/95	Y	NRI
VNBB212-18-K-B VT-1	FLANGE BOLTING	ISI-VNB-B21-2		MS	835020	04/06/95	Y	NRI
VNBB212-18-N-B VT-1	FLANGE BOLTING	ISI-VNB-B21-2		MS	835021	04/03/95	Y	NRI

TALLY ITEM B7.50 3

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-G-2 ITEM: B7.70

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
HV1F023A-BG2 VT-1	VALVE BOLTING	ISI-VRR-B31-1		RR	645008	04/19/95	Y	NRI

TALLY ITEM B7.70 1

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-G-2 ITEM: B7.80

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM NCR NO -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----					RESOLUTION -----
CRD-10-31-BLT VT-1	CRD HOUSING BLT			RPV-E	555005	04/25/95	Y	ACCEPT
CRD-10-43-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555006	04/25/95	Y	PITTING REJECT
CRD-14-27-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555007	04/25/95	Y	PITTING REJECT
CRD-14-31-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555008	04/25/95	Y	PITTING REJECT
CRD-14-35-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555009	04/25/95	Y	PITTING REJECT
CRD-18-43-BLT VT-1	CRD HOUSING BLT			RPV-E	555010	04/25/95	Y	ACCEPT
CRD-18-59-BLT VT-1	CRD HOUSING BLT			RPV-E	555011	04/25/95	Y	ACCEPT
CRD-26-27-BLT VT-1	CRD HOUSING BLT			RPV-E	555012	04/25/95	Y	ACCEPT
CRD-30-03-BLT VT-1	CRD HOUSING BLT			RPV-E	555013	04/25/95	Y	ACCEPT
CRD-30-43-BLT VT-1	CRD HOUSING BLT			RPV-E	555014	04/25/95	Y	ACCEPT

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-G-2 ITEM: B7.80

CID ----	DESC ----	ISI ISO ---	CAL BLOCK -----	SYSTEM NCR NO -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION RESOLUTION -----
CRD-34-59-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555015	04/29/95	Y	PITTING REJECT
CRD-38-15-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555016	04/29/95	Y	PITTING REJECT
CRD-38-59-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555017	04/29/95	Y	PITTING REJECT
CRD-42-11-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555018	04/29/95	Y	PITTING REJECT
CRD-46-07-BLT VT-1	CRD HOUSING BLT			RPV-E	555019	04/29/95	Y	ACCEPT
CRD-46-19-BLT VT-1	CRD HOUSING BLT			RPV-E	555020	04/29/95	Y	ACCEPT
CRD-50-19-BLT VT-1	CRD HOUSING BLT			RPV-E	555021	04/29/95	Y	ACCEPT
CRD-50-47-BLT VT-1	CRD HOUSING BLT			RPV-E	555022	04/29/95	Y	ACCEPT
CRD-54-15-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555023	04/29/95	Y	REJECT
CRD-54-19-BLT VT-1	CRD HOUSING BLT			RPV-E 095161	555024	04/29/95	Y	REJECT

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-G-2 ITEM: B7.80

CID	DESC	ISI	CAL	SYSTEM	EXAM	ANII	PROGRAM	INDICATION
-----	-----	---	BLOCK	-----	NO	SIGN-OFF	CREDIT	-----
EXAM TYPE	MEMO		LOOP	NCR NO				RESOLUTION
-----	-----		----	-----				-----
TALLY ITEM B7.80	20							
TALLY CDECAT B-G-2	24							

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.11

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO -----	CAL BLOCK ----- LOOP -----	SYSTEM NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
DCA1071-FW-5 SUR	RED-SE EXT	ISI-DCA-107-1	A	CS	515002	04/13/95	Y	NRI
DCA1071-FW-5 VOL	RED-SE EXT	ISI-DCA-107-1	P-26 A	CS	515003	04/10/95	Y	ROOT GEOMETRY ACCEPT
DCA1071-2-B SUR	P-RED	ISI-DCA-107-1	A	CS	515004	04/13/95	Y	NRI
DCA1071-2-B VOL	P-RED	ISI-DCA-107-1	P-33 A	CS	066-94	04/10/95	Y	NRI
DCA1092-FW-2 SUR	V-FH	ISI-DCA-109-2	B	CS	515005	02/08/95	Y	NRI
DCA1092-FW-2 VOL	V-FH	ISI-DCA-109-2	P-36 B	CS	515001	02/08/95	Y	NRI
DLA1021-FW-1 VOL	P-SE	ISI-DLA-102-1	P-31	FW	455006	04/26/95	Y	ROOT GEOMETRY ACCEPT
DLA1021-FW-1 SUR	P-SE	ISI-DLA-102-1		FW	455007	04/19/95	Y	NRI
DLA1021-FW-10 VOL	P-SE	ISI-DLA-102-1	P-31	FW	455008	04/26/95	Y	ROOT GEOMETRY ACCEPT
DLA1021-FW-10 SUR	P-SE	ISI-DLA-102-1		FW	455009	04/19/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.11

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
DLA1021-FW-5 VOL	P-SE	ISI-DLA-102-1	P-31	FW	455010	04/26/95	Y	NRI
DLA1021-FW-5 SUR	P-SE	ISI-DLA-102-1		FW	455011	04/20/95	Y	NRI
DLA1042-FW-1 VOL	P-SE	ISI-DLA-104-2	P-31	FW	455012	04/26/95	Y	NRI
DLA1042-FW-1 SUR	P-SE	ISI-DLA-104-2		FW	455013	04/19/95	Y	NRI
DLA1043-FW-1 VOL	P-SE	ISI-DLA-104-3	P-31	FW	455014	04/24/95	Y	ROOT GEOMETRY ACCEPT
DLA1043-FW-1 SUR	P-SE	ISI-DLA-104-3		FW	455015	04/13/95	Y	NRI
DLA1044-FW-1 VOL	P-SE	ISI-DLA-104-4	P-31	FW	455016	04/24/95	Y	ROOT GEOMETRY ACCEPT
DLA1044-FW-1 SUR	P-SE	ISI-DLA-104-4		FW	455017	04/13/95	Y	NRI
VNBB211-FW-C15 SUR	SWOL-P	ISI-VNB-B21-1		MS	835022	04/24/95	Y	NRI
VNBB211-FW-C15 VOL	SWOL-P	ISI-VNB-B21-1	P-4	MS	835023	04/19/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.11

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM NCR NO ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION RESOLUTION -----
VNBB211-FW-C5 SUR	V-FH	ISI-VNB-B21-1		MS	835024	04/21/95	Y	NRI
VNBB211-FW-C6 SUR	FH-V	ISI-VNB-B21-1		MS	835025	04/21/95	Y	NRI
VNBB212-FW-A6 SUR	FH-V	ISI-VNB-B21-2		MS	835026	04/06/95	Y	NRI
DCA1081-FW-3 VOL	V-E	ISI-DCA-108-1	P-56	RHR	495002	04/17/95	Y	NRI
DCA1081-FW-3 SUR	V-E	ISI-DCA-108-1		RHR	495008	04/13/95	Y	NRI
DCA1081-FW-4 SUR	P-V	ISI-DCA-108-1		RHR	495009	04/14/95	Y	NRI
DCA1081-FW-4 VOL	P-V	ISI-DCA-108-1	P-56	RHR	495003	04/17/95	Y	NRI
DCA1081-FW-5 SUR	V-P	ISI-DCA-108-1		RHR	495010	04/14/95	Y	NRI
DCA1081-FW-5 VOL	V-P	ISI-DCA-108-1	P-56	RHR	495004	04/18/95	Y	ROOT GEOMETRY ACCEPT
DCA1081-2-A SUR	E-P	ISI-DCA-108-1		RHR	495011	04/17/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.11

<u>CID</u>	<u>DESC</u>	<u>ISI</u> <u>ISO</u>	<u>CAL</u> <u>BLOCK</u>	<u>SYSTEM</u>	<u>EXAM</u> <u>NO</u>	<u>ANII</u> <u>SIGN-OFF</u>	<u>PROGRAM</u> <u>CREDIT</u>	<u>INDICATION</u>
<u>EXAM TYPE</u>	<u>MEMO</u>		<u>LOOP</u>	<u>NCR NO</u>				<u>RESOLUTION</u>
DCA1081-2-A VOL	E-P	ISI-DCA-108-1	P-56	RHR	495005	04/12/95	Y	NRI
DCA1081-3-A SUR	P-E	ISI-DCA-108-1		RHR	495012	04/14/95	Y	NRI
DCA1081-3-A VOL	P-E	ISI-DCA-108-1	P-56	RHR	495006	04/17/95	Y	NRI
DCA1111-FW-2 SUR	V-P	ISI-DCA-111-1		RHR	495013	04/14/95	Y	NRI
DCA1111-FW-2 VOL	V-P	ISI-DCA-111-1	P-13	RHR	495014	04/19/95	Y	NRI
N4A NOZ-SE SUR	SE-NOZ	FF113010 SHT 7701	B	RPV-E	625002	04/19/95	Y	NRI
N4B NOZ-SE SUR	SE-NOZ	FF113010 SHT 7701	B	RPV-E	625005	04/21/95	Y	NRI
N4C NOZ-SE SUR	SE-NOZ	FF113010 SHT 7701	B	RPV-E	625008	04/13/95	Y	NRI
N4D NOZ-SE SUR	SE-NOZ	FF113010 SHT 7701	A	RPV-E	625011	04/19/95	Y	NRI
N4E NOZ-SE SUR	SE-NOZ	FF113010 SHT 7701	A	RPV-E	625014	04/19/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM -- AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.11

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP -----	SYSTEM NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION RESOLUTION -----
N4F NOZ-SE SUR	SE-NOZ	FF113010 SHT 7701	A	RPV-E	625017	04/19/95	Y	NRI
VRRB311-FW-A20 SUR	WOL-P	ISI-VRR-B31-1		RR	645009	04/19/95	Y	NRI
VRRB311-FW-A20 VOL	WOL-P	ISI-VRR-B31-1	P-5	RR	645001	04/10/95	Y	NRI
VRRB311-FW-A23 SUR	E-V	ISI-VRR-B31-1		RR	645010	04/19/95	Y	NRI
VRRB311-FW-A23 VOL	E-V	ISI-VRR-B31-1	P-8	RR	645011	04/13/95	Y	NRI
VRRB311-FW-A3 SUR	E-V	ISI-VRR-B31-1		RR	645012	04/10/95	Y	NRI
VRRB311-FW-A3 VOL	E-V	ISI-VRR-B31-1	P-79	RR	645002	04/10/95	Y	NRI
VRRB311-FW-A4 SUR	V-P	ISI-VRR-B31-1		RR	645013	04/10/95	Y	NRI
VRRB311-FW-A4 VOL	V-P	ISI-VRR-B31-1	P-79	RR	645003	04/10/95	Y	NRI
VRRB311-FW-A5 SUR	E-PU	ISI-VRR-B31-1		RR	645014	04/18/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.11

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
VRRB311-FW-A5 VOL	E-PU	ISI-VRR-B31-1	P-79	RR	645004	04/18/95	Y	NRI
VRRB311-1-A SUR	P-WOL	ISI-VRR-B31-1		RR	645027	04/10/95	Y	NRI
VRRB311-1-A VOL	P-WOL	ISI-VRR-B31-1	P-80	RR	645005	04/24/95	Y	NRI
VRRB311-14-B SUR	P-WOL	ISI-VRR-B31-1		RR	645028	04/17/95	Y	NRI
VRRB311-14-B VOL	P-WOL	ISI-VRR-B31-1	P-79	RR	645006	04/13/95	Y	NRI
VRRB311-2-B SUR	P-WOL	ISI-VRR-B31-1		RR	645029	04/19/95	Y	NRI
VRRB311-2-B VOL	P-WOL	ISI-VRR-B31-1	P-80	RR	645007	04/24/95	Y	NRI
DCA1021-FW-1 SUR	SWOL-T	ISI-DCA-102-1		RWCU	615003	04/19/95	Y	NRI
DCA1021-FW-1 VOL	SWOL-T	ISI-DCA-102-1	P-5	RWCU	615001	04/10/95	Y	NRI
DCA1021-FW-4 SUR	P-FH	ISI-DCA-102-1		RWCU	615004	04/13/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.11

CID ---	DESC ---	ISI ISO ---	CAL BLOCK ---	SYSTEM ---	EXAM NO ---	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
DCA1021-FW-4 VOL	P-FH	ISI-DCA-102-1	P-5	RWCU	615002	04/10/95	Y	NRI
DCA1021-FW-8 SUR	P-P	ISI-DCA-102-1		RWCU	615005	04/10/95	Y	NRI
DCA1021-FW-8 VOL	P-P	ISI-DCA-102-1	P-5	RWCU	615006	04/21/95	Y	NRI

TALLY ITEM B9.11 63

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.12

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
DCA1081-1-B SUR	PIPE SEAM (UP FROM FW-2)	ISI-DCA-108-1		RHR	495015	04/14/95	N	NRI
DCA1081-1-B VOL	PIPE SEAM (UP FROM FW-2)	ISI-DCA-108-1	P-56	RHR	495016	04/13/95	N	NRI
DCA1081-2-E SUR	PIPE SEAM (UP FROM FW-4)	ISI-DCA-108-1		RHR	495017	04/12/95	N	NRI
DCA1081-2-E VOL	PIPE SEAM (UP FROM FW-4)	ISI-DCA-108-1	P-56	RHR	495018	04/18/95	N	NRI
DCA1081-2-E SUR	PIPE SEAM (DN FROM 2-A)	ISI-DCA-108-1		RHR	495040	04/12/95	N	NRI
DCA1081-2-E VOL	PIPE SEAM (DN FROM 2-A)	ISI-DCA-108-1	P-56	RHR	495041	04/18/95	N	NRI
DCA1081-2-F SUR	ELL SEAM-MIN (UP FROM 2-A)	ISI-DCA-108-1		RHR	495019	04/13/95	N	NRI
DCA1081-2-F VOL	ELL SEAM-MIN (UP FROM 2-A)	ISI-DCA-108-1	P-56	RHR	495020	04/17/95	N	NRI
DCA1081-2-F VOL	ELL SEAM-MIN (DN FROM FW-3)	ISI-DCA-108-1	P-56	RHR	495036	04/18/95	N	NRI
DCA1081-2-F SUR	ELL SEAM-MIN (DN FROM FW-3)	ISI-DCA-108-1		RHR	495037	04/13/95	N	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.12

CID ----- EXAM TYPE -----	DESC MEMO	ISI ISO ----	CAL BLOCK ----- LOOP	SYSTEM ----- NCR NO	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
DCA1081-2-G VOL	ELL SEAM-MAX (U (UP FROM 2-A)	ISI-DCA-108-1	P-56	RHR	495022	04/18/95	N	NRI
DCA1081-2-G SUR	ELL SEAM-MAX (U (DN FROM FW-3)	ISI-DCA-108-1		RHR	495038	04/13/95	N	NRI
DCA1081-2-G SUR	ELL SEAM-MAX (U (UP FROM 2-A)	ISI-DCA-108-1		RHR	495021	04/13/95	N	NRI
DCA1081-2-G VOL	ELL SEAM-MAX (U (DN FROM FW-3)	ISI-DCA-108-1	P-56	RHR	495039	04/17/95	N	NRI
DCA1081-3-B SUR	PIPE SEAM (UP FROM 3-A)	ISI-DCA-108-1		RHR	495023	04/14/95	N	NRI
DCA1081-3-B VOL	PIPE SEAM (UP FROM 3-A)	ISI-DCA-108-1	P-56	RHR	495024	04/17/95	N	NRI
DCA1081-3-B SUR	PIPE SEAM (DN FROM FW-5)	ISI-DCA-108-1		RHR	495042	04/14/95	N	NRI
DCA1081-3-B VOL	PIPE SEAM (DN FROM FW-5)	ISI-DCA-108-1	P-56	RHR	495043	04/18/95	N	NRI
DCA1081-3-D SUR	ELL SEAM-MAX (DN FROM 3-A)	ISI-DCA-108-1		RHR	495025	04/14/95	N	NRI
DCA1081-3-D VOL	ELL SEAM-MAX (DN FROM 3-A)	ISI-DCA-108-1	P-56	RHR	495026	04/17/95	N	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.12

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM SYSTEM ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP ----	NCR NO -----				RESOLUTION -----
DCA1081-3-D SUR	ELL SEAM-MAX (UP FROM FW-6)	ISI-DCA-108-1		RHR	495044	04/14/95	N	NRI
DCA1081-3-D VOL	ELL SEAM-MAX (UP FROM FW-6)	ISI-DCA-108-1	P-56	RHR	495045	04/18/95	N	NRI
DCA1081-3-E SUR	ELL SEAM-MIN (DN FROM 3-A)	ISI-DCA-108-1		RHR	495027	04/13/95	N	NRI
DCA1081-3-E VOL	ELL SEAM-MIN (DN FROM 3-A)	ISI-DCA-108-1	P-56	RHR	495028	04/17/95	N	NRI
DCA1081-3-E SUR	ELL SEAM-MIN (UP FROM FW-6)	ISI-DCA-108-1		RHR	495046	04/14/95	N	NRI
DCA1081-3-E VOL	ELL SEAM-MIN (UP FROM FW-6)	ISI-DCA-108-1	P-56	RHR	495047	04/18/95	N	NRI
DCA1111-1-H SUR	PIPE SEAM (DN FROM FW-2)	ISI-DCA-111-1		RHR	495029	04/14/95	N	NRI
DCA1111-1-H VOL	PIPE SEAM (DN FROM FW-2)	ISI-DCA-111-1	P-13	RHR	495030	04/19/95	N	NRI
DCA1411-1-C VOL	PIPE SEAM (DN FROM FW-A20)	ISI-DCA-141-1	P-5	RR	645015	04/13/95	N	NRI
DCA1411-1-C SUR	PIPE SEAM (DN FROM FW-A20)	ISI-DCA-141-1		RR	645016	04/13/95	N	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.12

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP -----	SYSTEM ----- NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
VRRB311-10-L SUR	ELL SEAM-MAX (UP FROM FW-A3)	ISI-VRR-B31-1		RR	645017	04/10/95	N	NRI
VRRB311-10-L VOL	ELL SEAM-MAX (UP FROM FW-A3)	ISI-VRR-B31-1	P-79	RR	645018	04/10/95	N	NRI
VRRB311-10-M SUR	ELL SEAM-MIN (DN FROM FW-A3)	ISI-VRR-B31-1		RR	645019	04/10/95	N	NRI
VRRB311-10-M VOL	ELL SEAM-MIN (DN FROM FW-A3)	ISI-VRR-B31-1	P-79	RR	645020	04/10/95	N	NRI
VRRB311-14-P SUR	PIPE SEAM (DN FROM FW-A4)	ISI-VRR-B31-1		RR	645021	04/10/95	N	NRI
VRRB311-14-P VOL	PIPE SEAM (DN FROM FW-A4)	ISI-VRR-B31-1	P-79	RR	645022	04/10/95	N	NRI
VRRB311-14-Q SUR	ELL SEAM-MIN (UP FROM FW-A5)	ISI-VRR-B31-1		RR	645023	04/19/95	N	NRI
VRRB311-14-Q VOL	ELL SEAM-MIN (UP FROM FW-A5)	ISI-VRR-B31-1	P-79	RR	645024	04/13/95	N	NRI
VRRB311-14-R SUR	ELL SEAM-MAX (UP FROM FW-A5)	ISI-VRR-B31-1		RR	645025	04/19/95	N	NRI
VRRB311-14-R VOL	ELL SEAM-MAX (UP FROM FW-A5)	ISI-VRR-B31-1	P-79	RR	645026	04/13/95	N	NRI



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
 LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J ITEM: B9.12

CID ----	DESC ----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP ----	NCR NO -----				RESOLUTION -----
TALLY ITEM B9.12	40							

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-J

ITEM: B9.40

CID	DESC	ISI ISO	CAL BLOCK	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT	INDICATION
EXAM TYPE	MEMO		LOOP	NCR NO				RESOLUTION
SPDCA1064-FW-4 SUR	PB-E	ISI-SPDCA-106-4		SBLC	535001	04/19/95	Y	NRI
SPDCA1064-FW-5 SUR	E-PB	ISI-SPDCA-106-4		SBLC	535002	04/19/95	Y	NRI
SPDCA1064-FW-6 SUR	PB-E	ISI-SPDCA-106-4		SBLC	535003	04/19/95	Y	NRI
TALLY ITEM B9.40 3								
TALLY CDECAT B-J 106								

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
 LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-K

ITEM: B10.30

CID ---	DESC ---	ISI ISO ---	CAL BLOCK ---	SYSTEM ---	EXAM NO ---	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
1P401A-HW3 SUR	BRKT/HA5	ISI-VRR-B31-1-H		RR	645030	04/13/95	Y	NRI

TALLY ITEM B10.30 1
 TALLY CDECAT B-K 1

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-M-2 ITEM: B12.50

CID ----	DESC -----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
HV1F002 VT-3	VALVE INT SUR			HPCI	001-95	04/13/95	Y	NRI
HV1F015B VT-3	VALVE INT SUR			RHR	009-95	04/26/95	Y	NRI

TALLY ITEM B12.50 2
TALLY CDECAT B-M-2 2



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-N-1 ITEM: B13.10

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM NCR NO ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----					RESOLUTION -----
N3A UNCLAD AREAS VT-3	UNCLAD INT SURF		A	RPV-I	625226	04/18/95	Y	NRI
N3B UNCLAD AREAS VT-3	UNCLAD INT SURF		B	RPV-I	625227	04/18/95	Y	NRI
N3C UNCLAD AREAS VT-3	UNCLAD INT SURF		C	RPV-I	625228	04/18/95	Y	NRI
N3D UNCLAD AREAS VT-3	UNCLAD INT SURF		D	RPV-I	625229	04/18/95	Y	NRI
N4A UNCLAD AREAS VT-3	UNCLAD INT SURF		A	RPV-I	625230	04/18/95	Y	NRI
N4B UNCLAD AREAS VT-3	UNCLAD INT SURF		B	RPV-I	625231	04/18/95	Y	NRI
N4C UNCLAD AREAS VT-3	UNCLAD INT SURF		C	RPV-I	625232	04/18/95	Y	NRI
N4D UNCLAD AREAS VT-3	UNCLAD INT SURF		D	RPV-I	625233	04/18/95	Y	NRI
N4E UNCLAD AREAS VT-3	UNCLAD INT SURF		E	RPV-I	625234	04/18/95	Y	NRI
N4F UNCLAD AREAS VT-3	UNCLAD INT SURF		F	RPV-I	625235	04/18/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-N-1

ITEM: B13.10

CID	DESC	ISI	CAL	SYSTEM	EXAM	ANII	PROGRAM	INDICATION
----	----	ISO	BLOCK	-----	NO	SIGN-OFF	CREDIT	-----
EXAM TYPE	MEMO	-----	LOOP	NCR NO	-----	-----	-----	RESOLUTION
-----	-----	-----	-----	-----	-----	-----	-----	-----
TALLY ITEM B13.10	10							
TALLY CDECAT B-N-1	10							



1

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
 LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-N-2 ITEM: B13.20

<u>CID</u>	<u>DESC</u>	<u>ISI</u>	<u>CAL</u>	<u>SYSTEM</u>	<u>EXAM</u>	<u>ANII</u>	<u>PROGRAM</u>	<u>INDICATION</u>
<u>-----</u>	<u>-----</u>	<u>ISO</u>	<u>BLOCK</u>	<u>-----</u>	<u>NO</u>	<u>SIGN-OFF</u>	<u>CREDIT</u>	<u>-----</u>
<u>EXAM TYPE</u>	<u>MEMO</u>	<u>----</u>	<u>LOOP</u>	<u>NCR NO</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>RESOLUTION</u>
<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
SURV SPEC BRKT 1B VT-1	RPV ATTACH WELD	C-199587 SH 2		RPV-I	625236	04/18/95	Y	NRI

TALLY ITEM B13.20 1

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-N-2 ITEM: B13.30

CID ----	DESC ----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
BAFFLE PLATE WELD VT-3	RPV ATTACH WELD	C-199587 SH 2		RPV-I	625237	04/18/95	Y	NRI
DRYER SUP BRKT A VT-3	RPV ATTACH WELD	C-199587 SH 1		RPV-I	625238	04/14/95	Y	NRI
DRYER SUP BRKT B VT-3	RPV ATTACH WELD	C-199587 SH 1		RPV-I	625239	04/14/95	Y	NRI
DRYER SUP BRKT C VT-3	RPV ATTACH WELD	C-199587 SH1		RPV-I	625240	04/14/95	Y	NRI
DRYER SUP BRKT D VT-3	RPV ATTACH WELD	C-199587 SH 1		RPV-I	625241	04/14/95	Y	NRI
GUIDE ROD BRKT A VT-3	RPV ATTACH WELD	C-199587 SH 1		RPV-I 0950064	625279		N	DAMAGE ASSESS INFO ONLY
N4A BRKT WELD A VT-3	RPV ATTACH WELD	C-199587 SH 1	A	RPV-I	625242	04/14/95	Y	NRI
N4A BRKT WELD B VT-3	RPV ATTACH WELD	C-199587 SH 1	A	RPV-I	625243	04/14/95	Y	NRI
N4B BRKT WELD A VT-3	RPV ATTACH WELD	C-199587 SH 1	B	RPV-I	625244	04/14/95	Y	NRI
N4B BRKT WELD B VT-3	RPV ATTACH WELD	C-199587 SH 1	B	RPV-I	625245	04/14/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-N-2 ITEM: B13.30

<u>CID</u>	<u>DESC</u>	<u>ISI</u>	<u>CAL</u>	<u>SYSTEM</u>	<u>EXAM</u>	<u>ANII</u>	<u>PROGRAM</u>	<u>INDICATION</u>
<u>-----</u>	<u>-----</u>	<u>ISO</u>	<u>BLOCK</u>	<u>-----</u>	<u>NO</u>	<u>SIGN-OFF</u>	<u>CREDIT</u>	<u>-----</u>
<u>EXAM TYPE</u>	<u>MEMO</u>	<u>----</u>	<u>LOOP</u>	<u>NCR NO</u>	<u>----</u>	<u>-----</u>	<u>-----</u>	<u>RESOLUTION</u>
<u>-----</u>	<u>-----</u>	<u>----</u>	<u>----</u>	<u>----</u>	<u>----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>
N4C BRKT WELD A VT-3	RPV ATTACH WELD	C-199587 SH 1	C	RPV-I	625246	04/14/95	Y	NRI
N4C BRKT WELD B VT-3	RPV ATTACH WELD		C	RPV-I	625247	04/14/95	Y	NRI
N5A BRKT WELD A VT-3	RPV ATTACH WELD	C-199587 SH 1		RPV-I	625248	04/18/95	Y	NRI
N5A BRKT WELD B VT-3	RPV ATTACH WELD	C-199587 SH 1		RPV-I	625249	04/18/95	Y	NRI
N5A BRKT WELD C VT-3	RPV ATTACH WELD	C-199587 SH 1		RPV-I	625250	04/18/95	Y	NRI
SURV SPEC BRKT 1A VT-3	RPV ATTACH WELD	C-199587		RPV-I	625251	04/18/95	Y	NRI

TALLY ITEM B13.30 16

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: B-N-2 ITEM: B13.40

CID ----	DESC -----	ISI ISO ---	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
BAFFLE PLATE VT-3	CORE SUPPORT			RPV-I	625252	04/18/95	Y	NRI
SHROUD ACCS CVR 0 VT-1	0 ACSS HOLE C			RPV-I	625253	04/18/95	Y	NRI
SHROUD ACCS CVR 180 VT-1	180 ACSS HOLE C			RPV-I	625254	04/18/95	Y	NRI
SHROUD SUPPORT VT-3	CORE SUPPORT	C-199587 SH 1&2		RPV-I	625255	04/29/95	Y	NRI
SHROUD-TOP GUIDE VOL	SHROUD-TG SUP W			RPV-I 0950097	625256	05/11/95	Y	CRACKING U.A.I.

TALLY ITEM B13.40 5
TALLY CDECAT B-N-2 22

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: C-F-1 ITEM: C5.11

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
DCA1091-FW-1 SUR	P-V	ISI-DCA-109-1	P-33 A	CS	063-94	12/07/94	Y	NRI
DCA1091-FW-1 VOL	P-V	ISI-DCA-109-1	P-33 A	CS	066-94	12/07/94	Y	NRI

TALLY ITEM C5.11 2
TALLY CDECAT C-F-1 2

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: C-F-2 ITEM: C5.51

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP	SYSTEM NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION RESOLUTION -----
VBB1021-FW-1 VOL	P-E	ISI-VBB-102-1	P-20	CRD	555001	04/14/95	Y	NRI
VBB1021-FW-1 SUR	P-E	ISI-VBB-102-1		CRD	555002	04/13/95	Y	NRI
GBB1013-3A-B SUR	P-P	ISI-GBB-101-3	A	CS	064-94	12/07/94	Y	NRI
GBB1013-3A-B VOL	P-P	ISI-GBB-101-3	P-34 A	CS	065-94	12/07/94	Y	NRI
DBB1191-2A-E SUR	E-P	ISI-DBB-119-1		HPCI	525002	04/13/95	Y	NRI
DBB1021-FW-10 SUR	SWOL-P	ISI-DBB-102-1		MS	835027	04/13/95	Y	NRI
DBB1021-FW-10 VOL	SWOL-P	ISI-DBB-102-1	P-20	MS	835028	04/26/95	Y	GEOMETRIC ACCEPT
DBB1021-FW-8 SUR	E-P	ISI-DBB-102-1		MS	835029	04/03/95	Y	NRI
DBB1021-FW-8 VOL	E-P	ISI-DBB-102-1	P-63	MS	835030	04/03/95	Y	ROOT GEOMETRY ACCEPT
DBB1021-7-A SUR	P-E	ISI-DBB-102-1		MS	835031	04/03/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
 LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: C-F-2 ITEM: C5.51

CID ----	DESC ----	ISI ISO ----	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
DBB1021-7-A VOL	P-E	ISI-DBB-102-1	P-63	MS	835032	04/03/95	Y	NRI

TALLY ITEM C5.51 11

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: C-F-2 ITEM: C5.81

CID	DESC	ISI	CAL	SYSTEM	EXAM	ANII	PROGRAM	INDICATION
----	----	ISO	BLOCK	-----	NO	SIGN-OFF	CREDIT	-----
EXAM TYPE	MEMO	----	LOOP	NCR NO	-----	-----	-----	RESOLUTION
-----	-----	-----	-----	-----	-----	-----	-----	-----
DBB1021-8-8 SUR	P-SWOL	ISI-DBB-102-1		MS	835033	04/03/95	Y	NRI

TALLY ITEM C5.81 1
TALLY CDECAT C-F-2 12

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A

ITEM: F1.10A

CID	DESC	ISI	CAL	SYSTEM	EXAM	ANII	PROGRAM	INDICATION
-----	-----	ISO	BLOCK	-----	NO	SIGN-OFF	CREDIT	-----
EXAM TYPE	MEMO	-----	LOOP	NCR NO	-----	-----	-----	RESOLUTION
-----	-----	-----	-----	-----	-----	-----	-----	-----
DCA1091-H-X16A VT-3	FLUED HEAD	ISI-DCA-109-1	A	CS	069-94	12/07/94	Y	NRI

TALLY ITEM F1.10A 1

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A

ITEM: F1.10R

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM NCR NO ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION RESOLUTION -----
DBA1051-H14 VT-3	SWAY ST	ISI-DBA-105-1-H		RCIC	505007	04/24/95	Y	NRI
SPDCA1064-H34 VT-3	GUIDE	ISI-SPDCA-106-4		SBLC	535004	04/19/95	Y	NRI

TALLY ITEM F1.10R 2



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A

ITEM: F1.10S

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM NCR NO ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION RESOLUTION -----
DBA1021-H10 VT-3	SNUB MECH	ISI-DBA-102-1-H		HPCI	525003	04/24/95	Y	NRI
MST0221-H55 VT-3	SPRST	ISI-MST-022-1-H		MS	835036	04/13/95	Y	NRI
DBA1051-H2 VT-3	VAR SUP	ISI-DBA-105-1-H		RCIC	505008	04/24/95	Y	NRI
DBA1051-H7 VT-3	SNUB MECH	ISI-DBA-105-1-H		RCIC	505010	04/24/95	Y	NRI
DCA1081-H6 VT-3	SNUB MECH	ISI-DCA-108-1		RHR	495031	04/19/95	Y	NRI
RWS1001-HA2 VT-3	VAR SUP	ISI-VRR-B31-1-H		RR	645031	04/10/95	Y	NRI
RWS1001-H25 VT-3	SNUB MECH	ISI-VRR-B31-1-H		RR	645032	04/06/95	Y	NRI
DBA1011-H27 VT-3	VAR SUP	ISI-DBA-101-1-H		RWCU	615007	04/10/95	Y	NRI
DBA1011-H9 VT-3	SNUB MECH	ISI-DBA-101-1-H		RWCU	615008	04/19/95	Y	NRI
DCA1021-H7 VT-3	SNUB MECH	ISI-DCA-102-1-H		RWCU	615009	04/10/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
 LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A ITEM: F1.10S

CID ----- EXAM TYPE -----	DESC ----- MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP -----	SYSTEM ----- NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
TALLY ITEM F1.10S 10								

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A

ITEM: F1.20A

CID	DESC	ISI	CAL	SYSTEM	EXAM	ANII	PROGRAM	INDICATION
----	----	ISO	BLOCK	-----	NO	SIGN-OFF	CREDIT	-----
EXAM TYPE	MEMO		LOOP	NCR NO				RESOLUTION
-----	-----		----	-----				-----
GBB1014-H35 VT-3	ANCHOR	ISI-GBB-101-4-H		CS	515007	02/08/95	Y	NRI

TALLY ITEM F1.20A 1

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM -- AS OF: 07/17/95

CODE CATEGORY: F-A

ITEM: F1.20R

CID ----- EXAM TYPE -----	DESC MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP -----	SYSTEM NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION RESOLUTION -----
VBB1021-H03 VT-3	RIGID SUP	ISI-VBB-102-1		CRD	555003	04/10/95	Y	NRI
VBB1022-H04 VT-3	RIGID SUP	ISI-VBB-102-2		CRD	555004	04/10/95	Y	NRI
GBB1011-H21 VT-3	SWAY ST	ISI-GBB-101-1-H	A	CS	068-94	12/07/94	Y	NRI
HBB1042-H38 VT-3	SWAY ST	ISI-HBB-104-2-H		CS	515008	02/08/95	Y	NRI
DBB1021-H14 VT-3	RIGID SUP	ISI-DBB-102-1-H		MS	835037	04/03/95	Y	NRI

TALLY ITEM F1.20R 5

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A

ITEM: F1.20S

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
GBB1014-H7 VT-3	VAR SUP	ISI-GBB-101-4-H	B	CS	515009	02/08/95	Y	NRI
DBB1021-H4 VT-3	SNUB MECH	ISI-DBB-102-1-H		MS	835038	04/06/95	Y	NRI

TALLY ITEM F1.20S 2

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A

ITEM: F1.30R

CID ----- EXAM TYPE -----	DESC ----- MEMO -----	ISI ISO ----	CAL BLOCK ----- LOOP -----	SYSTEM ----- NCR NO -----	EXAM NO -----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION ----- RESOLUTION -----
HRC0221-H11 VT-3	GUIDE	ISI-HRC-022-1-H		ESW	545002	04/14/95	Y	NRI
HRC1051-H08 VT-3	SWAY ST	ISI-HRC-105-1-H		ESW	545003	04/06/95	Y	NRI
HRC1061-H23 VT-3	SWAY ST	ISI-HRC-106-1-H		ESW	545004	04/14/95	Y	NRI
HCC1032-H22 VT-3	SWAY ST	ISI-HCC-103-2-H	B	FPC	355001	04/06/95	Y	NRI
GBC10111-H172 VT-3	SWAY ST	ISI-GBC-101-11-H		MS	835039	04/25/95	Y	NRI
HRC1122-H14 VT-3	RIGID SUP	ISI-HRC-112-2-H		RHRWS	165002	04/10/95	Y	NRI

TALLY ITEM F1.30R 6

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A

ITEM: F1.30S

CID ----	DESC ----	ISI ISO ----	CAL BLOCK ----	SYSTEM ----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO ----		LOOP ----	NCR NO -----				RESOLUTION -----
HCC1032-H20 VT-3	VAR SUP	ISI-HCC-103-2-H	B	FPC	355002	04/06/95	Y	NRI
GBC10102-H125 VT-3	SNUB MECH	ISI-GBC-101-2-H		MS	835040	04/26/95	Y	NRI
GBC10103-H273 VT-3	SNUB MECH	ISI-GBC-101-3-H		MS	835041	04/24/95	Y	NRI
GBC10105-H40 VT-3	VAR SUP	ISI-GBC-101-5-H		MS	835042	04/26/95	Y	NRI
GBC10109-H47 VT-3	VAR SUP	ISI-GBC-101-9-H		MS	835043	04/14/95	Y	NRI

TALLY ITEM F1.30S 5

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A

ITEM: F1.40

CID ----	DESC ----	ISI ISO ---	CAL BLOCK -----	SYSTEM -----	EXAM NO ----	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
1P-206A SUP VT-3	ANCHOR BOLTS	ISI-IP-206		CS	067-94	12/07/94	Y	NRI
1P-203 SUP VT-3	ANCHOR BOLTS	ISI-HBB-103-1		RCIC	505011	04/19/95	Y	NRI
RWS1001-HA5 VT-3	VAR SUP/1P-401A	ISI-VRR-B31-1-H		RR	645033	04/06/95	Y	NRI
RWS1001-HA6 VT-3	CONST SUP/1P-40	ISI-VRR-B31-1-H		RR	645034	04/06/95	Y	NRI
RWS1001-HA7 VT-3	VAR SUP/1P-401A	ISI-VRR-B31-1-H		RR	645035	04/06/95	Y	NRI
RWS1001-H46 VT-3	SNUB MECH/1P-40	ISI-VRR-B31-1-H		RR	645036	04/03/95	Y	NRI
RWS1001-H47 VT-3	SNUB MECH/1P-40	ISI-VRR-B31-1-H		RR	645037	04/03/95	Y	NRI
RWS1001-H48 VT-3	RIGID SUP/1P-40	ISI-VRR-B31-1-H		RR	645038	04/06/95	Y	NRI
RWS1001-H49 VT-3	SNUB MECH/1P-40	ISI-VRR-B31-1-H		RR	645039	04/03/95	Y	NRI
RWS1001-H50 VT-3	RIGID SUP/1P-40	ISI-VRR-B31-1-H		RR	645040	04/03/95	Y	NRI

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
 LIST OF EXAMS - EIGHTH REFUELING OUTAGE

OUTAGE SUMMARY REPORT - SORTED BY CODE CATEGORY AND ITEM - - AS OF: 07/17/95

CODE CATEGORY: F-A ITEM: F1.40

CID ---	DESC -----	ISI ISO ---	CAL BLOCK -----	SYSTEM -----	EXAM NO ---	ANII SIGN-OFF -----	PROGRAM CREDIT -----	INDICATION -----
EXAM TYPE -----	MEMO -----		LOOP -----	NCR NO -----				RESOLUTION -----
TALLY ITEM F1.40	10							
TALLY CDECAT F-A	42							

TOTAL: 472

SNUBBER TESTING DETAILED LISTING

SNUBBER FUNCTIONAL TESTING LISTING

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
DBA 101H 8	03577	3	Y40141		X		X	0			X
DBA 101H 9	03594	3	Y40141		X		X	0			X
DBA 101H 10	03570	3	Y40142		X		X	0			X
DBA 101H 15	19514	3	Y40142		X		X	0			X
DBA 101H 19	04583	3	Y40142		X		X	0			X
DBA 101H 20	19392	3	Y40142		X		X	0			X
DBA 101H 21	04571	3	Y40142		X		X	0			X
DBA 101H 35	04144	3	Y40141		X		X	0			X
DBA 101H 36	05254	3	Y40141		X		X	0			X
DBA 101H 40	00108	.05	Y40143		X		X	0			X
DBA 101H 46	20788 CS F 2, L 2, R 2	1	Y40141	H40361	03/27/95	5	03/27/95	1113	PASS		04/28/95

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
DBA 101H 47A	00318	3L	Y40141		X		X	0			X
DBA 101H 47B	00317	3L	Y40141		X		X	0			X
DBA 102H 6	00101	.12	Y40144		04/19/95		X	0			04/20/95
	CS F 4, L 4, R										
DBA 102H 7	00102	.12	Y40144		04/19/95		X	0			04/20/95
	CS F 4 3/8, L 4 3/8, R										
DBA 102H 10	01361	35	Y40145		04/18/95	341	04/18/95	711	PASS		04/21/95
	CS F 2 1/2, L 2 1/2, R 2 1/2										
DBA 102H 12	03234	35	Y40145		04/18/95	346	04/18/95	942	PASS		04/21/95
	CS F 3, L 4 1/2, R 4 1/2										
1 PIVOT PIN											
DBA 105H 4A	02815	10	Y40146		X		X	0			X
DBA 105H 4B	12267	10	Y40146		X		X	0			X
DBA 105H 6A	06827	3	Y40146		X		X	0			X
DBA 105H 6B	06826	3	Y40146		X		X	0			X
DBA 105H 7	03180	10	Y40146		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
DBB 104H 7B	00590	35	Y40154		04/14/95	286	04/14/95	1358	PASS		04/24/95
	CS F 2 5/8, L 2 5/8,		R 2								
DBB 104H 13A	01535	35	Y40154		04/14/95	308	04/15/95	1202	PASS		04/24/95
	CS 4, L 3 7/8, R 4										
1 PIVOT PIN											
DBB 104H 13B	01532	35	Y40154		04/14/95	307	04/15/95	1140	PASS		04/24/95
	CS F 4, L 4,		R 4 1/4								
DBB 104H 15	00108	3L	Y40155		04/17/95	340	04/17/95	1906	PASS		04/21/95
	CS F 6 1/4, L 6,		R 6								
DBB 104H 18	02422	100	Y40156		04/13/95	282	04/14/95	1131	DEGRADE	00552	04/25/95
	CS F 4 3/4, L 5,		R 4 3/4								
STROKE TEST UNACCEPTABLE											
DBB 105H 2	00364	100	Y40051 S		04/12/95	241	04/12/95	1727	PASS		04/24/95
	CS F 7/8, L 7/8,		R 1 1/4								
DBB 105H 9	03036	35	Y40157		04/18/95	358	04/18/95	1541	PASS		04/21/95
	CS F 3 1/8, L 3, R 3										
2 WASHERS											
DBB 109H 16	07330	3	Y40158		04/15/95	310	04/15/95	1339	PASS		04/20/95
	CS 2 7/8, L 3,		R 2 3/4								
1 LOAD STUD											
DBB 109H 21	00139	.05	Y40159		04/18/95	363	04/18/95	1919	PASS		04/21/95
	CS F 3 1/2, L 3 1/2, R 3 1/2										
DBB 109H 22	00104	.05	Y40159		04/18/95	362	04/18/95	1808	PASS		04/21/95
	CS F 3 1/2, L 3 1/2, R 3 1/2										
DBB 109H 25	02805	3	Y40160		04/15/95	311	04/15/95	1402	PASS		04/24/95
	CS F 2, L 2 9/16,		R 2								
2 SNAP RINGS											

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
DBB 114H 25	00104	.12	Y40161		X		X	0			X
DBB 114H 26	00103	.12	Y40161		X		X	0			X
DBB 114H 27	00105	.12	Y40052	S	03/28/95	56	03/29/95	1653	PASS		04/20/95
OIL ON INNER TUBE CS F 4, L 4 1/16, R 4											
DBB 114H 28	00107	.05	Y40162	S	04/18/95	364	04/18/95	1959	PASS		04/21/95
CS F 4, L 4 1/8, R 4											
DBB 117H 2	14193	10	Y40163		04/13/95	264	04/13/95	1517	PASS		04/14/95
CS F 2 7/8, L2 7/8, R2 3/4											
DBB 117H 5	08707	10	Y40053	S	03/28/95	40	03/28/95	1323	FAIL	08707	04/15/95
CAPSTAN SPRING REPAIRED & RETESTED CS F 3, L 3, R 3											
DBB 117H 8	08708	10	Y40053	S	03/28/95	38	03/28/95	1107	PASS		04/15/95
CS F 2 3/8, L2 3/8, R 2 3/8											
DBB 120H 2	03218	35	Y40164		04/13/95	244	04/13/95	739	PASS		04/14/95
CS F 3 1/2, L3 1/2, R3 1/4											
DBB 120H 3	13664	10	Y40164		04/13/95	271	04/13/95	1818	PASS		04/14/95
CS F 3 1/4, L3 1/8, R3 1/4											
DBB 120H 8	04358	10	Y40054	S	03/28/95	39	03/28/95	1143	PASS		04/15/95
CS F 3 1/2, L3 1/2, R 3 1/2											
DBB 120H 17A	02825	3	Y40165		04/13/94	261	04/13/95	1412	PASS		04/18/95
CS F 1 1/2, L 1, R 1 1/2											

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
DBC 101H 17	00360	3L	Y40169		04/17/95	318	04/17/95	900	PASS		04/22/95
	CS F 5 3/4, L 5 3/4, R 3 1/2										
DBC 101H 18	17222	1	Y40169		04/17/95	335	04/17/95	1800	PASS		04/22/95
	CS 1 1/2, L 1 1/2, R 1 1/2										
1 RED WASHER											
DBC 102H 17	03626	1	Y40170		04/19/95		X	0			04/22/95
	CS F 1 1/2, L 1 7/16										
2 RED WASH, 2 SNAP RING, 1 PIVOT PIN											
DBD 101H 36A	01185	35	Y40171		04/17/95	327	04/17/95	1413	PASS		04/21/95
	CS F 1/2, L 1/2, R 1/2										
DBD 101H 36B	01170	35	Y40171		04/17/95	326	04/17/95	1355	PASS		04/21/95
	CS F 3 1/8, L 3, R 3										
DBD 101H 40	01177	35	Y40171		04/17/95	328	04/17/95	1431	PASS		04/21/95
	CS F 2 1/2, L 2 1/2, R 2 1/2										
DBD 101H 41	08622	35	Y40059 R		03/28/95	50	03/29/95	756	PASS		04/17/95
	CS F 2 5/8, L 2 5/8, R 2 1/2										
DBD 101H 46	08638	35	Y40172		04/12/95	222	04/12/95	733	PASS		04/14/95
	CS F 3, L 3, R 3										
DBD 101H 48	13396	10	Y40173		04/15/95	312	04/15/95	1416	PASS		04/22/95
	CS F 3 1/2, L 3 1/2, R 3 1/2										
DBD 101H 53A	08632	35	Y40174		04/12/95	239	04/12/95	1653	PASS		04/15/95
	CS F 4, L 4 1/8, R 1										
DBD 101H 53B	08633	35	Y40174		04/13/95	247	04/13/95	838	PASS		04/15/95
	1HH NUT, CS 3 7/8, L 3 7/8, R 0										
1LOAD STUD, 1WASHER, 1SNAP RING, 1JAM NUT											

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
DCA 110H 19	01266 CS F 2, L 1 1/2, R 1 1/4	35	Y40062	S	04/06/95	154	04/07/95	748	PASS		04/08/95
DCA 110H 20	01341 CS F 1 1/2, L 1 3/4, R 1 1/4	35	Y40184		04/06/95	152	04/06/95	824	PASS		04/08/95
DCA 110H 21	01359 CS F 3 3/4, L 3 3/4, R3 3/4	35	Y40184		04/07/95	153	04/07/95	718	PASS		04/08/95
DCA 110H 26 2 WASHERS	11027 CS F 2 1/2, L 2 1/2, R 2 1/2	35	Y40062	S	04/06/95	155	04/07/95	816	PASS		04/08/95
DCA 110H 29 2 WASHERS, CS	01330 F 2 1/2, L 2 1/2, R 2 1/4	100	Y40063	F	03/29/95	65	03/30/95	826	PASS		04/06/95
DCA 110H 30	02607 CS F 1, L 1, R 1 1/2	35	Y40185		04/01/95	121	04/02/95	827	PASS		04/06/95
DCA 110H 32 1 JAM NUT, CS	01145 L 1 1/2, L 1 1/2, R 1 1/2	100	Y40063	S	03/29/95	66	03/30/95	946	PASS		04/06/95
DCA 111H 9	01164 CS F 2 1/4, L 2 1/2, R 2	10	H40338		03/26/95	11	03/26/95	1320	PASS		04/26/95
DCA 111H 11 SPHERICAL BUSHING	08697 CS F 3/4, L 1, F 1, R 1	10	H40338	R	03/26/95	6	03/26/95	1159	PASS		04/26/95
DCA 111H 12 2 SNAP RINGS	02498 CS F 1, L 2 3/8, R 1	10	Y40065	S	04/10/95	180	04/10/95	1510	PASS		04/26/95
DCA 111H 14 1 SNAP RING	03438 CS F 2 1/2, L2 5/8, R 2 1/2	10	Y40065	S	04/10/95	179	04/10/95	1445	FAIL	03438	04/26/95

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
DCA 111H 29	04581	10	Y40187		X		X	0			X
DCA 111H 37A	00962	10	H40338		03/27/95	16	03/27/95	1345	PASS		04/26/95
	CS F 3 3/8, L3 1/2, R 3 1/4			H40344							
DCA 111H 40	06802	3	Y40065	S	04/10/95	176	04/10/95	1356	PASS		04/26/95
	CS F 2 3/4, L2 3/4, R 2 1/4										
1 SNAP RING											
DLA 101H 4	01574	100	Y40066	S	04/02/95	123	04/02/95	1209	PASS		04/18/95
	CS F 2 3/4, L 3, R 2 3/4										
DLA 102H 2	03236	35	Y40188		X		X	0			X
DLA 102H 8B	00536	100	Y40188		X		X	0			X
DLA 102H 9A	02739	35	Y40188		X		X	0			X
DLA 102H 11	02756	35	Y40188		X		X	0			X
DLA 102H 12	09446	35	Y40188		X		X	0			X
DLA 102H 14	01356	35	Y40188		X		X	0			X
DLA 103H 4	02353	100	Y40189		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

<u>SNUBBER ID</u>	<u>SERIAL</u>	<u>SIZE</u>	<u>WA NO.</u>	<u>ORIGIN</u>	<u>REMOVED</u>	<u>JOHN EXAM</u>	<u>TEST DATE</u>	<u>TEST TIME</u>	<u>PASS FAIL</u>	<u>REPLACED S/NUM</u>	<u>REINSTALL DATE</u>
<u>MEMO1</u>				<u>CWO NO.</u>	<u>RCDE</u>						
<u>MEMO2</u>											
DLA 104H 6	02391	100	Y40189		X		X	0			X
DLA 104H 8B	00541	100	Y40189		X		X	0			X
DLA 104H 9A	11017	35	Y40189		X		X	0			X
DLA 104H 11	01167	35	Y40189		X		X	0			X
DLA 104H 12	02635	35	Y40189		X		X	0			X
DLA 104H 14	01350	35	Y40189		X		X	0			X
EBB 102H 4	13435	1/2	Y40067	S	03/28/95	47	03/28/95	1750	PASS		04/17/95
CS F 2, L 2, R 2 2 SNAP RING, 2 WASHERS											
EBB 102H 14	02616	1	Y40190		X		X	0			X
EBB 102H 15	04583	10	Y40067	F	03/28/95	43	03/28/95	1610	PASS		04/17/95
CS F 2 1/4, L 2 1/2, R 2 1/4 1 LOAD STUD, 2 HH NUTS, 2 JAM NUTS											
EBB 102H 23	04592	1	Y40190		X		X	0			X
EBD 102H 2A	02166	3	Y40191		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
EBD 102H 2B	02164	3	Y40191		X		X	0			X
EBD 102H 7	02822	10	Y40192		X		X	0			X
EBD 102H 8A	01174	35	Y40193		X		X	0			X
EBD 102H 8B	01173	35	Y40193		X		X	0			X
EBD 102H 10	01313	35	Y40193		X		X	0			X
EBD 102H 12A	02137	3	Y40194		X		X	0			X
EBD 102H 12B	02144	3	Y40194		X		X	0			X
EBD 102H 18A	00624	35	Y40195		X		X	0			X
EBD 102H 18B	00631	35	Y40195		X		X	0			X
EBD 102H 20	01314	35	Y40195		X		X	0			X
EBD 102H 22A	02185	3	Y40196		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
EBD 102H 22B	02189	3	Y40196		X		X	0			X
EBD 102H 29	06951	35	Y40197		X		X	0			X
EBD 102H 30	02081	10	Y40198		X		X	0			X
EBD 102H 31A	00577	35	Y40199		X		X	0			X
EBD 102H 31B	00580	35	Y40199		X		X	0			X
EBD 102H 32	01305	35	Y40199		X		X	0			X
EBD 102H 35	01317	35	Y40199		X		X	0			X
EBD 102H 36A	00960	10	Y40200		X		X	0			X
EBD 102H 36B	00959	10	Y40200		X		X	0			X
EBD 102H 38	01322	35	Y40201		X		X	0			X
EBD 102H 39	04584	10	Y40202		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
EBD 102H 45	02789	10	Y40202		X		X	0			X
EBD 102H 48A	02657	35	Y40068	S	04/10/95	183	04/10/95	1727	PASS		04/24/95
	CS F 2, L 2, R 2 1/2										
EBD 102H 48B	02656	35	Y40068	S	04/10/95	184	04/10/95	1754	PASS		04/24/95
	CS F 4 3/4, L4 5/8, R 5 1/4										
EBD 102H 52	02663	35	Y40203		X		X	0			X
EBD 102H 53A	00636	35	Y40203		X		X	0			X
EBD 102H 53B	00626	35	Y40203		X		X	0			X
EBD 102H 55A	00805	35	Y40204		X		X	0			X
EBD 102H 55B	00804	35	Y40204		X		X	0			X
EBD 102H 62A	06791	3	Y40068	S	04/10/95	177	04/10/95	1410	PASS		04/24/95
	CS F 2 5/8, L 2 5/8, R 2 3/4										
	1 SPHERICAL BUSHING										
EBD 102H 62B	06793	3	Y40068	S	04/10/95	178	04/10/95	1428	PASS		04/24/95
	CS F 2 5/8, L2 5/8, R 2 3/4										
EBD 102H 65A	00272	3L	Y40205		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
EBD 102H 65B	00273	3L	Y40205		X		X	0			X
EBD 102H 66A	00317	10L	Y40069	S	04/10/95	182	04/10/95	1654	PASS		04/21/95
	CS F 4 1/2, L4 1/2, R 4 1/2										
EBD 102H 66B	00316	10L	Y40069	S	04/10/95	181	04/10/95	1531	PASS		04/21/95
1 WASHER,	CS F 4 1/4, L4 3/8, R 4 1/4										
EBD 102H 67	02737	3	Y40206		X		X	0			X
EBD 109H 1	02153	1	Y40207		X		X	0			X
EBD 109H 2	00110	1L	Y40207		X		X	0			X
EBD 109H 4	19566	3	Y40207		X		X	0			X
EBD 110H 16	13758	10	Y40070	S	03/30/95	89	03/31/95	1316	PASS		04/24/95
	CS F 5 1/4, L 5 1/4, R 4 3/4										
EBD 110H 17	03783	3	Y40208		04/13/95	263	04/13/95	1456	PASS		04/25/95
	CS F 2 1/2, L2 5/8, R 2 1/4										
EBD 110H 18	04592	10	Y40208		04/13/95	273	04/14/95	709	PASS		04/25/95
	CS F 1, L 1, R 1										
EBD 113H 4	00168	3L	Y40071	F	03/30/95	90	03/30/95	1342	FAIL	00207	04/24/95
	CS F 4 1/4, L 4 1/4, R 4										

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MEMO1				CWO NO.	RCDE						
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MEMO2											

GBB 104H 21	01490	35	Y40075	S	03/13/95	13	03/14/95	608	PASS		03/14/95
	C/S L 2 1/2, AF 2 5/8, AR 2 1/2										
GBB 104H 26	01378	35	Y40214		04/11/95	215	04/11/95	1916	PASS		04/12/95
	CS F 2 1/4, L2 1/4, R2 1/2										
GBB 104H 31	08646	35	Y40214		04/11/95	219	04/11/95	2032	PASS		04/12/95
	CS F 2 5/8, L 2 5/8, R 3										
GBB 104H 40	04582	10	Y40215		04/11/95	194	04/11/95	1120	PASS		04/12/95
	CS F 3 3/4, L 3 3/4, R 3 3/4										
GBB 104H 47	02055	10	Y40076	S	03/29/95	55	03/29/95	1058	PASS		04/03/95
	1 WASH, 1 H HEX NUT, F4 1/2, L4 3/8, R4 1/4										
GBB 106H 9	08631	35	Y40216		03/30/95	87	03/31/95	939	PASS		04/03/95
	CS F 1 1/4, L 1 1/4, R 1 1/4										
GBB 106H 18	02552	35	Y40077	S	04/07/95	159	04/07/95	1334	PASS		04/11/95
	1 SNAP RING, CS F 2 5/8, L 2 1/2, R 2 3/4										
GBB 108H 3	02422	1	Y40217		04/02/95	131	04/02/95	1743	PASS		04/06/95
	CS F 1 3/4, L 1 7/8, R 1 3/4										
GBB 109H 24	03564	3	Y40218		04/02/95	129	04/02/95	1653	PASS		04/06/95
	CS F 2 3/8, L 2 3/8, R 2 1/4										
GBB 109H 25	03580	3	Y40218		04/02/95	130	04/02/95	1714	PASS		04/06/95
	CS F 2 1/2, L 2 3/4, R 2 1/4										
GBB 109H 30	03198	35	Y40078	S	03/13/95	14	03/14/95	642	PASS		03/14/95
	C/S L 3 9/16, AF 3 5/8, AR 3 5/8										

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
GBC 101H 102	03765	35	Y40223		X		X	0			X
GBC 101H 107	01544	35	Y40224		X		X	0			X
GBC 101H 115	01489	35	Y40224		X		X	0			X
GBC 101H 116	01534	35	Y40224		X		X	0			X
GBC 101H 119A	00911	35	Y40225		04/19/95		X	0			04/20/95
	CS F 2 3/8, L 1 7/8,										
GBC 101H 119B	00916	35	Y40225		04/19/95		X	0			04/20/95
	CS F 1 1/2, R L 1 13/16,										
GBC 101H 120	01250	35	Y40226		04/18/95	357	04/18/95	1517	PASS		04/21/95
	CS F 3 3/8, L3 1/4, R 3 1/4										
GBC 101H 122	09442	35	Y40224		X		X	0			X
GBC 101H 125A	00910	35	Y40225		X		X	0			X
GBC 101H 125B	00879	35	Y40225		X		X	0			X
GBC 101H 134	00886	35	Y40224		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
GBC 101H 137A	04578	10	Y40224		X		X	0			X
GBC 101H 137B	04579	10	Y40224		X		X	0			X
GBC 101H 141	00794	35	Y40224		X		X	0			X
GBC 101H 143A	01263	35	Y40081	S	04/11/95	243	04/13/95	715	PASS		04/20/95
	CS F 2 5/8, L 2 5/8, R 1 3/4										
GBC 101H 143B	01274	35	Y40081	S	04/11/95	229	04/12/95	1040	PASS		04/20/95
	CS F 2 3/8, L 2 1/4, R 1 1/4										
	2 SNAP RINGS										
GBC 101H 144	01235	35	Y40225		X		X	0			X
GBC 101H 147	01236	35	Y40224		04/18/95	367	04/18/95	2133	PASS		04/20/95
	CS F 2 1/8, L 2 1/4, R 2										
	1 PIVOT PIN										
GBC 101H 148	01248	35	Y40224		04/18/95	366	04/18/95	2117	PASS		04/20/95
	CS F 3 1/2, L 3 5/8, R3 1/2										
GBC 101H 154	02746	35	Y40082	S	03/29/95	67	03/30/95	1038	PASS		04/20/95
	CS F 1 5/8, L 1 1/2, R 1 1/2										
GBC 101H 157	00904	35	Y40224		X		X	0			X
GBC 101H 162	08635	35	Y40081	R	04/11/95	238	04/12/95	1637	PASS		04/20/95
	CS F 3 3/4, L 3 5/8, R 1 1/4										

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
GBC 101H 203	06964	35	Y40227		04/19/95	369	04/19/95	741	PASS		04/22/95
	CS F 3 5/8, L 3 3/4, R4 1/4										
GBC 101H 212	01231	35	Y40226		X		X	0			X
GBC 101H 217	01176	35	Y40226		04/18/95		X	0			04/21/95
	CS F 4, L 4,										
GBC 101H 218	06945	35	Y40226		X		X	0			X
GBC 101H 219A	01180	35	Y40082	S	03/29/95	64	03/30/95	800	PASS		04/20/95
	CS F 3 1/2, L 3 1/4, R 3 1/2										
GBC 101H 219B	01189	35	Y40082	S	03/29/95	62	03/30/95	714	PASS		04/20/95
	CS F 2 3/4, L 2 3/4, R 2 3/4										
GBC 101H 220A	02664	35	Y40082	S	03/29/95	58	03/29/95	1656	PASS		04/20/95
	CS F 2 5/8, L 2 1/2, R 2										
ID TAG PARTIALLY ATTACHED											
GBC 101H 220B	02658	35	Y40082	S	03/29/95	63	03/30/95	735	PASS		04/20/95
	CS F 2 1/2, L 2 1/2, R 1 1/4										
GBC 101H 221A	03726	35	Y40082	S	03/29/95	61	03/29/95	1848	PASS		04/20/95
	CS F 3 7/8, L 3 7/8, R 3 1/4										
GBC 101H 221B	01181	35	Y40082	S	03/29/95	59	03/29/95	1758	PASS		04/20/95
	CS F 2 1/8, L 2, R 2										
SPHER. BEAR DISLODGED											
GBC 101H 225	08643	35	Y40226		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
GBC 101H 231	01338 CS F 3 1/2, L 3 3/8,	35	Y40227		04/19/95		X	0			04/22/95
GBC 101H 232	01507 CS F 2 1/2, L 2 5/8,R1 3/4	35	Y40227		04/19/95	368	04/19/95	721	PASS		04/22/95
GBC 101H 233	01332 CS F 2, L 2, R 2	35	Y40227		04/19/95	372	04/19/95	833	PASS	10888	04/22/95
UNACCEPTABLE STROKE											
GBC 101H 237A	08618	35	Y40225		X		X	0			X
GBC 101H 237B	01357	35	Y40225		X		X	0			X
GBC 101H 242	01380	35	Y40227		X		X	0			X
GBC 101H 247	08648	35	Y40227		X		X	0			X
GBC 101H 253	01267 CS F 3 1/2,L3 1/2,R3 1/4	35	Y40227		04/19/95	375	04/19/95	1011	PASS		04/22/95
GBC 101H 254A	01353	35	Y40225		X		X	0			X
GBC 101H 254B	03182	35	Y40225		X		X	0			X
GBC 101H 255	01343 CS R 3	35	Y40082 S		03/29/95	57	03/29/95	1531	PASS		04/20/95

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
GBC 101H 262	01505	35	Y40228		X		X	0			X
GBC 101H 265	01389	35	Y40228		X		X	0			X
GBC 101H 272	06967	35	Y40081	S	04/11/95	223	04/12/95	749	PASS		04/20/95
CS F 1 1/2, L 1 1/2, R 1 1/4 L STUD, 2 WASH, 2 SNAP RING, 2 HH & JAM NUT											
GBC 101H 273	02632	35	Y40228		X		X	0			X
GBC 101H 276	03243	35	Y40228		X		X	0			X
GBC 101H 277B	06962	35	Y40228		X		X	0			X
GBC 101H 281	03261	35	Y40228		X		X	0			X
GBC 101H 318A	13666	10	Y40225		04/19/95		X	0			04/20/95
CS F 3 5/8, L 3 5/8,											
GBC 101H 318B	00383	10	Y40225		04/19/95		X	0			04/20/95
CS F 3 1/2, L 3 1/2											
GBC 101H 332	06950	35	Y40229		X		X	0			04/21/95
CS F 3 3/4, L 3 3/4											
GBC 105H 5A	02155	3	Y40230		03/31/95	93	03/31/95	1506	PASS		04/06/95
CS F 2 1/2, L 2 3/8, R 2 3/4											

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS --- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MEMO1				CWO NO.	RCDE						
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MEMO2											

GBC 105H	5B	02145	3	Y40230	03/31/95	92	03/31/95	1446	PASS		04/06/95
		CS F 2 1/2, L 2 1/2, R 2 1/2									
GBD 122H	5	00276	10L	Y40231	04/18/95	361	04/18/95	1633	PASS		04/21/95
		CS F2 7/8, L2 7/8, R3 1/2									
HBB 101H	2	07404	35	Y40232	04/13/95	246	04/13/95	820	PASS		04/15/95
		CS F 3, L 3 1/4, R 3									
HBB 103H	3	05007	1	Y40233	03/30/95	76	03/30/95	1454	PASS		03/31/95
		CS L 1 7/8, R 2									
HBB 107H	2A	00374	10	Y40234	04/11/95	195	04/11/95	1137	PASS		04/12/95
		CS F 3, L 3 1/8, R 2 3/4									
HBB 107H	2B	03110	35	Y40234	04/11/95	216	04/11/95	1942	PASS		04/12/95
		1 SNAP RING, CS F 2 7/8, L 2 7/8, R 3									
HBB 107H	4	08308	10	Y40235	04/11/95	191	04/11/95	1032	PASS		04/12/95
		CS F 2 1/8, L 2 1/8, R 1 1/2									
HBB 108H	1	08608	35	Y40236	04/13/95	245	04/13/95	800	PASS		04/15/95
		CS F 3, L 3, R 3									
HBB 108H	7	21107	1/4	Y40083 S	03/28/95	34	03/28/95	959	PASS		04/15/95
		CS F 1, L 7/8, R 1									
		1 WASHER, 1 SNAP RING									
HBB 108H	8	12205	1	Y40237	04/12/95	230	04/12/95	1148	PASS		04/14/95
		CS F 1 3/4, L1 3/4, R1 3/4									
HBB 109H	6	02807	35	Y40238	04/11/95	217	04/11/95	2002	PASS		04/12/95
		1 BUSHING, CS F 3, L 3, R 3									

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
HBC 13H 2 WASHERS	6A 04609	3 C/S R 1.75	Y40086	S	12/29/94	8	12/29/94	1039	PASS		12/29/94
HBC 13H 2 WASHERS	6B 07210	3 C/S R 1.5	Y40086	S	12/29/94	7	12/29/94	1013	PASS		12/29/94
HBC3302H	6 22813	1 CS L 1 3/8, R 1 1/2	Y40087	S	03/27/95	23	03/27/95	1653	PASS		03/29/95
HBD 101H	1 03089	35	Y40245		X		X	0			X
HBD 101H	3 01288	3	Y40246		X		X	0			X
HBD 101H	4 01277	3	Y40246		X		X	0			X
HBD 101H	5 00446	3	Y40246		X		X	0			X
HBD 101H	6 01225	10	Y40247		X		X	0			X
HBD 101H	8 04283	35	Y40245		X		X	0			X
HBD 101H	10A 04254	10	Y40247		X		X	0			X
HBD 101H	10B 04257	10	Y40247		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
HBD 101H 11	04937	3	Y40248		X		X	0			X
HBD 101H 12A	07096	3	Y40248		X		X	0			X
HBD 101H 12B	07095	3	Y40248		X		X	0			X
HBD 101H 14A	01287	10	Y40249		X		X	0			X
HBD 101H 14B	01249	10	Y40249		X		X	0			X
HBD 101H 16A	01242	10	Y40249		X		X	0			X
HBD 101H 16B	01221	10	Y40249		X		X	0			X
HBD 101H 17	00452	3	Y40248		X		X	0			X
HBD 101H 18	05841	1	Y40250		X		X	0			X
HBD 103H 1A	04351	10	Y40251		X		X	0			X
HBD 103H 1B	04347	10	Y40251		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS --- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE		
MEMO1				CWO NO.	RCDE								
MEMO2													
HBD 103H	3A	00233	1	Y40088	S		04/10/95	185	04/10/95	1823	FAIL	02419	04/21/95
	CS F 1 1/2, L 1 1/2, R 1 1/2												
	1 SPHERICAL BUSHING												
HBD 103H	3B	00234	1	Y40088			04/10/95	186	04/11/95	724	DEGRADE	18585	04/21/95
	CS F 1 1/2, L 1 9/16, R 1 1/2												
	1 SPHERICAL BUSHING												
HBD 103H	6A	01277	10	Y40251			X		X	0			X
HBD 103H	6B	01274	10	Y40251			X		X	0			X
HBD 103H	8A	01388	1	Y40252			X		X	0			X
HBD 103H	8B	01346	1	Y40252			X		X	0			X
HBD 103H	11A	04346	10	Y40253			X		X	0			X
HBD 103H	11B	04343	10	Y40253			X		X	0			X
HBD 103H	13A	00232	1	Y40254			X		X	0			X
HBD 103H	13B	18790	1	Y40254			X		X	0			X
HBD1053H	47	13411	1/2	Y40089	S		03/29/95	79	03/30/95	1544	PASS		04/21/95
	CS F 1 3/8, L 1 1/4, R 1 1/4												
	2 SNAP RINGS												

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS - DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
HCB 103H	6A 00963	10	Y40255		04/11/95	192	04/11/95	1048	PASS		04/12/95
	CS F 2 3/4, L 2 3/4, R 2 3/4										
HCB 103H	6B 04279	10	Y40255		04/11/95	193	04/11/95	1105	PASS		04/12/95
	CS F 2 5/8, L 2 3/4, R 2 3/4										
HCB 104H	7 14393	1/2	Y40256		03/30/95	75	03/30/95	1438	PASS		03/31/95
	1 SNAP RING, CS L 1 3/8, R 1 1/4										
HCD 112H	21 03873	1/2	Y40257		04/07/95	158	04/07/95	1053	FAIL	13456	04/08/95
	CS F 1 1/2, L 1 3/8, R 1 1/2										
HRC 14H	18 12201	1	Y40090	S	04/11/95	208	04/11/95	1612	PASS		04/12/95
	CS F 1 1/2, L 1 1/2, R 1 1/2										
HRC 123H	15 27958	1/4	Y40258		04/11/95	200	04/11/95	1300	DEGRADE	28832	04/12/95
	2 SNAP RINGS, CS F 2, L 2, R 2 1/4										
JRD 129H	16A 28854	1/4	Y40259		04/10/95	198	04/11/95	1234	PASS		04/12/95
	2 SNAP RINGS, CS F2 5/8, L2 9/16, R2 3/4										
JRD 129H	16B 28855	1/4	Y40259		04/10/95	197	04/1/195	1220	PASS		04/12/95
	2 SNAP RINGS, CS F 2 3/8, L 2 1/2, R2 1/2										
MSL 100H	1 01508	35	Y40091	R	04/10/95	315	04/17/95	747	PASS		04/24/95
	CS F 1 1/2, L 1 1/2, R 1 1/2										
	INDICATOR TUBE SCREW, PIVOT PIN										
MSL 100H	2 01638	35	Y40091	F	04/14/95	314	04/17/95	732	PASS		04/24/95
	CS F 3 1/2, L 3 3/8, R 3 3/4										
	2 H HEX NUT, 1 WASHER, 1 BUSHING										
MSL 100H	3 09515	35	Y40091	R	04/14/95	313	04/17/95	710	PASS		04/24/95
	CS F 3, L 2 5/8, R 2 1/4										

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS - DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
MSL 100H 7	06943	35	Y40091	R	04/20/95	378	04/20/95	1218	PASS		04/24/95
	CS F 4 5/8, L 4 5/8, R 4 1/2										
MSL 100H 9A	08611	35	Y40091	R	04/14/95	322	04/17/95	1122	PASS		04/24/95
	CS F 2 1/4, L2 5/16, R 2 1/4										
	INDICATOR, TUBE SCREW										
MSL 100H 9B	02583	35	Y40091	F	04/14/95	323	04/17/95	1142	PASS		04/24/95
	CS F 3, L 3, R 3										
	PIVOT PIN, INDICATOR TUBE SCREW										
MSL 100H 10A	06952	35	Y40091	R	04/20/95	377	04/20/95	1200	PASS		04/24/95
	CS F 2 3/4, L2 5/8, R 2 3/4										
	1 LOAD STUD										
MSL 100H 10B	01294	35	Y40091	R	04/20/95	376	04/20/95	1147	PASS		04/24/95
	CS F 2 1/2, L 2 1/4, R 2										
	INDICATOR TUBE SCREW										
MSL 100H 11A	08628	35	Y40091	F	04/14/95	330	04/17/95	1506	PASS		04/24/95
	CS F 3 1/8, L 3 1/4, R 3 1/4										
MSL 100H 11B	00968	35	Y40091	R	04/14/95	329	04/17/95	1448	PASS		04/24/95
	CS F 3 1/2, L 3 5/8, R 3 1/2										
	1 HH NUT										
MST 22H 11	04094	35	Y40092	S	04/01/95	118	04/02/95	653	PASS		04/21/95
	CS F 2 1/4, L2 3/8, R 2 1/2										
MST 22H 12	03642	35	Y40092	S	04/02/95	127	04/02/95	1520	PASS		04/21/95
	CS 2 1/4, L 2 3/8, R 2 1/4										
MST 22H 16	03265	35	Y40260		04/18/95		X	0			04/21/95
	CS F 3 1/8, L 2 3/4,										
MST 22H 17	00188	100	Y40260		04/18/95		X	0			04/21/95
	CS F 3 1/4, L 3 1/8										
	1 L STUD, 2 HH & JAM NUTS, 4 WASHERS										

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAM -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWD NO.	RCDE						
MEMO2											
MST 22H 19	04095	35	Y40092	S	04/11/95	226	04/12/95	949	PASS		04/21/95
	CS F 3 1/4, L 3 1/8, R 3										
	1 LOAD STUD, 1 JAM NUT, 1 HEAVY HEX NUT										
MST 22H 20	08605	35	Y40092	F	04/01/95	126	04/02/95	1456	PASS		04/21/95
	CS F 2 3/4, L 3, R 3 1/4										
MST 22H 22	00576	100	Y40261		04/18/95	356	04/18/95	1451	PASS		04/22/95
	MS F 2 3/8, L2 3/4, R 2 3/4										
	2 WASHERS										
MST 22H 24	08641	35	Y40262		03/30/95	98	03/31/95	1834	PASS		04/25/95
	CS F 3 1/4, L 3 1/4, 3 1/2			H40198							
	1 PIVOT PIN, 2 WASH, 2 SNAP RINGS										
MST 22H 27	03264	35	Y40092	S	04/01/95	125	04/02/95	1433	PASS		04/21/95
	CS F 3 1/4, L 3 1/4, R 1										
MST 22H 29	03263	35	Y40262		04/18/95	342	04/18/95	729	PASS		04/20/95
	CS F 2 1/2, L 2 3/4, R 2 3/4										
MST 22H 30	03267	35	Y40092	S	04/01/95	124	04/02/95	1407	PASS		04/21/95
	CS F 2 1/2, L 2 1/2, R 3 1/2										
MST 22H 31	03371	35	Y40092	S	03/30/95	85	03/31/95	753	PASS		04/25/95
	CS F 3 1/2, L 3 3/8, R 3/4			H40198							
MST 22H 32	04103	35	Y40262		04/18/95	343	04/18/95	747	PASS		04/20/95
	CS F 1 3/4, L 1 3/4, R 1 1/2										
	1 L STUD, 2 JAM NUTS, 2 HH NUTS										
MST 22H 35	06969	35	Y40092	S	04/01/95	120	04/02/95	802	PASS		04/21/95
	CS F 3, L 2 7/8, R 1 3/4										
	1 SNAP RING, 1 WASHER										
MST 22H 36A	04101	35	Y40263		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAM -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
MST 22H 36B	04108	35	Y40263		X		X	0			X
MST 22H 37	02025	100	Y40264		X		X	0			X
MST 22H 38	01799	100	Y40264		X		X	0			X
MST 22H 39	03373	35	Y40263		X		X	0			X
MST 22H 41	04125	35	Y40263		X		X	0			X
MST 22H 42A	04090	35	Y40265		04/18/95	345	04/18/95	831	PASS		04/22/95
	CS F 3 15/16, L 3 15/16, R 4										
MST 22H 42B	09525	35	Y40265		04/18/95	344	04/18/95	802	FAIL	10723	04/22/95
	CS F 3 1/4, L3 1/4, R 3 1/4										
	1 WASHER										
MST 22H 44	04124	35	Y40263		X		X	0			X
MST 22H 47	04091	35	Y40093	S	03/30/95	86	03/31/95	851	FAIL	06940	04/21/95
	CS F 3 1/2, L 3 1/2, R 3 1/2										
	1 LOAD STUD, 2 HH NUTS										
MST 22H 48	00566	100	Y40265		04/18/95	355	04/18/95	1423	PASS		04/22/95
	CS F 3 3/4, L3 5/8, R 3 3/4										
	1 L STUD, 2 HH & JAM NUTS, 3 WASHERS										
MST 22H 50	03377	35	Y40263		03/29/95	60	03/29/95	1823	PASS		04/25/95
	CS F 2 1/2, L 2 9/16, R 2 1/2			H40198							

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAM - DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MEMO1				CWO NO.	RCDE						
-----				-----	-----						
MEMO2											

RWS 100H 12	03484	35	Y40266		04/02/95	137	04/02/95	1108	PASS		04/06/95
1 SNAP RING, CS R 3, F 3 1/8, L 3 1/2 GRIND CLAMP											
RWS 100H 13	03370	35	Y40094	S	04/07/95	164	04/07/95	1700	PASS		04/08/95
CS F 2 5/8, L2 5/8, R 2 3/4											
RWS 100H 25A	04092	35	Y40267		04/03/95	142	04/04/95	1000	PASS		04/07/95
CS F 4, L 4, R 4 ID TAG PARTIAL ATTACH, SPHER BEAR DISLOGD											
RWS 100H 25B	04110	35	Y40267		04/03/95	141	04/04/95	822	PASS		04/08/95
CS F 3 1/2, L 3 1/2 R 3 1/2 ID TAG PARTIALLY MISSING											
RWS 100H 26A	04093	35	Y40095	S	04/07/95	165	04/07/95	1820	PASS		04/08/95
CS F 3 1/4, L 3 3/8, R 3 1/4											
RWS 100H 26B	04105	35	Y40095	S	04/07/95	163	04/07/95	1629	PASS		04/08/95
CS F 3 1/2, L 3 1/2, R 3 1/2											
RWS 100H 29	04090	35	Y40267		04/03/95	140	04/04/95	755	PASS		04/07/95
CS F 1 1/2, L 1 5/8, R1 1/2											
RWS 100H 30	04116	35	Y40267		04/03/95	139	04/04/95	726	PASS		04/07/95
CS F 1/2, L 2 1/2, R 2 1/2 SPHERICAL BEARING DISLOGGED TAIL EXTENTN											
RWS 100H 31	04123	35	Y40268		04/06/95	151	04/06/95	800	PASS		04/08/95
CS F 2 1/2, L 2 5/8, R 2 1/2											
RWS 100H 32	04126	35	Y40268		04/06/95	150	04/06/95	739	PASS		04/08/95
1 SNAP RING 1 WCS F 3 7/8, L 3 7/8, R 4 1 SNAP RING, 1 WASHER											
RWS 100H 33	03678	35	Y40267		04/03/95	145	04/04/95	1135	PASS		04/07/95
2 SNAP RINGS CS F 3, L 3, R 2 1/2											

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
RWS 100H 34 1 SNAP RING, CS F 2 3/4, L 2 5/8, R 2 1/4	03745	35	Y40267		04/03/95	144	04/04/95	1101	PASS		04/07/95
RWS 100H 35 CS F 2 3/4, L 2 3/8, R 3	03763	35	Y40095 S		04/07/95	161	04/07/95	1543	PASS		04/08/95
RWS 100H 36 CS F 3, L 2 3/4, R 3	03481	35	Y40095 S		04/07/95	160	04/07/95	1519	PASS		04/08/95
RWS 100H 38 CS F 3, L 3, R 3	04107	35	Y40268		04/06/95	149	04/06/95	715	PASS		04/08/95
RWS 100H 40 ID TAG CS F 3 1/2, L 3 1/2, R 3 1/2	03227	35	Y40267		04/03/95	143	04/04/95	1031	PASS		04/07/95
RWS 100H 41 CS F 2 1/8, L 2 3/16, R 4 1/2	01591	100	Y40096 R		04/07/95	168	04/07/95	1947	PASS		04/10/95
RWS 100H 42 2 WASHERS, CS F 4, L 3 13/16, R 4	00634	100	Y40096 R		04/07/95	167	04/07/95	1926	PASS		04/10/95
RWS 100H 44 1 WASHER CS F 2 1/4, L 2 1/4, R 2 1/4	00189	100	Y40096 R		04/07/95	166	04/07/95	1849	PASS		04/10/95
RWS 100H 46 CS F 2 5/8, L 2 11/16, R 2 5/8	01290	100	Y40097 R		03/31/95	96	03/31/95	1737	PASS		04/06/95
RWS 100H 47 CS F 4, L 3 7/8, R 4	02394	100	Y40097 R		04/01/95	122	04/02/95	1140	PASS		04/06/95
RWS 100H 49 1 PIVOT PIN, CS F 2 1/4, L 2 1/4, R 2 1/4	01118	100	Y40097 R		03/29/95	84	03/31/95	715	PASS		04/06/95

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS - DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
SPDBA 103H2000	12967	1/2	Y40269		04/14/95	291	04/14/95	1553	FAIL	06668	04/22/95
	CS F 1, L 1,		R 1								
SPDBA 105H2001	12200	1	Y40270		04/05/95	147	04/05/95	1107	PASS		04/06/95
	F 2, R 2, L 2			P44088							
SPDBA 107H2000	13970	1/2	Y40271		X		X	0			X
SPDBA 108H 6	13418	1/2	Y40272		X		X	0			X
SPDBA 112H 11	19475	3	Y40098	F	04/10/95	175	04/10/95	1339	PASS		04/26/95
	CS F 2 1/4, L 2 1/2, R 2 1/4										
	1 SNAP RING										
SPDBA 112H 17	06674	1/2	Y40273	R	04/17/95	339	04/17/95	1849	PASS		04/26/95
	CS F, 0, L 1, R 0										
	*REPORTED BOTTOMED OUT ON SPYDER										
SPDBA 112H 22	13936	1/2	Y40274		X		X	0			X
SPDBA 112H 28	21564	1	Y40099	R	03/27/95	17	03/27/95	1419	PASS		04/26/95
	CS F 1 3/4, L 1 1/2, R 1 3/4			C43256							
SPDBA 112H 41	14453	1/2	Y40099	F	03/27/95	18	03/27/95	1438	PASS		04/26/95
	CS F 2 3/8, L 2 1/2, R 2 3/8										
	2 SNAP RINGS										
SPDBA 112H 46	21572	1	Y40273		04/17/95	334	04/17/95	1745	PASS		04/26/95
	CS F 1/4, L 3/4, R 1/4										
SPDBA 112H 50	23047	1/4	Y40099	S	03/27/95	21	03/27/95	1539	PASS		Z
	CS F 2 1/4, R 2 1/4			C43256							
	DCP 93-3059C, REMOVED SNUB FROM FIELD				8						

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS - DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
SPDBB 108H2008	17243	1/2	Y40279		04/13/95	295	04/14/95	1752	FAIL	13433	04/17/95
	CS F 1, L 15/16, R 1 1/4										
SPDBB 108H2009	18568	1	Y40279		04/13/95	250	04/13/95	1018	PASS		04/17/95
	CS F 1 1/2, L 1 1/2, R 2										
SPDBB 108H2010	29012	1/4	Y40101	S	03/27/95	33	03/28/95	921	PASS		04/17/95
	CS F 1 3/4, L 1 3/4, R 1 3/4										
SPDBB 108H2011	18574	1	Y40279		04/13/95	251	04/13/95	1031	PASS		04/17/95
	CS F 2, L 2, R 1 3/4 1 SPHERICAL BUSHING										
SPDBB 108H2012	13472	1/2	Y40279		04/13/95	294	04/14/95	1741	PASS		04/17/95
	CS F 1 3/4, L 1 3/4, R 1 3/4										
SPDBB 114H2009	00100	3L	Y40102	S	03/28/95	44	03/28/95	1631	PASS		04/24/95
	CS F 3 7/8, L 4, R 3 7/8										
SPDBB 121H2012	23566	1/4	Y40103	S	03/27/95	31	03/28/95	843	FAIL	21148	04/17/95
	CS F 1 7/8, L 1 3/4, R 1 7/8 SNUBBER HAS CORROSION END TO END										
SPDBB 123H 3	05009	1	Y40104	S	03/27/95	37	03/28/95	1044	PASS		04/17/95
	1 JAM NUT, CS F 2, L 2, R 3										
SPDBB 123H4000	14380	1/2	Y40104	S	03/27/95	30	03/28/95	832	PASS		04/17/95
	CS F 1 1/4, L 1 1/4, R 1 1/4 2 WASHERS, 1 JAM NUT										
SPDBB 123H4001	09721	1/4	Y40104	S	03/27/95	35	03/28/95	1015	PASS		04/17/95
	CS F 2, L 2, R 2										
SPDBB 124H 2	06828	3	Y40105	S	03/27/95	26	03/27/95	1826	PASS		04/17/95
	CS F 3, L 3, R 3										

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS - DAILY TRACKING LOG
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SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MEMO1				CWO NO.	RCDE						
MEMO2											
SPDBB 124H	4 05008	1	Y40280		04/15/95	306	04/15/95	1119	PASS		04/22/95
2 SNAP RINGS, CS F 2, L 3, R 2											
LOAD STUD, PIVOT PIN, 1 RED WASH,											
SPDBB 125H	3 05010	1	Y40106	S	04/11/95	209	04/11/95	1632	FAIL	18577	04/17/95
CS F 1, L 1 1/4, R 1 1/4											
2 SNAP RINGS											
SPDBB 125H	4 05011	1	Y40106	S	04/11/95	210	04/11/95	1232	PASS		04/17/95
CS F 2 3/4, L 2 3/4, R 2 1/2											
1 RED WASHER, 1 SNAP RING											
SPDBB 126H	2 13466	1/2	Y40107	S	03/27/95	29	03/28/95	817	PASS		04/17/95
1 WASHER CS F 1 1/4, L 1 1/4, R 1 1/4											
SPDBB 126H2015A	13971	1/2	Y40281		X		X	0			X
SPDBB 126H2015B	13972	1/2	Y40281		X		X	0			X
SPDBB 126H2016	23024	1/4	Y40107	S	03/27/95	32	03/28/95	900	PASS		04/17/95
CS F 2 1/8, L 2 1/4, R 2 1/8											
SPDBB 126H2017	13964	1/2	Y40281		04/18/95		X	0			04/22/95
CS F 1 7/16, L 1 1/4,											
2 SNAP RINGS											
SPDBD 107H2000	03604	1	Y40282		04/19/95		X	0			04/22/95
CS F 1 3/4, L 1 7/8											
SPDBD 107H2001	13438	1/2	Y40108	S	04/11/95	201	04/11/95	1413	PASS		04/12/95
CS F 1, L 1 1/4, R 1											
2 SNAP RING, 1 BUSHING											
SPDCA 101H	15 28859	1/4	Y40283		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS - DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
SPDCA 101H2001	06251	1/4	Y40283		X		X	0			X
SPDCA 102H 10A	06822	3	Y40284		04/18/95	351	04/18/95	1313	PASS		04/21/95
CS F2 1/2, L2 1/2, R 1 3/4 ID TAG PARTIALLY ATTACHED											
SPDCA 102H 10B	06821	3	Y40284		04/18/95	350	04/18/95	1155	PASS		04/21/95
CS F 1 7/8, L 1 7/8, R 2											
SPDCA 102H 13A	18549	1	Y40285		X		X	0			X
SPDCA 102H 13B	18559	1	Y40285		X		X	0			X
SPDCA 102H 20	03597	1	Y40109	F	03/29/95	108	04/01/95	1151	PASS		04/20/95
1 SPHER BUSH, CS F 1 1/8, L 1 1/2, R 1 1 L STUD, 1 HH & JAM NUT, 2 SNAP RINGS											
SPDCA 102H2001	09941	1/2	Y40110	S	03/29/95	70	03/30/95	1203	PASS		04/21/95
CS F 1 3/4, L1 13/16, R 1 3/4											
SPDCA 110H 2	13455	1/2	Y40286		04/17/95	337	04/17/95	1823	PASS		04/24/95
CS F 1 1/4, L1 7/16, R 1 1/4											
SPDCA 110H 4	17224	1	Y40286		04/17/95	336	04/17/95	1812	PASS		04/24/95
CS F 3, L 2 1/2, R 2 3/4											
SPDCA 110H2008	05592	1/2	Y40287		04/19/95		X	0			04/21/95
CS F 7/8, L 7/8,											
SPDCA 110H2012	02813	1	Y40286		04/17/95	333	04/17/95	1732	PASS		04/24/95
CS F 2 1/2, L 2 1/8, R 2											

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAM -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
SPDCA 110H2014	03116	3	Y40111	S	03/29/95	68	03/30/95	1109	PASS		04/22/95
CS F 2 3/4, L2 7/8, R2 3/4 1 WASHER, 1 SNAP RING											
SPDCA 117H 14	13470	1/2	Y40288		X		X	0			X
SPDCA 120H2006	23573	1/4	Y40112	S	03/27/95	27	03/28/95	734	PASS		04/20/95
CS F 1 3/8, L 1 1/2, R 1 3/8 1 WASHER, 2 SNAP RINGS											
SPDCA 126H2001	28760	1/4	Y40113	S	03/29/95	73	03/03/95	1402	PASS		04/21/95
CS F 2 1/4, L2 1/4, R 2 1/4 1 SPHERICAL BUSH, 2 SNAP RING											
SPDCA 126H2002	16395	1/4	Y40113	S	03/29/95	71	03/30/95	1335	PASS		04/21/95
CS F 1 7/8, L 2, R 2 2 SNAP RINGS											
SPDCA 126H2029	06274	1/4	Y40113	S	03/29/95	72	03/30/95	1350	PASS		04/21/95
CS F 2 1/4, L 2 1/4, R 2 1/4											
SPDCA 127H 156	04191	1/4	Y40114	S	03/30/95	103	04/01/95	927	FAIL	23591	04/21/95
CS F 2 3/4, L 2 5/8, R 2 1/2											
SPDCA 127H 161	23571	1/4	Y40114	S	03/30/95	112	04/01/95	1409	FAIL	27922	04/21/95
CS F 1 1/2, L1 7/8, R 1 1/4											
SPDCA 127H2049	21068	1/4	Y40115	S	03/30/95	99	04/01/95	731	PASS		04/21/95
CS F 2 1/2, L 2 5/8, R 2 3/4											
SPDCA 128H 99	13056	1/4	Y40115	S	03/30/95	100	04/01/95	802	PASS		04/21/95
CS F 1 1/2, L 1 1/2, R 1 1/2 2 WASHERS											
SPDCA 128H 127	23359	1/4	Y40116	S	03/30/95	102	04/01/95	902	PASS		04/21/95
CS F 1 1/2, L 1 5/8, R 1 3/4 4 WASHERS											

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAMS - DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
SPDCA 128H 138	10948	1/4	Y40117	S	03/30/95	101	04/01/95	827	FAIL	16424	04/21/95
CS F 1 1/2, L 1 3/4, R 1 1/2											
4 WASHERS											
SPDCA 128H2032	13081	1/4	Y40289		04/19/95		X	0			04/20/95
CS F 1 7/8, L 2, R											
SPDCA 128H2061	13931	1/2	Y40290		X		X	0			X
SPDCA 132H 1	29314	1/4	Y40291		X		X	0			X
SPDCA 133H2001	27954	1/4	Y40292		X		X	0			X
SPDCA 134H2012A	16362	1/4	Y40293		X		X	0			X
SPDCA 134H2012B	16361	1/4	Y40293		X		X	0			X
SPDCA 136H2027	13967	1/2	Y40294		X		X	0			X
SPDCA 139H 14	28861	1/4	Y40295		X		X	0			X
SPDCA 143H2001	21144	1/4	Y40296		04/13/95	254	04/13/95	1127	PASS		04/14/95
CS F 2, L 1 15/16, R 2											
SPDCA 143H2006	17231	1	Y40297		X		X	0			X

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAM - DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
SPDCA 143H2011	28978	1/4	Y40297		X		X		0		X
SPDCA 143H2012	18393	1	Y40297		X		X		0		X
SPDCA 144H 87	14354	1/4	Y40298		04/19/95		X		0		04/20/95
CS F 1 1/2, L 1 1/2, 1 JAM NUT, 1 SNAP RING											
SPDCA 144H2034	13112	1/4	Y40298		04/18/95		X		0		04/20/95
CS F 2 3/8, L 2 1/4,											
SPDCA 144H2036A	10753	1/2	Y40298		X		X		0		04/20/95
CS F 7/8, L 7/8,											
SPDCA 144H2036B	10747	1/2	Y40298		04/18/95		X		0		04/20/95
CS F 1 5/8, L 1 1/2											
SPDCA 144H2105	13447	1/2	Y40298		X		X		0		X
SPDCA 145H 49	05013	1	Y40299		03/30/95	88	03/31/95	1110	PASS		04/18/95
CS F 1, L 1 2/8, R 1 1/4 C43256											
SPDCA 145H 52	27955	1/4	Y40299		04/03/95	138	04/03/95	1444	PASS		04/18/95
CS F 1 1/4, L1 3/8, R 1 1/2 C43256											
SPDCA 146H 4	16411	1/4	Y40300		04/13/95	257	04/13/95	1307	PASS		04/19/95
CS F 2, L 2 1/16, R 2											
SPDCA 147H 7	13102	1/4	Y40301		04/14/95	301	04/15/95	806	PASS		04/20/95
CS F 2, L 2 1/16, R 1 1/2											

UNIT 1 8TH RFO --- SNUBBER FUNCTIONAL EXAMS - DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
SPGGB 122H2017	06585	3	Y40317		04/11/95	213	04/11/95	1828	PASS		04/12/95
	CS F 1 3/4, L2 5/16, R 1 1/2										
SPGGB 131H2007	22880	1/4	Y40318		04/14/95	300	04/15/95	752	PASS		04/22/95
	CS F 1 7/8, L 1 7/8, R 1 1/2										
SPGGB 133H 16	12963	1/2	Y40319		04/18/95		X	0			04/20/95
	CS F 1 1/2, L 1 3/8										
SPGGB 134H 3	10918	1/4	Y40320		04/13/95	255	04/13/95	1141	DEGRADE	28856	04/22/95
	CS F 2 1/8, L 2 1/8, R 2 1/4										
	1 WASHER, 1 SNAP RING										
SPHBB 120H2003	09944	1/2	Y40321		03/31/95	106	04/01/95	1113	PASS		04/03/95
	CS R2, F2, L 1 7/8										
	2 SPHERICAL BUSHING										
SPHBC 139H2063	22939	1/4	Y40322		04/10/95	199	04/11/95	1247	PASS		04/12/95
	CS F 1 3/4, L 1 3/4, R 1 3/4										
SPHBD 199H2004	23032	1/4	Y40323		04/13/95	256	04/13/95	1200	PASS		04/14/95
	4 WASHERS, CS F 1 3/4, L 1 3/4, R 2										
SPHBD1147H3036	17228	1/2	Y40324		03/30/95	80	03/30/95	1658	PASS		03/31/95
	2 WASHERS, CS L 1 3/8, R 1 1/4										
SPHBD1148H3034	13953	1/2	Y40325		04/11/95	190	04/11/95	823	PASS		04/12/95
	CS F 1 1/8, L 1 1/8, R 1 1/4										
SPHBD1149H3036A	23556	1/4	Y40326		03/30/95	82	03/30/95	1728	DEGRADE	27977	03/31/95
	1 SNAP RING CS L 2 1/8, R 2										
SPHBD1149H3036B	22943	1/4	Y40326		03/30/95	81	03/30/95	1712	PASS		03/31/95
	CS L 2 1/16, R 2										

UNIT 1 8TH RFO -- SNUBBER FUNCTIONAL EXAM -- DAILY TRACKING LOG
 AS OF: 06/27/95 TIME: 13.34.30

SNUBBER ID	SERIAL	SIZE	WA NO.	ORIGIN	REMOVED	JOHN EXAM	TEST DATE	TEST TIME	PASS FAIL	REPLACED S/NUM	REINSTALL DATE
MEMO1				CWO NO.	RCDE						
MEMO2											
SPHRC 11H2001 2 WASHERS	13941 CS L 1 1/4, R 1 1/2	1/2	Y40126	S	03/27/95	20	03/27/95	1521	PASS		03/31/95
SPHRC 136H1001 2 SNAP RINGS/4 WASHERS	21160 CS R 1 1/4, F 1 1/4, L 1 3/8	1/4	Y40340		04/02/95	132	04/02/95	1801	PASS		04/03/95
SPJBD 188H2001	13078	1/4	Y40341		X		X	0			X
SPJCD 114H2004	23011	1/4	Y40342		X		X	0			X
SPJCD 115H 113	06324	1/4	Y40343		X		X	0			X
SPJCD 115H2005	23023	1/4	Y40343		X		X	0			X
SPJCD 127H2002	22937	1/4	Y40344		X		X	0			X

TOTAL: 579

SNUBBER VISUAL TESTING LISTING

No visual examinations were performed during the Unit 1-8RIO. The next visual examinations are scheduled for the Unit 1-9RIO.

ASME REPAIRS AND REPLACEMENTS

NIS-2 FORMS

MECHANICAL MAINTENANCE

NIS-2 FORMS



CERTIFICATION OF ASME SECTION XI COMPONENT SUPPORT REPLACEMENTS

At the start of the first inspection interval for Susquehanna Steam Electric Station, PP&L officially committed to use ASME Section XI 1980 Edition through the Winter 1980 Addenda for Unit 1 and the Winter 1981 Addenda for Unit 2. This commitment was documented in the operational Quality Assurance Program and in our ISI and Repair/Replacement Program. In March of 1988, a lower tier procedure in the Repair and Replacement Program was revised to specify the use IWF-7000 of the Winter 1982 Addenda because the Winter 1980 and 1981 addendas contained no guidance for component support replacements. From March of 1988 until the end of the first inspection interval, IWF-7000 Winter 1982 Addenda was, in fact, satisfied for all component support replacements. However, this informal commitment was not reflected in our QA program nor on any NIS-2 forms for component support replacements during that period.

This document certifies that all ASME Section XI component support replacement work performed at Susquehanna Steam Electric Station for the time period of March 1988 until May 31, 1994 (end of the first inspection interval) was accomplished in accordance with the requirements of Article IWF-7000 of ASME Section XI 1980 Edition through Winter 1982 Addenda for Units 1 and 2.

[Signature] 7/17/95
Owners Designee, V.P. - Nuclear Operations

[Signature] AN11 7/17/95
Authorized Insurance Agency

asmecert.ebg



UNIT 1 EIGHTH REFUELING AND INSPECTION OUTAGE MAINTENANCE CODE REPAIR AND REPLACEMENT

1.0 INTRODUCTION

This summary identifies the work performed on ASME Section XI (Classes 1, 2, and 3) and ASME Section VIII items for which Maintenance has NIS-2 responsibility. The majority of this work was performed during the Unit 1 Eighth Refueling and Inspection Outage.

2.0 CODE COMPLIANCE SUMMARY

All work prior to 6/1/94 on ASME Section XI (Classes 1, 2, and 3) items meet the requirements of IWA-4000 (Repair procedures) and IWA-7000 (Replacements) of ASME Section XI, 1980 Edition through Winter 1981 Addenda. After 6/1/94, 1989 Edition No Addenda applies.

3.0 REPAIR AND REPLACEMENT SUMMARY

Work in this area consists of Work Authorizations for Section XI Repairs and Replacements, and Sections I and VIII Repairs.

3.1 SECTION XI REPAIRS AND REPLACEMENTS

<u>SYSTEM / CLASS</u>	<u>WORK AUTH. NO.</u>	<u>DESCRIPTION</u>
024A III	P41077	Remove and reinstall pipe support clip.
	P41579	Replaced damaged studs and nuts on intercooler.
	P41581	Replaced one missing nut on OE506C.
	P41765	Replaced intercoolers OE505A1/A2
	P41765	Replaced damaged studs and nuts on intercooler.
	P42465	Replaced damaged studs and nuts on intercooler.
	P43086	Replaced intercoolers OE505D1/D2
	P43087	Remove and re-weld pipe support clip.
	S33574	Replaced stem and disc assembly on 034319.
	S33947	Repaired seat and replaced the disc.
	S35033	Replaced stem and disc assembly on RV-PY 03400D.
	S43242	Replaced one missing nut on OE505D2.
	S43628	Replacement of flange and piping per SOOR 94-319 and NCR 94-0173.
	S43658	Replacement of flange and piping per SOOR 94-319 and NCR 94-0173.
	S43659	Replacement of flange and piping per SOOR 94-319 and NCR 94-0173.
	S43659	Seal weld disc pins to disc.
	S43659	Weld build-up on flange face and replacement of missing stud and nut.
S43660	Replacement of flange and piping per SOOR 94-319 and NCR 94-0173.	

<u>SYSTEM / CLASS</u>	<u>WORK AUTH. NO.</u>	<u>DESCRIPTION</u>
024A III	S43661	Replacement of flange and piping per SOOR 94-319 and NCR 94-0173.
	S43661	Weld build-up on flange and/or valve body.
	S43662	Weld build-up on flange and/or valve body.
	S43662	Replacement of flange and piping per SOOR 94-319 and NCR 94-0173.
	S43663	Replacement of flange and piping per SOOR 94-319 and NCR 94-0173.
	S43663	Weld build-up on flange and/or valve body.
	S43664	Weld build-up on flange and/or valve body.
	S43664	Replacement of flange and piping per SOOR 94-319 and NCR 94-0173.
	S43699	Weld build-up on flange and/or valve body.
	S43881	011051 Valve body built-up and machined.
S44302	Replace flange and vent piping to intercooler.	
S53011	Weld build-up on flange and/or valve body.	
0300 III	S43476	Replaced bolting.
054A III	S15335	Replaced case studs and nuts on suction bell.
	S43667	Replaced bolting.
	S43668	Replaced bolting.
	S43669	Replaced flange and piping downstream of 0-11-044.
054B III	S46999	Level element replaced.
	S95805	Replaced bolting.
116A III	S53479	Replaced HV11210B valve
	S53479	Weld build-up on HRC-112-1.
125A II	S84642	Replaced main disc.
125A III	P50076	Replaced flange and piping.
	S44252	Replaced main disc and bonnet on SV-12643.
	S44306	Replaced valve.
	S44493	Removed valve internals.
	S44494	Replaced valve.
	S47187	Replaced valve.
134D III	S43133	Replaced flex hoses.
	S43331	Replaced flex hoses.
	S43363	Replaced flex hoses.
	S43364	Replaced flex hoses.
	S44503	Replaced flex hoses.
	S44534	Replaced flex hoses.

<u>SYSTEM / CLASS</u>	<u>WORK AUTH. NO.</u>	<u>DESCRIPTION</u>
134E III	S53253	Replaced piping.
134G III	S43098	Replaced flex hoses.
	S43099	Replaced flex hoses.
	S43362	Replaced flex hoses.
	S43414	Replaced flex hoses.
	S53231	Replaced flex hoses.
135B II	S23083	Replaced leak off plug.
145A II	S43829	Replaced stem and disc assemblies
	S43830	Replaced stem and disc assemblies
149A II	S24372	Replaced leak off plug.
	S24953	Replaced leak off plug.
	S28952	Replaced leak off plug.
	S43168	Replaced stuffing box plug.
	S53395	Replaced disc.
S53401	Replaced disc.	
149A III	U40099	Replaced cooling coils
	U40100	Replaced cooling coils
149B II	P25056	Plugged tubes.
	S34144	Replaced stem, disc and backseat bushing.
	S43125	Replaced leak off plug.
149G I	P46525	Cut valve base.
	S43827	Replaced leak off plug.
150B II	P43900	Replaced RCIC rupture disk.
	S43148	Replaced stem/disc assy's and backseat bushings.
	S43192	Replaced stem/disc assy's and backseat bushings.
	S43552	Replaced stem/disc assy.
	S43843	Replaced stem/disc assy and backseat bushing.
S53475	Removed and reinstalled code piping and hanger.	
151A II	S53140	Replaced stem/disc assy and backseat bushing.
152B I	H40126	Replaced bonnet and leak off plug

SYSTEM / CLASS WORK AUTH. NO. DESCRIPTION

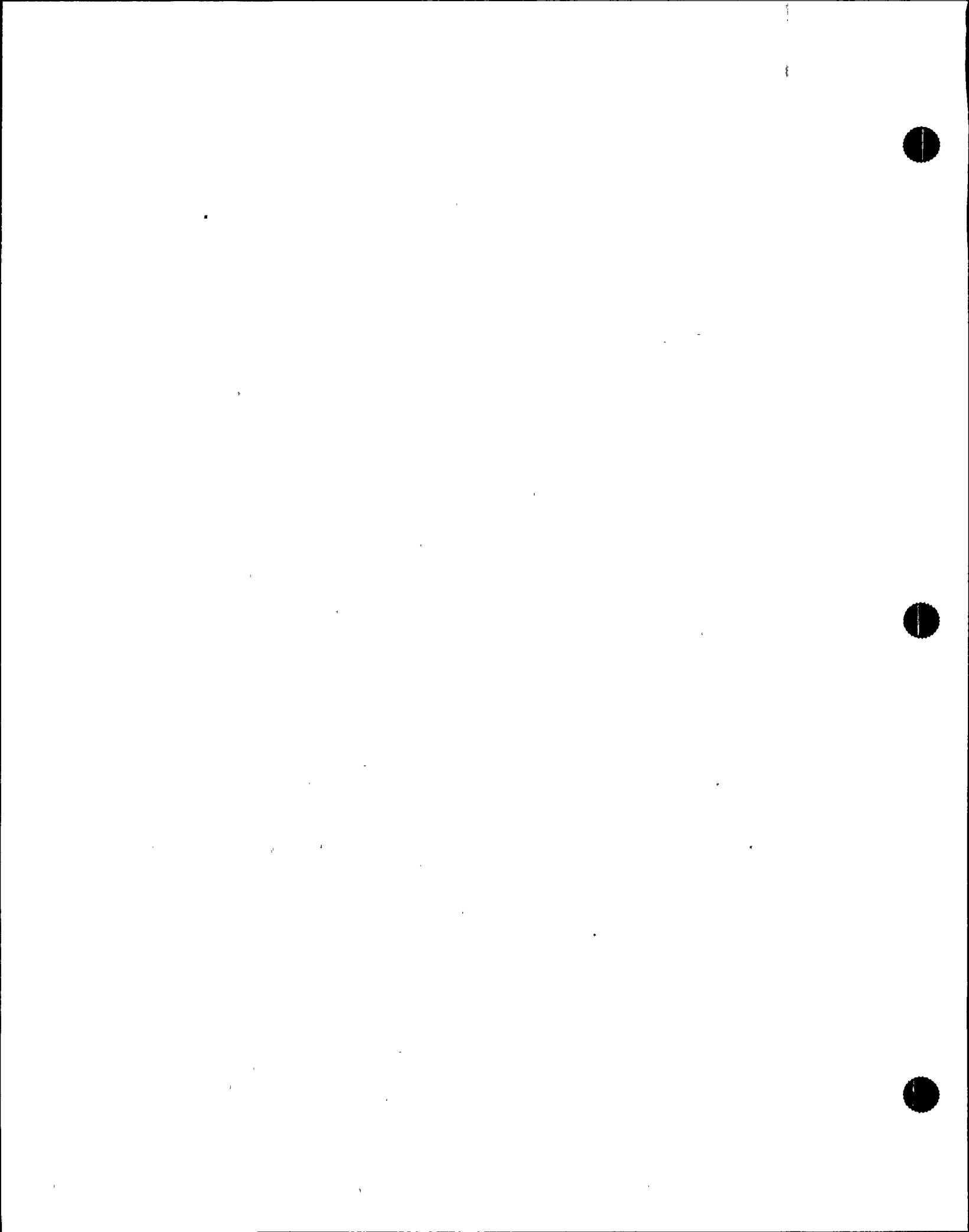
152B II P43899 Replaced HPCI inner rupture disks.
 S33982 Performed new weld on seat ring.
 S35201 Replaced stem/disc assy and backseat bushing.
 S35201 Moved piping for ECO 93-6051.
 S43372 Replaced stem/disc assy and backseat bushing.
 S43424 Replaced stem/disc assy and backseat bushing.
 S44120 Replaced valves.

153A II H40295 Replaced valve.

154A III S44110 Replaced stem/disc assy and backseat bushing.
 S44110 Replaced stem/disc assy and backseat bushing.
 S44111 Replaced stem/disc assy and backseat bushing.
 S44112 Replaced stem/disc assy and backseat bushing.
 S44112 Replaced stem/disc assy and backseat bushing.
 S44113 Replaced stem/disc assy and backseat bushing.

155B II S43135 Replaced stem/disc assy.
 S44255 Changed HCU accumulator.
 S44256 Changed HCU accumulator.
 S44257 Changed HCU accumulator.
 S44258 Changed HCU accumulator.
 S44259 Changed HCU accumulator.
 S44260 Changed HCU accumulator.
 S44261 Changed HCU accumulator.
 S44262 Changed HCU accumulator.
 S44263 Changed HCU accumulator.
 S44264 Changed HCU accumulator.
 S44265 Changed HCU accumulator.
 S44266 Changed HCU accumulator.
 S53099 Changed HCU accumulator.
 S53376 Replaced disc.
 S53416 Replaced stem/disc assy.
 S53417 Replaced stem/disc assy.
 S53418 Replaced stem/disc assy.
 S53419 Replaced stem/disc assy..
 S53420 Replaced stem/disc assy.
 S53421 Replaced stem/disc assy.
 S53422 Replaced stem/disc assy.
 S53423 Replaced stem/disc assy.
 S53424 Replaced stem/disc assy.
 S53425 Replaced stem/disc assy.
 S53426 Replaced stem/disc assy.
 S53427 Replaced stem/disc assy.

<u>SYSTEM / CLASS</u>	<u>WORK AUTH. NO.</u>	<u>DESCRIPTION</u>
155B II	S53428	Replaced stem/disc assy.
	S53429	Replaced stem/disc assy.
	S53430	Replaced stem/disc assy.
	S53431	Replaced stem/disc assy.
	S53432	Replaced stem/disc assy.
	S53433	Replaced stem/disc assy.
	S53434	Replaced stem/disc assy.
	S53435	Replaced stem/disc assy.
	S53436	Replaced stem/disc assy.
	S53437	Replaced stem/disc assy.
	S53438	Replaced stem/disc assy.
	S53439	Replaced stem/disc assy.
	S53440	Replaced stem/disc assy.
	S53441	Replaced stem/disc assy.
	S53442	Replaced stem/disc assy.
	S53443	Replaced stem/disc assy.
	S53444	Replaced stem/disc assy.
	S53445	Replaced stem/disc assy.
	S53446	Replaced stem/disc assy.
	S53503	Replaced CRD insert line support.
S53521	Replaced stem/disc assy.	
S53673	Replaced CRD insert line support.	
161A III	P35137	Replaced bonnet nut.
	S44228	Replaced ball in valve 145029A.
161B I	S53635	Replaced leak off plug.
161B II	S53154	Replaced valves.
	S53634	Replaced stem/disc assy's and backseat bushings.
162A I	H40180	Replaced MSRV and (as needed) nuts and bolts.
	H40181	Replaced MSRV and (as needed) nuts and bolts.
	H40182	Replaced MSRV and (as needed) nuts and bolts.
	H40183	Replaced MSRV and (as needed) nuts and bolts.
	H40184	Replaced MSRV and (as needed) nuts and bolts.
	H40185	Replaced MSRV and (as needed) nuts and bolts.
	H40186	Replaced MSRV and (as needed) nuts and bolts.
	H40187	Replaced MSRV and (as needed) nuts and bolts.
	H40188	Replaced MSRV and (as needed) nuts and bolts.
	H40189	Replaced MSRV and (as needed) nuts and bolts.
	H40190	Replaced MSRV and (as needed) nuts and bolts.
H40191	Replaced MSRV and (as needed) nuts and bolts.	
H40192	Replaced MSRV and (as needed) nuts and bolts.	
H40193	Replaced MSRV and (as needed) nuts and bolts.	



<u>SYSTEM / CLASS</u>	<u>WORK AUTH. NO.</u>	<u>DESCRIPTION</u>
162A I	H40194	Replaced MSR/V and (as needed) nuts and bolts.
	H40195	Replaced MSR/V and (as needed) nuts and bolts.
	H40202	Replaced 26 studs on 7 MSR/V'S.
	H40299	Replaced CRD and housing bolts.
	H40300	Replaced CRD and housing bolts.
	H40301	Replaced CRD and housing bolts.
	H40302	Replaced CRD and housing bolts.
	H40303	Replaced CRD and housing bolts.
	H40304	Replaced CRD and housing bolts.
	H40305	Replaced CRD and housing bolts.
	H40306	Replaced CRD and housing bolts.
	H40307	Replaced CRD and housing bolts.
	H40308	Replaced CRD and housing bolts.
	H40309	Replaced CRD and housing bolts.
	H40310	Replaced CRD and housing bolts.
	H40311	Replaced CRD and housing bolts.
	H40312	Replaced CRD and housing bolts.
	H40313	Replaced CRD and housing bolts.
	H40314	Replaced CRD and housing bolts.
	H40315	Replaced CRD and housing bolts.
H40316	Replaced CRD and housing bolts.	
H40317	Replaced CRD and housing bolts.	
H40318	Replaced CRD and housing bolts.	
H40335	Replaced MSR/V and (as needed) nuts and bolts.	
S43097	Replaced stem and disc.	
164A I	S53358	Replaced XV142F051C valve.
164B I	S43831	Replaced valves, piping and pipe cap.
	S43952	Bioshield door X2G lifting lug trimmed
	U43041	Installed accelerometer mounting brackets.
	U43043	Installed accelerometer mounting brackets.
164D II	S44605	Replaced valve and moved hanger clip.
173A II	P42118	Replaced flange nuts.
	S53402	Replaced flange nuts.
173C II	P44069	Replaced disc.
	P44084	Replaced disc.
	P44085	Replaced disc.
	P44086	Replaced disc.
183A I	S53579	Replaced bonnet on OFHV141F016.
	S53636	Seal-welded body to bonnet.

<u>SYSTEM / CLASS</u>	<u>WORK AUTH. NO.</u>	<u>DESCRIPTION</u>
183A II	S43170	Replaced stem/disc assy and backseat bushing.
	S43170	Replaced piping.
	S53192	Replaced stem/disc assy and backseat bushing.
	S53194	Replaced stem/disc assy and backseat bushing.
	S53405	Replaced piping above and below level switches.
	S53409	Replaced piping above and below level switches.
	S53410	Replaced non-code level switches.
183B III	S05343	Removed weld to access 141F029.
183E III	H40198	Replaced load pin nuts.
	S14619	Removed welds to facilitate valve reworks.
	S14619	Replaced ball in valve.
	S43233	Blended out pit area on ADS accumulator.
	S53530	Removed welds to facilitate valve reworks.
S53549	Removed welds to facilitate valve reworks.	
183H II	S47009	Replaced valve, ferrule and nut.

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 4" #150 RF FLANGE	BECHTEL	N/A	N/A	4" HRC-3-1-7	1982	REPLACED	NO
2) 4" #150 RF FLANGE	WFI NUCLEAR PRODUCTS	HT# 539TNT	N/A	4" HRC-3-1-7	1991	REPLACEMENT	NO
3) 4" SCH 80 PIPE	BECHTEL	N/A	N/A	4" HRC-3-1-7	1982	REPLACED	NO
4) 4" SCH 80 PIPE	HUB INC.	HT# N07998	N/A	4" HRC-3-1-7	1992	REPLACEMENT	NO

7. Description of Work See Page 16 and 17
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 16
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/20/95 to 3/10/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 100 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements
FACTORY MUTUAL ENG. ASSOC.

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) 4" #150 RF FLANGE	BECHTEL	N/A	N/A	4" HRC-3-2-15	1982	REPLACED	NO
6) 4" #150 RF FLANGE	WFI NUCLEAR PRODUCTS	HT# 539TNT	N/A	4" HRC-3-2-15	1991	REPLACEMENT	NO
7) 4" SCH 80 PIPE	BECHTEL	N/A	N/A	4" HRC-3-2-15	1982	REPLACED	NO
8) 4" SCH 80 PIPE	CAPITOL	HT# 132294	N/A	4" HRC-3-2-15	1984	REPLACEMENT	NO
9) 4" #150 RF FLANGE	BECHTEL	N/A	N/A	4" HRC-3-2-7	1982	REPLACED	NO
10) 4" #150 RF FLANGE	WFI NUCLEAR PRODUCTS	HT# 539TNT	N/A	4" HRC-3-2-7	1991	REPLACEMENT	NO
11) 4" SCH 80 PIPE	BECHTEL	N/A	N/A	4" HRC-3-2-7	1982	REPLACED	NO
12) 4" SCH 80 PIPE	USS TUBULAR	HT# 7998	N/A	4" HRC-3-2-7	1990	REPLACEMENT	NO
13) 4" #150 RF FLANGE	BECHTEL	N/A	N/A	4" HRC-3-3-7	1982	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 3 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
- PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
- Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
14) 4" #150 RF FLANGE	LADISH	HT# XSM	N/A	4" HRC-3-3-7	1985	REPLACEMENT	NO
15) 4" SCH 80 PIPE	BECHTEL	N/A	N/A	4" HRC-3-3-7	1982	REPLACED	NO
16) 4" SCH 80 PIPE	US STEEL	HT# N07998	N/A	4" HRC-3-3-7	1990	REPLACEMENT	NO
17) 6" #150 RF FLANGE	BECHTEL	N/A	N/A	6" HRC-3-1-4	1982	REPLACED	NO
18) 6" #150 RF FLANGE	WFI NUCLEAR PRODUCTS	HT# 539TNT	N/A	6" HRC-3-1-4	1991	REPLACEMENT	NO
19) 6" SCH 80 PIPE	BECHTEL	N/A	N/A	6" HRC-3-1-4	1982	REPLACED	NO
20) 6" SCH 80 PIPE	US STEEL	B46571	N/A	6" HRC-3-1-4	1987	REPLACEMENT	NO
21) 6" #150 RF FLANGE	BECHTEL	N/A	N/A	6" HRC-3-2-12	1982	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
22) 6" #150 RF FLANGE	WFI NUCLEAR PRODUCTS	HT# 539TNT	N/A	6" HRC-3-2-12	1991	REPLACEMENT	NO
23) 6" SCH 80 PIPE	BECHTEL	N/A	N/A	6" HRC-3-2-12	1982	REPLACED	NO
24) 6" SCH 80 PIPE	US STEEL	B46571	N/A	6" HRC-3-2-12	1987	REPLACEMENT	NO
25) 6" #150 RF FLANGE	BECHTEL	N/A	N/A	6" HRC-3-2-4	1982	REPLACED	NO
26) 6" #150 RF FLANGE	WFI NUCLEAR PRODUCTS	HT# 539TNT	N/A	6" HRC-3-2-4	1991	REPLACEMENT	NO
27) 6" SCH 80 PIPE	BECHTEL	N/A	N/A	6" HRC-3-2-4	1982	REPLACED	NO
28) 6" SCH 80 PIPE	US STEEL	B46571	N/A	6" HRC-3-2-4	1987	REPLACEMENT	NO
29) 6" #150 RF FLANGE	BECHTEL	N/A	N/A	6" HRC 3-3-4	1982	REPLACED	NO
30) 6" #150 RF FLANGE	WFI NUCLEAR PRODUCTS	HT# 539TNT	N/A	6" HRC 3-3-4	1991	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
31) 6" SCH 80 PIPE	BECHTEL	N/A	N/A	6" HRC 3-3-4	1982	REPLACED	NO
32) 6" SCH 80 PIPE	US STEEL	B49571	N/A	6" HRC 3-3-4	1987	REPLACEMENT	NO
33) PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HRC-9-H2003	1982	REPAIRED	NO
34) BUTTERFLY VALVE	MASONEILAN	N00186-18-3	N/A	011051	1979	REPAIRED	NO
35) NUTS	PERFEX	N/A	N/A	OE505B2	1976	REPLACED	NO
36) NUTS	NOVA MACHINE	HT# 0-0708FF	N/A	OE505B2	1991	REPLACEMENT	NO
37) STUDS	PERFEX	N/A	N/A	OE505B2	1976	REPLACED	NO
38) STUDS	A&G ENGINEERING	HT# CDB	N/A	OE505B2	1987	REPLACEMENT	NO
39) 4" VALVE	MASONEILAN	N00186-17-5	N/A	011045	1978	REPAIRED	NO



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

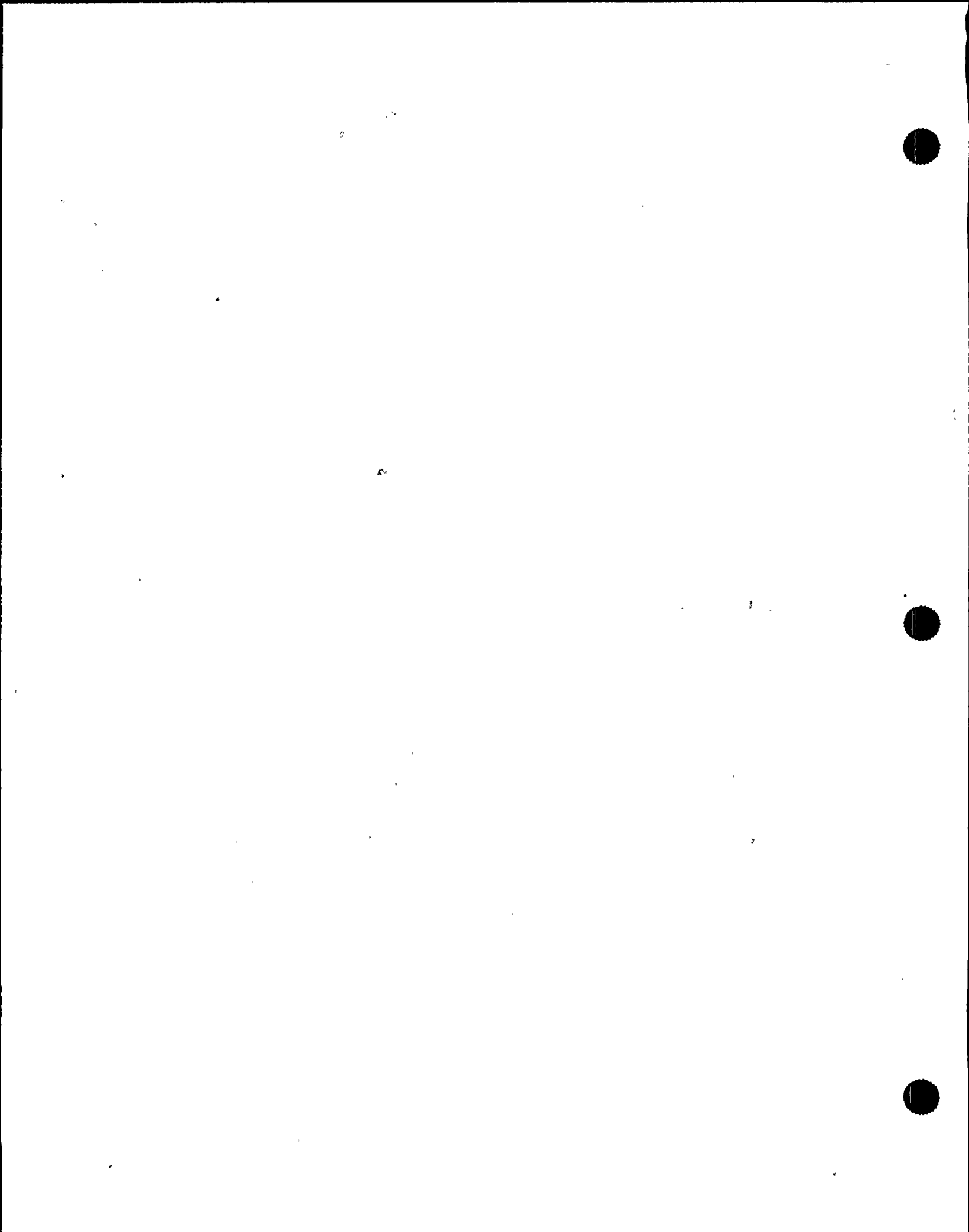
1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 6 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
40) 4" FLANGE	BECHTEL	N/A	N/A	HRC-3-2-6A	1982	REPAIRED	NO
41) NUT	BECTHEL	N/A	N/A	HRC-3-2-6A	1982	REPLACED	NO
42) NUT	JOH. SMIT	HT# 010067	N/A	HRC-3-2-6A	1991	REPLACEMENT	NO
43) STUDS	BECTHEL	N/A	N/A	HRC-3-2-6A	1982	REPLACED	NO
44) STUDS	CARDINAL	HT# X107E H1	N/A	HRC-3-2-6A	1983	REPLACEMENT	NO
45) 6" FLANGE	BECHTEL	N/A	N/A	HRC-3-2-2	1982	REPAIRED	NO
46) STEM AND DISC	YARWAY	N/A	N/A	RV-PY 03400D	1977	REPLACED	NO
47) STEM AND DISC	YARWAY	D14-K2	N/A	RV-PY 03400D	1989	REPLACEMENT	NO
48) NUT	PERFEX	924601-3	N/A	OE505D2	1978	REPLACED	NO
49) NUT	NOVA	HT# 0-708FF	N/A	OE505D2	1991	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 7 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
50) SEAT	CROSBY	N16876-00-004	N/A	PSV-03434B2	1981	REPAIRED	NO
51) DISC	CROSBY	N16876-00-004	N/A	PSV-03434B2	1981	REPLACED	NO
52) DISC	CROSBY	K62890-52-0080	N/A	PSV-03434B2	1992	REPLACEMENT	NO
53) 6" VALVE	MASONEILAN	N/A	N/A	011050	1979	REPAIRED	YES
54) 6" FLANGE	MASONEILAN	N/A	N/A	HRC-3-2-12	1979	REPAIRED	NO
55) STEM/DISC ASSY	HENRY VOGT	10-215058	N/A	034319	1984	REPLACED	NO
56) STEM/DISC ASSY	HENRY VOGT	P/N 16957	N/A	034319	1993	REPLACEMENT	NO
57) 4" VALVE	MASONEILAN	N/A	N/A	011044	1978	REPAIRED	YES
58) 4" FLANGE	MASONEILAN	N/A	N/A	HRC-3-2-11	1978	REPAIRED	NO



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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 8 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
- PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
- Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
59) NUT	AMER STAND.	N/A	N/A	OE506C	1975	REPLACED	NO
60) NUT	TEXAS BOLT	HT# 57988	N/A	OE506C	1994	REPLACEMENT	NO
61) NUTS	PERFEX	N/A	N/A	OE505C2	1976	REPLACED	NO
62) NUTS	CARDINAL	HT# KC8972	N/A	OE505C2	1989	REPLACEMENT	NO
63) STUDS	PERFEX	N/A	N/A	OE505C2	1976	REPLACED	NO
64) STUDS	CARDINAL/A&G ENGINEERING	HT# 8096311/ HT# CDB(660164)	N/A	OE505C2	1987/ 1990	REPLACEMENT	NO
65) 3/4" 150# FLANGE	PERFEX	N/A	N/A	OE505E2	1984	REPLACED	NO
66) 3/4" 150# FLANGE	WFI NUCLEAR	HT# 282RNT	N/A	OE505E2	1991	REPLACEMENT	NO
67) 3/4" SS PIPE	PERFEX	N/A	N/A	OE505E2	1984	REPLACED	NO
68) 3/4" SS PIPE	SANDVIK	HT# 466970	N/A	OE505E2	1984	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 9 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
69) INTERCOOLER	PERFEX	841601-2,-3	N/A	OE505A1/A2	1976	REPLACED	NO
70) INTERCOOLER	SENIOR ENGR	14455-01-1/ 14455-01-02	N/A	OE505A1/A2	1994	REPLACEMENT	NO
71) NUTS	PERFEX	N/A	N/A	OE505A1/A2	1976	REPLACED	NO
72) NUTS	JOHN SMITH	HT# 010067	N/A	OE505A1/A2	1991	REPLACEMENT	NO
73) STUDS	PERFEX	N/A	N/A	OE505A1/A2	1976	REPLACED	NO
74) STUDS	A&G ENGINEERING	N/A	N/A	OE505A1/A2	1992	REPLACEMENT	NO
75) INTERCOOLER	PERFEX	841601-1 924601-3	N/A	OE505D1/D2	1976	REPLACED	NO
76) INTERCOOLER	PERFEX	841601-2/-3	N/A	OE505D1/D2	1976	REPLACEMENT	NO
77) 6" RF FLANGE	BECHTEL	N/A	N/A	HRC-3-1-4	1982	REPAIRED	NO
78) 6" VALVE BODY	MASONEILAN	NOO186-18-4	N/A	011052	1980	REPAIRED	YES

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
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1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 11 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
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- PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
- Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1, 2, 3, 4	S43628	C94-024-160
5, 6, 7, 8	S43658	C94-024-175
9, 10, 11, 12	S43659	C94-024-176
13, 14, 15, 16	S43660	C94-024-177
17,18,19,20	S43661	C94-024-178
21,22,23,24	S43662	C94-024-179
25,26,27,28	S43663	C94-024-180
29,30,31,32	S43664	C94-024-181
33	P41077	C94-024-189
34	S43881	C94-024-190
35,36,37,38	P42465	C94-024-192
39	S43659	C94-024-198

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 12 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Pages 11, 12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
40,41,42,43,44	S43659	C94-024-199
45	S43663	C94-024-200
46, 47	S35033	C94-024-168
48,49	S43242	94-024-002
50,51,52	S33947	94-024-003
53,54	S43662	94-024-005
55,56	S33574	94-024-004
57,58	S43699	94-024-008
59,60	P41581	94-024-006
61,62,63,64	P41579	94-024-009
65,66,67,68	S44302	94-024-010
69,70	P41765	94-024-011
71,72,73,74	P41765	94-024-013

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 14 of 17
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2. Plant Susquehanna Steam Electric Station Unit 1
Name
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Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
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Address Expiration Date N/A

4. Identification of System 024A III Diesel Generator and Auxiliary Systems

5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,3,6,7,9,11,13,15,17,19,21, 23,25,27,29,31,33,40,41,43,46,54, 68, 71,73,77,79,80	ASME SEC III; CLASS 3; 1971 EDITION; W'72 ADDENDA
2,6,10,22	ASME SEC III; CLASS 2; 1989 EDITION; NO ADDENDA
4,12,16,66	ASME SEC III; CLASS 2; 1986 EDITION; NO ADDENDA
8	ASME SEC III; CLASS 3; 1980 EDITION; '81 ADDENDA
14	ASME SEC III; CLASS 2; 1983 EDITION; W'83 ADDENDA
18,26,30	ASME SEC III; CLASS 3; 1986 EDITION; NO ADDENDA
20,24,28,32	ASME SEC III; CLASS 2; 1986 EDITION; '87 ADDENDA
34,39,53,57,78	ASME SEC III; CLASS 3; 1974 EDITION; W'75 ADDENDA
35,37,48,59,61,63,69,75, 76	ASME SEC III; CLASS 3; 1974 EDITION; S'74 ADDENDA
36,49,64	ASME SEC III; CLASS 1; 1989 EDITION; NO ADDENDA
38,64	ASME SEC III; CLASS 1; 1986 EDITION; 86 ADDENDA
42,60,72,74	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA
44	ASME SEC III; CLASS 1; 1980 EDITION; W'82 ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 15 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
46,47	ASME SEC III; CLASS 3; 1974 EDITION; W'74 ADDENDA
50,51,52	ASME SEC III; CLASS 3; 1977 EDITION; NO ADDENDA
55,56,65,67	ASME SEC III; CLASS 3; 1980 EDITION; SUMMER '81 ADDENDA
62	ASME SEC III; CLASS 3; 1983 EDITION; SUMMER '84 ADDENDA
68	ASME SEC III; CLASS 3; 1980 EDITION; '81 ADDENDA
70	ASME SEC III; CLASS 3; 1974 EDITION; S'74 ADDENDA CODE CASE N-242

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 16 of 17
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 024A III Diesel Generator and Auxiliary Systems

5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 32	REPLACEMENT OF FLANGE AND PIPING PER SOOR 94-319 AND NCR 94-0173
33	REMOVED AND INSTALLED PIPE SUPPORT CLIP TO FACILITATE INSPECTION
34	VALVE BODY WAS BUILT-UP AND MACHINED
35 THRU 38,61 THRU 64	REPLACED DAMAGED STUDS AND NUTS ON DIESEL INTERCOOLER
71 THRU 74	
39	SEAL WELD DISC PINS TO DISC
40 THRU 44	WELD BUILD-UP ON FLANGE FACE AND REPLACEMENT OF STUD AND NUT
45,53,54,57,58,77,78,79	WELD BUILD-UP ON FLANGE AND/OR VALVE BODY
46,47	REPLACE STEM AND DISC ASSEMBLY ON RV-PY 03400D
48,49	REPLACED NUT ON OE505D2
50,51,52	REPAIRED SEAT AND REPLACED DISC
55,56	REPLACED STEM AND DISC ASSEMBLY ON 034319
59,60	REPLACED NUT ON OE505C
65 THRU 68	REPLACED FLANGE AND VENT PIPING TO INTERCOOLER

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 17 of 17
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Pages 11,12 and 13 for documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 024A III Diesel Generator and Auxiliary Systems
5. (a) Applicable Construction See Pages 14 & 15 19 Edition, Addenda, 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

Item (s)	Description of Work
69,70,75,76	REPLACED INTERCOOLERS TO ALLOW FOR CLEANING
80	REMOVED AND INSTALLED PIPE SUPPORT CLIP
Item (s)	Description of Tests
1 THRU 32,34,39 THRU 45,53,57,58,54, 69 THRU 79	VT-2 DURING SE-054-301
35 THRU 38,46,47,55,56, 59 THRU 64	FORM 480: NON VT-2
33,48 THRU 52, 65 THRU 68,80	NO TESTING REQUIRED

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. I

REGISTER 77254

P.O. 55001

1. (a) Manufactured by YARWAY CORPORATION, BLUE BELL, PA 19422
(Name and address of NPT Certificate Holder)
 - (b) Manufactured for Pennsylvania Power & Light Co., Susquehanna Steam Electric Station
(Name and address of N Certificate Holder for completed nuclear component)
 2. Identification-Certificate Holder's Serial No. of Part D14-K1 thru D14-K5 Nat'l Bd. No. -
 - (a) Constructed According to Drawing No. 966238-02 Drawing Prepared by Yarway Corp.
 - (b) Description of Part Inspected Stem Assembly 1" - 5515B, 25B, Qty. 5
 - (c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. - Class 1
 3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)
- Material: Disc-AMS 5385

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date: 5/18 19 89 Signed Yarway Corp. By F. W. Peszka
(NPT Certificate Holder) F. W. Peszka
Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N-2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Co.

Stress analysis report on file at Pennsylvania Power & Light Co.

Design specifications certified by <u>John R. Schmiedel</u>	Penna.	19370E
<u>Richard O. Schlueter</u>	Prof. Eng. State	Penna Reg. No. 26382E
<u>Sidney Arthur Copland</u>	Penna.	19877E
Stress analysis report certified by <u>George J. Loos</u>	Prof. Eng. State	NJ Reg. No. 23225

No. 89-0636
RECORD PACKAGE
PAGE 7 OF 17

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance of Norwood, MA * have inspected the part of a pressure vessel described in this Partial Data Report on MAY 18 19 89, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date MAY 18 19 89 *Factory Mutual System

Inspector's Signature Jm. Hinks Commissions Pa. 2006
National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is provided in item 3, "Remarks".

Items 4-8 Incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) _____
(b) _____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as ogee and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure² _____ psi at _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %

Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)

(a) Top, bottom, ends _____
(b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____

Openings: Handholes, No. _____ Size _____ Location _____

Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ (Number) _____ Legs _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Where & How)

¹ If Postweld Heat-Treated.

² List other internal or external pressure with coincident temperature when applicable.

No. 88-5033
 RECORD PACKAGE 16 OF 17
 PAGE 8

FORM NO. 2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provisions of the ASME Code Rules

(a) Manufactured by Henry Vogt Machine Co., Louisville, KY (Name and address of Manufacturer of part)

(b) Manufactured for Pennsylvania Power & Light, Berwick, PA (Name and address of completed nuclear component) 94-024-004

2. Identification-Manufacturer's Serial No. of Part PN 16957 Nat'l Bd. No.

(a) Constructed According to Drawing No. F-45031, R.8. Drawing Prepared by Henry Vogt Machine Co.

(b) Description of Part Inspected Discs, SA 479 T.410 (Chemistry Only) - Material Code MIA

(c) Applicable ASME Code: Section III, Edition 1980 Addenda date S'81 Case No. Class 3

3. Remarks: Sub assembly consisting of Disc - P.N. 16957, Disc Nut - P.N. 31255 and Stem - P.N. 19887 (Brief description of service for which component was designed)

Order 216875 - 2 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 Aug. 30, 19 93 Signed Henry Vogt Machine Co. (Manufacturer)

Certificate of Authorization Expires 1/6/96 Certificate of Authorization No. N-948

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at

Stress analysis report on file at

Design specifications certified by Prof. Eng. State Reg. No.

Stress analysis report certified by Prof. Eng. State Reg. No.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Kentucky and employed by Commercial Union Ins. Co. of Boston, MA

have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on August 18, 19 93, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.

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

Date Aug. 30, 19 93

Inspector's Signature [Signature] Commissions Kentucky #254 National Board, State, Province and No.

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) a reference to the information in items 1-2 on this data report is included on each sheet, and (2) each sheet is numbered and number of sheets is recorded in item 3, Remarks.

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

Manufactured and certified by Senior Engineering Company, Berlin Operations, 242 S. Pearl St., Berlin, WI 54923
(Name and address of N Certificate Holder)

Manufactured for Cooper Energy Services, Cooper-Bessemer Reciprocating, 150 Lincoln Ave., Grove City, PA
(Name and address of Purchaser)

3. Location of installation Pennsylvania Power and Light Company, Susquehanna Steam Electric Station, Allentown, PA
(Name and address)

4. Type: Vertical --- Heat Exchanger 14455-01-2 --- D-14455-L-100(A) 8302 1994
(short. or vert.) (tank, jacketed, heat ex.) (Cert. Holder's serial no.) (CPN) (drawing no.) (Mat'l. Bd. no.) (year built)

5. ASME Code, Section III, Division 1: 1974 S-74 3 M-242
(edition) (addenda data) (class) (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

6. Shell: N/A N/A N/A N/A N/A N/A
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))

7. Seams: N/A N/A N/A N/A N/A N/A N/A N/A
(long.) (HT¹) (RT) (left. %) (grth) (HT¹) (RT) (no. of courses)

8. Heads: N/A N/A N/A N/A
((a) mat'l. spec. no.) (tensile strength) ((b) mat'l. spec. no.) (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(b)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

If removable, bolts used N/A N/A Other fastening N/A
(mat'l. spec. no., size, quantity) (describe or attach sketch)

9. Jacket closure: N/A
(Describe as open & weld, bar, etc. If bar, give dimensions, describe or sketch)

10. Design pressure² N/A at max. temp. N/A Min. pressure-test temp. N/A Pneu., hydro., or comb. test pressure N/A
(psi) (°F) (°F) (psi)

Items 11 and 12 to be completed for tube sections.

11. Tubesheets: SB-171-706 28 1/2" x 20 3/4" 1 1/8" Welded to Frame
(stationary, mat'l. spec. no.) (dia. in. (subject to press.)) (thickness (in.)) (attachment (welded, bolted))

SB-171-706 28 1/2" x 20 3/4" 1 1/8" Welded to Frame
(floating, mat'l. spec. no.) (dia. (in.)) (thickness (in.)) (attachment)

12. Tubes: SB-111-706 3/8" .035" Avg. 423 Straight
(mat'l. spec. no.) (OD (in.)) (thickness (inches or gage)) (no.) (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

13. Shell: SB-171-706 40,000 1 1/4" .133" 25 3/4" x 18" Front: 1 1/4" Rear: 1 5/8"
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))

14. Seams: N/A No N/A 100 N/A No N/A 1 each
(long. (welded, dbl., single)) (HT¹ (yes or no)) (RT) (left. %) (grth) (HT¹) (RT) (no. of courses)

15. Heads: N/A N/A SB-171-706 40,000 SB-171-706 40,000
((a) mat'l. spec. no.) (tensile strength) ((b) mat'l. spec. no.) (tensile strength) ((c) mat'l. spec. no.) (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(b) Channel Front	2"	N/A	N/A	N/A	N/A	N/A	28-1/4"x20-1/2"	N/A
(c) Floating Rear	1 1/2"	N/A	N/A	N/A	N/A	N/A	28-1/4"x20-1/2"	N/A

If removable, bolts used (b) & (c) 77 each, SA-193-B7, 1/2" Diameter Other fastening N/A
(mat'l. spec. no., size, quantity) (describe or attach sketch)

Design pressure² 150 at 200 Min. pressure-test temp. 50 Pneu., hydro., or comb. test pressure 225
(psi) (°F) (°F) (psi)

¹ If postweld heat treated. ² List other internal or external pressure with coincident temperature when applicable.
 * Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2" x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.
 (12/88) This form (E00038) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

17. Nozzles, inspection and safety valve openings:

Purpose (Inlet, outlet, drain, etc.)	Quantity	Dis. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
Inlet-Outlet	2	3.068"	150#RFFLG	Welded	SB-466-706	.216"	N/A	Front Cover
Htr. Inlet-Outlet	2	1.660"	NPT-CPLG	Welded	SB-171-706	.295"	N/A	Front Cover
Drain	4	1/2"	NPT-TAP	N/A	N/A	N/A	N/A	Front Cover
Vent	2	1/2"	NPT-TAP	N/A	N/A	N/A	N/A	Rear Cover
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

18. Supports: Skirt No Lugs N/A Legs N/A Other Side Frames Attached Welded to Tubesheets
(type or no) (quantity) (quantity) (describe) (where & how)

19. Remarks: Intercooler. Tube Fluid: Water, Fin Side: Air. Number of Passes: Tubes - 2, Fins - 1.

CERTIFICATION OF DESIGN

Design specification certified by John M. Horne P.E. State PA Reg. no. PE-032977-E
 Design report certified by David H. Pritzl P.E. State WI Reg. no. E-18378

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2811 Expires November 3, 1995
 Date 9/21/94 Name Senior Engineering Company, Berlin Signed Steve D. Kella
(N Certificate Holder) Operations (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Commercial Union Insurance Company of Boston, Massachusetts have inspected the component described in this Data Report on 9-21-94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

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

Date 9-21-94 Signed David E. Enquist Commissions NB 10353 B.N.
(Authorized Insp. (10)) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____
 Date _____ Name _____ Signed _____
(N Certificate Holder) (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

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

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

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*

As Required by the Provisions of the ASME Code, Section III, Division 1

- Manufactured and certified by Senior Engineering Company, Berlin Operations, 242 S. Pearl St., Berlin, WI 54923
(name and address of N Certificate Holder)
- Manufactured for Cooper Energy Services, Cooper-Bessemer Reciprocating, 150 Lincoln Ave., Grove City, PA
(name and address of Purchaser)
- Location of installation Pennsylvania Power and Light Company, Susquehanna Steam Electric Station, Allentown, PA
(name and address)
- Type: Vertical Heat Exchanger 14455-01-1 D-14455-L-100(A) 8301 1994
(horiz. or vert.) (tank, jacketed, heat ex.) (Cert. Holder's serial no.) (CRN) (drawing no.) (Mat'l. Id. no.) (year built)
- ASME Code, Section III, Division 1: 1974 S-74 3 N-242
(edition) (addenda date) (class) (Code Case no.)

Items 6-10 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

- Shell: N/A N/A N/A N/A N/A N/A
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
- Seams: N/A N/A N/A N/A N/A N/A N/A N/A
(long.) (HT¹) (RT) (left. %) (grth) (HT¹) (RT) (no. of courses)
- Heads: N/A N/A N/A N/A
(a) mat'l. spec. no. (tensile strength) (b) mat'l. spec. no. (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(b)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

If removable, bolts used N/A N/A Other fastening N/A
(mat'l. spec. no., size, quantity) (describe or attach sketch)

- Jacket closure: N/A
(Describe as open & weld, bar, etc. If bar, give dimensions, describe or sketch)
- Design pressure² N/A at max. temp. N/A. Min. pressure-test temp. N/A. Pneu., hydro., or comb. test pressure N/A
(psi) (°F) (psi)

Items 11 and 12 to be completed for tube sections.

- Tubesheets: SB-171-706 28 1/2" x 20 3/4" 1 1/8" Welded to Frame
(stationary, mat'l. spec. no.) (dia. in. (subject to press.)) (thickness (in.)) (attachment (welded, bolted))
SB-171-706 28 1/2" x 20 3/4" 1 1/8" Welded to Frame
(floating, mat'l. spec. no.) (dia. (in.)) (thickness (in.)) (attachment)
- Tubes: SB-111-706 3/8" .035" Avg. 423 Straight
(mat'l. spec. no.) (OD (in.)) (thickness (inches or gage)) (no.) (type (straight or U))

Items 13 to 16 inclusive to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

- Shell: SB-171-706 40,000 1 1/4" .133" 25 3/4" x 18" Front: 1 1/4" Rear: 1 5/8"
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
- Seams: N/A No N/A 100 N/A No N/A 1 each
(long. (welded, dbl., single)) (HT¹ (yes or no)) (RT) (left. %) (grth) (HT¹) (RT) (no. of courses)
- Heads: N/A N/A SB-171-706 40,000 SB-171-706 40,000
(a) mat'l. spec. no. (tensile strength) (b) mat'l. spec. no. (tensile strength) (c) mat'l. spec. no. (tensile strength)

	Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a)	Top, bottom, ends	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
(b)	Channel Front	2"	N/A	N/A	N/A	N/A	N/A	28-1/4"x20-1/2"	N/A
(c)	Floating Rear	1 1/2"	N/A	N/A	N/A	N/A	N/A	28-1/4"x20-1/2"	N/A

If removable, bolts used (b) & (c) 77 each, SA-193-B7, 1/2" Diameter N/A
(mat'l. spec. no., size, quantity) (describe or attach sketch)

- Design pressure² 150 at 200. Min. pressure-test temp. 50. Pneu., hydro., or comb. test pressure 225
(psi) (°F) (psi)

¹ If postweld heat treated. ² List other internal or external pressure with coincident temperature when applicable.
* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2" x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.
(12/88) This form (E00038) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

17. Nozzles, inspection and safety valve openings:

Purpose (Inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
Inlet-Outlet	2	3.068"	150#RFFLG	Welded	SB-466-706	.216"	N/A	Front Cover
Int. Inlet-Outlet	2	1.660"	NPT-CPLG	Welded	SB-171-706	.295"	N/A	Front Cover
Drain	4	1/2"	NPT-TAP	N/A	N/A	N/A	N/A	Front Cover
Vent	2	1/2"	NPT-TAP	N/A	N/A	N/A	N/A	Rear Cover
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

18. Supports: Skirt No Lugs N/A Legs N/A Other Side Frames Attached Welded to Tubesheets
(yes or no) (quantity) (quantity) (describe) (where & how)

19. Remarks: Intercooler. Tube Fluid: Water, Fin Side: Air. Number of Passes: Tubes - 2, Fins - 1.

CERTIFICATION OF DESIGN

Design specification certified by John M. Horne P.E. State PA Reg. no. PE-032977-E
 Design report certified by David H. Pritzl P.E. State WI Reg. no. E-18378

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this nuclear vessel conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2811 Expires November 3, 1995
 Date 9/21/94 Name Senior Engineering Company, Berlin Signed Henry D. Miller
(N Certificate Holder) (Operations) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Commercial Union Insurance Company

of Boston, Massachusetts have inspected the component described in this Data Report on 9-21-94, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

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

Date 9-21-94 Signed David J. Jewquist Commissions NB 10353 B.N.
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this nuclear vessel conforms to the rules of construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. _____ Expires _____
 Date _____ Name _____ Signed _____
(N Certificate Holder) (authorized representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____

of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

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

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

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/05/95
 Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:
 WA #S43476 522# C94-030-128
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None
 Authorization N/A
 Expiration Date N/A

4. Identification of System 0300 - Control Structure Chilled Water

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) PIPE SUPPORT BOLTS	GRINNELL/BECHTEL	N/A	N/A	HRC-17-H3	1982	REPLACED	NO
1) PIPE SUPPORT BOLTS	R.E.C. CORP	N/A	N/A	HRC-17-H3	1982	REPLACEMENT	NO

7. Description of Work Changeout of bolting required by NCR-94-012 due to defective bolting.

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

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

FORM NIS-2 (Back)

9. Remarks VT-3 PERFORMED ON INSTALLED BOLTING.

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

Type Code Symbol Stamp N/A

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

Signed: [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/6/95 to 5/1/95, 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. **FACTORY MUTUAL ENG. ASSOC.**

[Signature] Commissions NB 7866 PAWC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Page 4 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 054A - Emergency Service Water

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) STUDS	BYRON JACKSON	N/A	N/A	OP504A	1978	REPLACED	NO
2) STUDS	CARDINAL	HT# N010D	N/A	OP504A	1985	REPLACEMENT	NO
3) NUTS	BYRON JACKSON	N/A	N/A	OP504A	1978	REPLACED	NO
4) NUTS	TEXAS BOLT	HT# 57988	N/A	OP504A	1994	REPLACEMENT	NO

7. Description of Work See Page 6

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 6
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/2/95 to 4/28/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA W 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 2 of 6
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
- PO Box 467, Berwick, PA 18603 See Page 4 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 054A - Emergency Service Water
5. (a) Applicable Construction See Page 5 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) STUDS	BYRON JACKSON	N/A	N/A	OP504B	1978	REPLACED	NO
6) STUDS	HUB	HT# Y6	N/A	OP504B	1985	REPLACEMENT	NO
7) NUTS	BYRON JACKSON	N/A	N/A	OP504B	1978	REPLACED	NO
8) NUTS	JOHN SMITH	HT# 010067	N/A	OP504B	1993	REPLACEMENT	NO
9) STUDS	BYRON JACKSON	N/A	N/A	OP504B	1978	REPLACED	NO
10) STUDS	A&G ENGR	HT# 681924EQR	N/A	OP504B	1987	REPLACEMENT	NO
11) NUTS	BYRON JACKSON	N/A	N/A	OP504B	1978	REPLACED	NO
12) NUTS	TEXAS BOLT	HT# 8097521	N/A	OP504B	1992	REPLACEMENT	NO
13) 4" PIPE FLANGE	BECHTEL	N/A	N/A	HRC-3-2	1982	REPLACED	NO
14) 4" PIPE FLANGE	WFI NUCLEAR	HT# 539TNT	N/A	HRC-3-2	1991	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name See Page 4 For Work Documents
PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.
Address

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name Authorization N/A
Two North Ninth St., Allentown, PA 18101 Expiration Date N/A
Address

4. Identification of System 054A - Emergency Service Water

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,3,5,7,9,11,13,15	ASME SEC III; CLASS 3; 1971 EDITION; WINTER 1972 ADDENDA
2,6	ASME SEC III; CLASS 1; 1983 EDITION; SUMMER 1984 ADDENDA
4	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA
8	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA
10	ASME SEC III; CLASS 1; 1971 EDITION; WINTER 1972 ADDENDA
12	ASME SEC III; CLASS 3; 1986 EDITION; NO ADDENDA
14	ASME SEC III; CLASS 2; 1989 EDITION; NO ADDENDA
16	ASME SEC III; CLASS 3; 1980 EDITION; WINTER 1981 ADDENDA

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

1. Owner <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Date <u> 07/19/95 </u> Sheet <u> 6 </u> of <u> 6 </u>
2. Plant <u> Susquehanna Steam Electric Station </u> <small style="margin-left: 100px;">Name</small> <u> PO Box 467, Berwick, PA 18603 </u> <small style="margin-left: 100px;">Address</small>	Unit <u> 1: </u> See Page 4 For Work Documents <small style="margin-left: 100px;">Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol <u> None </u> Authorization <u> N/A </u> Expiration Date <u> N/A </u>

4. Identification of System 054A - Emergency Service Water

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 8	BOLTING FOUND TO BE CORRODED
9 THRU 12	PUMP'S SUCTION BELL/TOP STUDS AND NUTS REPLACED
13 THRU 16	FLANGE AND PIPING DOWNSTREAM OF 0-11-044 WAS REPLACED
Item (s)	Description of Tests
1 THRU 12	NON VT-2 PER FORM 480
13 THRU 16	VT-2 PER SE-054-301

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

1. Owner Pennsylvania Power & Light Co. Date 7/5/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Page 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 054B - Emergency Service Water Spray System
5. (a) Applicable Construction See Page 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) STUDS	BECHTEL	N/A	N/A	HRC-1-90-M4 HRC-1-90-M5	1982	REPLACED	NO
2) STUDS	TEXAS BOLT	HT# 8885694	N/A	HRC-1-90-M4 HRC-1-90-M5	1986	REPLACEMENT	NO
3) NUTS	BECHTEL	N/A	N/A	HRC-1-90-M4 HRC-1-90-M5	1982	REPLACED	NO
4) NUTS	CAPITAL / CARDINAL	HT# 03372	N/A	HRC-1-90-M4 HRC-1-90-M5	1985	REPLACEMENT	NO

7. Description of Work See Page 5

8. Tests Conducted: Hydrostatic Pneumati Nominal Operating Pressur See Page 5
 Othe Pressur psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 Date N/A

Signed [Signature] Date July 20, 19 95
[Signature] (Owner or Owner's Designee, Title) V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/5/95 to 4/20/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature]
Inspector's Signature

Commissions NB7866 PA WP. 24619 AN11
National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 7/5/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 4 of 5

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

 See Page 3 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 054B - Emergency Service Water Spray System

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 3	ASME SEC III; CLASS 3; 1971 EDITION; WINTER 1972 ADDENDA
2, 4	ASME SEC III; CLASS 1; 1983 EDITION; SUMMER 1984 ADDENDA
5, 6	SPRAY POND RISER ELEMENT IS NON ASME, 4" 150# FLANGE IS ASME SEC III; CLASS 3

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 7/5/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 5 of 5

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

See Page 3 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 054B - Emergency Service Water Spray System

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 4' 5,6	DUE TO INSUFFICIENT THREAD ENGAGEMENT BOLTING TO VALVE REPLACED LEVEL ELEMENT REPLACED
Item (s)	Description of Tests
1 THRU 6	VT-2 PER SE-116-301

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/05/95

Sheet 1 of 4

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:

See Page 2 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 116A - RHR Service Water

5. (a) Applicable Construction See Page 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) BUTTERFLY VALVE	JAMESBURY	ND21305-03C	N/A	HV11210B	1978	REPLACED	YES
2) BUTTERFLY VALVE	JAMESBURY	ND2135-11B	N/A	HV11210B	1994	REPLACEMENT	YES
3) 20" CARBON STEEL PIPING	BECHTEL	HRC-112-1	N/A	HRC-112-1	1978	REPAIR	NO

7. Description of Work See Page 4

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 4
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/9/95 to 4/21/95, 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. FACTORY MUTUAL ENG. ASSOC.

[Signature]
Inspector's Signature

Commissions NB7766 PAWC24619 AN11
National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/05/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 4
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Page 2 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 116A - RHR Service Water

5. (a) Applicable Construction See Page 3 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 2	ASME SEC III; CLASS 3; 1974 EDITION; NO ADDENDA; CODE CASE 1773
3	ASME SEC III; CLASS 3; 1971 EDITION; WINTER 1972 ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 07/05/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 4 of 4
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Page 2 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 116A - RHR Service Water

5. (a) Applicable Construction See Page 3 19 Edition, Addenda, 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

Item (s)	Description of Work
1,2	IN SUPPORT OF COATING REPAIRS P42455 VALVE HV11210B WAS REMOVED AND REPLACED
3	DUE TO DIMINISHED WALL THICKNESS, WELD BUILD-UP ON INTERIOR OF HRC-112-1 WAS
	NECESSARY
Item (s)	Description of Tests
1,2,3	VT-2 DURING SE-116-301

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts	ASME SA 515		
BKD-4	Gr. 70	Lukens	Body
	ASME SA 479		
BOH-13	Ty. 316	Colt	Plug

9. Hydrostatic test 425 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974.
 Addenda N/A, Code Case No. 1773, Date Oct. 30, 1978
 Signed Jamesbury Corp. by Thomas A. Bibby
(Date) (Manufacturer)
 Our ASME Certificate of Authorization No. N-1228 to use the N symbol expires Nov. 30, 1978
(N) (NFV) (Date)

CERTIFICATION OF DESIGN

Design information on file at Bechtel Power Corp. San Francisco, CA
 Stress analysis report (Class 1 only) on file at N/A
 Design specifications certified by (1) John R. Schmiedel
 PE State PA Reg. No. 19870E
 Stress analysis certified by (1) N/A
 PE State N/A Reg. No. N/A
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Ill. and employed by Lumbermen's Mut'l Casualty Co. or Long Grove, Ill. have inspected the pump, or valve, described in this Data Report on 11-2 19 78, and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 11-2 19 78
Franky Adams (Inspector) Commissions CH528
(Natl Bd., State, Prov. and No.)

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

1. Owner Pennsylvania Power & Light Co. Date 07/05/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1.
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 WA# S84642 5222# C88-125-188
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 125A - Primary Containment Instrument Gas
5. (a) Applicable Construction ASME SEC III 19 74 Edition, Winter '74 Addenda, 242 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '80 W'80
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) MAIN DISC	TARGET ROCK	75KK-206-1	N/A	SV 12651	1977	REPLACED	NO
2) MAIN DISC	TARGET ROCK	S/N 4.TRC P/N 200587-1	N/A	SV 12651	1980	REPLACEMENT	YES

7. Description of Work Replace Main Disc Due to Leakage.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2 during SE-159-037
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks THIS NIS-2 REFLECTS THE CURRENT CONFIGURATION OF SV12651.

Applicable Manufacturer's Data Reports to be attached

MANUFACTURE'S DATA REPORTS 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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/10/95 to 7/27/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 5966 PAWC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

(a) Manufactured by TARGET ROCK CORP., 1966E, Broadhollow Rd., E. Farmingdale, N.Y.

Manufactured for Pennsylvania Power & Light Co., Allentown, Pa.

Identification-Manufacturer's Serial No. of Part See attachment

(a) Constructed According to Drawing No. Attachment Drawing Prepared by TARGET ROCK CORP.

(b) Description of Part Inspected See attachment.

(c) Applicable ASME Code Section III, Edition 1974-1980*, Winter 74-W 80*, Class 2

Remarks: (2-Sheets) SEE ATTACHMENT

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.

March 31 19 80 signed Target Rock Corp. By G. Abruzzo, Mgr. Quality

Issue of Authorization Expires 12/9/80 Certificate of Authorization No. 1948

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file as TARGET ROCK CORPORATION

No. 90-8349 RECORD PACKAGE PAGE 3 OF 17

Stress analysis report on file as ---

Design specifications certified by --- Prof. Eng. State --- Reg. No. ---

Stress analysis report certified by --- Prof. Eng. State --- Reg. No. ---

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of New York and employed by Commercial Union Insurance Co. of Boston, Mass.

Have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on 3/31 19 80, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.

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

Inspector's Signature: William A. Roland, 3/31 19 80

NEW YORK STATE COMMISSION NO. 2288

Commissions: NEW YORK COMMISSIONED IN Penn., Ohio & Conn. National Board, State, Province and No.

Revised - Rereferenced to W1980: Copy - S/N 426 Disc Only G. Abruzzo, Q.A. Manager Date 6-15-83 M.C. Kuderna, ANI, Date 7/17/83

(a) Manufactured by TARGET ROCK CORP., 1966E. Broadhollow Rd., E. Farmingdale, N.Y.
(Name and address of Manufacturer of part)

(b) Manufactured for Pennsylvania Power & Light Co., Allentown, Pa.
(Name and address of Manufacturer of completed nuclear component)

2. Identification—Manufacturer's Serial No. of Part See Below Nat'l Bd. No. —

NAME	PART NUMBER	QTY.	SERIAL #'S	CLASS
1. Disc, Main Assembly	200391-1	7	535,484,451, 538,426,415, 423	2
2. Bonnet Assembly	200479-3	5	461,456,425, 458,454	"
3. Bonnet Assembly	200480-2	1	467	"
4. Disc, Main Assembly	200587-1	2	3,4	"
5. Bonnet Assembly	200620-1	2	130,132	"
6. Bonnet Assembly	200521-2	2	466,469	"
7. Disc, Main	102177-1	2	188,189	"

No. 90-0349
 RECORD PACKAGE
 PAGE 4 OF 17

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/19/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 6

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

PO Box 467, Berwick, PA 18603
Address

See Page 4 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 125A - Primary Containment Instrument Gas

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 1" SCH 40 SS PIPE	TIOGA	HT# A4559H	N/A	SP-HCC-139-1	1991	REPLACED	NO
2) 1" SCH 40 SS PIPE	SANDVIK	HT# 461759	N/A	SP-HCC-139-1	1991	REPLACEMENT	NO
3) 1" 150# SCH 40 FLANGE	IDEAL FORGING	HT# C3380	N/A	SP-HCC-139-1	1988	REPLACED	NO
4) 1" 150# SCH 40 FLANGE	IDEAL FORGING	HT# 683737	N/A	SP-HCC-139-1	1989	REPLACEMENT	NO

7. Description of Work See Page 6

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 6
Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/2/05 to 4/27/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB7866 PA WP 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 6
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Page 4 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 125A - Primary Containment Instrument Gas
5. (a) Applicable Construction See Page 5 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) MAIN DISC	TARGET ROCK	N/A	N/A	SV-12643	1981	REPLACED	NO
6) MAIN DISC	TARGET ROCK	S/N 459	N/A	SV-12643	1981	REPLACEMENT	NO
7) BONNET ASSY	TARGET ROCK	N/A	N/A	SV-12643	1981	REPLACED	NO
8) BONNET ASSY	TARGET ROCK	S/N 2084	N/A	SV-12643	1984	REPLACEMENT	YES
9) 1" GLOBE VALVE	VALCOR	S/N 1	N/A	PCV-12643	1992	REPLACED	YES
10) 1" GLOBE VALVE	VALCOR	S/N 6	N/A	PCV-12643	1992	REPLACEMENT	YES
11) 1" GLOBE VALVE	VALCOR	S/N 6	N/A	PCV-12643	1992	REPLACED	YES
12) 1" GLOBE VALVE	VALCOR	S/N 3	N/A	PCV-12643	1992	REPLACEMENT	YES
13) 1" INST GAS BOTTLES HDR VALVE	TARGET ROCK	S/N 75KK-210-2	N/A	SV-12648	1981	REPAIRED	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Page 4 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 125A - Primary Containment Instrument Gas

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 3	ASME SEC III; CLASS 2; 1986 EDITION; NO ADDENDA
2	ASME SEC III; CLASS 1; 1989 EDITION; NO ADDENDA
4	ASME SEC III; CLASS 2; 1989 EDITION; NO ADDENDA
5, 6, 7, 8, 13	ASME SEC III; CLASS 3; 1980 EDITION; W'80 ADDENDA
9,10,11,12,14,15	ASME SEC III; CLASS 3; 1986 EDITION; NO ADDENDA

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/19/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 6 of 6

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

See Page 4 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 125A - Primary Containment Instrument Gas

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, 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

Item (s)	Description of Work
1, 2, 3, 4	REPLACED FLANGE AND PIPING DUE TO MISALIGNMENT OF PSV12648
5,6,7,8	REPLACED BONNET OF SV-12643 DUE TO LEAKING PAST SEAT
9,10,11,12	VALVE WAS FOUND NOT REGULATING PRESSURE PROPERLY (REPLACED TWICE)
13	VALVE INTERNALS REMOVED AS NEEDED TO SUPPORT TP-125-016
14,15	VALVE REPLACED DUE TO DIRT INSIDE OF VALVE
Item (s)	Description of Tests
1, 2, 3, 4, 14, 15	NON VT-2 FORM 480
9,10,11,12	TP-125-007 NON VT-2
5,6,7,8,13	NO TESTING REQUIRED

Certificate Holder & Serial No. _____

8. Design conditions _____ (pressure) _____ (temperature) _____ (P or Valve pressure class) _____ (1)

9. Cold working pressure 3500 _____ psi at 100°F

10. Hydrostatic test 5425 _____ psi Disk differential test pressure 4150 _____ psi

11. Remarks: Body P/N V52010-06-11, Housing, Spring V52091-06-7, SA479-316
L/N U445NU, V52047-6-11, Retainer, Seat SA479-316, L/N Q699NU

CERTIFICATION OF DESIGN

Design Specification certified by Dale Sattar _____ P.E. State Penn _____ Reg. no. 019525-E
Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1. N1076
N Certificate of Authorization No. _____ Expires 5/6/93
Date 12/16/92 Name Valcor Engineering Corp. Signed _____ (Authorized representative)
(N 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 Jersey _____ and employed by Factory Mutual _____ of Norwood, Massachusetts _____ have inspected the pump, or valve, described in this Data Report on 12/16/92 _____, 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. *Allendale Ins. Co.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 12/16/92 Signed _____ (Authorized Inspector) Commissions N-820 _____ (Natl. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Target Rock Corporation 1966E-Broadhollow Rd E. Farmingdale, N.Y. 11735
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power and Light Co. Berwick, Pennsylvania 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification Certificate Holder's Serial No. Part As Balow Part's Sd. No. _____ CRN No. _____
 (a) Constructed According to Drawing No. 300539-1 Drawing Prepared by Target Rock Corporation
 (b) Description of Part Inspected Bonnet Assembly
 (c) Applicable ASME Code: Section III, Edition 1980; Addenda date W 1980; Case No. _____ Class 3
 3. Remarks: Spare Part
 (Brief description of service for which component was designed.)
300539-1 S/N. 2084, 2049

Items 4-8 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nom. Thk. _____ in. Corr. Allow. _____ in. Diam. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. or range specified)

5. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location (top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diam. Side to Pressure (convex or concave)
 (a) _____
 (b) _____
 If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe as open and weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

8. (a) Design Pressure² _____ psi at _____ ° F (b) Min. Pressure-Test Temp. _____ ° F

Items 9 and 10 to be completed for tube sections.

9. Tube Sheets: Stationary: Material _____ Diam. _____ in. Thk. _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pres.) (Welded, bolted)

Floating: Material _____ Diam. _____ in. Thk. _____ in. Attachment _____

10. Tube Material _____ O.D. _____ in. Thk. _____ in. or gage Number _____ Type _____
(Straight or U)

Items 11-14 inclusive to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nom. Thk. _____ in. Corr. Allow. _____ in. Diam. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. or range specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material SA-516-70 T.S. 50,000 (b) Material _____ T.S. _____
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diam. Side to Pressure (convex or concave)
 (a) Top, bottom, ends _____
 (b) Channel _____
 If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
 (Describe or attach sketch)

14. (a) Design Pressure² _____ psi at _____ ° F (b) Min. Pressure-Test Temp. _____ ° F

¹ If postweld heat-treated. ² List other internal or external pressures with coincident temperature when applicable.
 Supplemental sheets in form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 in. x 11 in.; (2) information in Items 1 and 2 of this Data Report is included on each sheet; and (3) each sheet is numbered and number of sheets is recorded in item 3, Remarks.

84-343
26.0.92

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____
16. Nozzles: _____
 Purpose (Inlet, outlet, drain) _____ Number _____ Stem, or Size _____ Type _____ Material _____ Thickness _____ Reinforcement Material _____ How Attached _____
17. Inspection Manholes: No. _____ Size _____ Location _____
 Openings: Handholes: No. _____ Size _____ Location _____
 Threaded: No. _____ Size _____ Location _____
18. Supports: Skirt _____ Lugs (Number) _____ Legs (Number) _____ Other (Describe) _____ Attached _____ (Where & how)

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 Design Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Design Report if the appurtenance is not included in the component Design Specification and Design Report.)

Date Jan 20 19 84 Signed Target Rock Corp. By G. Abruzzo, Mgr. of Quality
 (NPT Certificate Holder)
 Certificate of Authorization Expires 12/9/86 Certificate of Authorization No. 1948

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Target Rock Corporation

Stress analysis reports on file at _____

Design specifications certified by Lawrence S. Loomer Prof. Eng. State PA Reg. No. 19675B

Stress analysis report certified by _____ Prof. Eng. State _____ Reg. No. _____

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Provin. of New York and employed by Commercial Union Insurance Co. of Spring Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 1/20 19 84, and state that, to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code, Section III.

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

Date 1/20 19 84
William J. McLeod NEW YORK STATE COMMISSION NO. 2288
 Inspector's Signature Commissions ALSO COMMISSIONED IN Penn., Ohio & Conn.
 National Board, State, Province and No.

No. 84-313
 RECORD PACKAGE
 PAGE 27 of 96

(a) Manufactured by TARGET ROCK CORP., 1966 E. Broad Hollow Rd., Farmingdale, N.Y.
(Name and address of Manufacturer of part)
Manufactured for Pennsylvania Power & Light Co., Allentown, Pa.
(Name and address of Manufacturer of completed nuclear component)
Identification—Manufacturer's Serial No. of Part See attachment Part Id. No. See attachment
(a) Constructed According to Drawing No. Attachment Drawing Prepared by TARGET ROCK CORP.
(b) Description of Part Inspected See attachment
(c) Applicable ASME Code Section III, Edition 1974-1980, Winter 74-W-80*, Addenda date ---, Case No. ---, Class 2
Remarks (2-Sheets) SEE ATTACHMENT
(Brief description of service for which component was designed)

To certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code case to the rules of construction of the ASME Code Section III, 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.

March 31, 1980 signed Target Rock Corp. by G. Abuzzo, Mgr. Quality
(Manufacturer)
Date of Authorization Expires 12/9/80 Certificate of Authorization No. 1048

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at TARGET ROCK CORPORATION No. 90-6349
Stress analysis report on file at --- RECORD PACKAGE
Design specifications certified by --- Prof. Eng. State --- Reg. No. --- PAGE 3 OF 17
Stress analysis report certified by --- Prof. Eng. State --- Reg. No. ---

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of New York and employed by Commercial Union Insurance Co. of Boston, Mass. have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on 3/31 1980 and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 3/31 19 80
William D. Boland NEW YORK STATE COMMISSION NO. 2288
Inspector's Signature Commissions 2 RECORDED IN PER. ONI & CONN.
National Board, State, Province and No.

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in 3W, 215; (2) information is included on each sheet; and (3) each sheet is numbered and number of sheets is recorded in item 5.

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CONFIDENTIAL - FOR USE ONLY BY THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS
S/N 426 Disc Only
G. Abuzzo, D. A. Hanagert
6-7-5-8
Date
Date
Date

1. (a) Manufactured by TARGET ROCK CORP., 1966E Broadhollow Rd., E. Farmingdale, N.Y.
(b) Manufactured for Pennsylvania Power & Light Co., Allentown, Pa.
2. Identification-Manufacturer's Serial No. of Part See Below

191033821105

NAME	PART NUMBER	QTY.	SERIAL #'S	CLASS
1. Disc, Main Assembly	200391-1	7	535,484,451; 538,426,415; 423	2
2. Bonnet Assembly	200479-3	5	461,456,425, 458,454	11
3. Bonnet Assembly	200480-2	1	467	11
4. Disc, Main Assembly	200587-1	2	3,4	11
5. Bonnet Assembly	200620-1	2	130,132	11
6. Bonnet Assembly	200521-2	2	466,469	11
7. Disc, Main	102177-1	2	188,189	11

No. 90-0379
RECORD PACKAGE
PAGE 4 OF 17

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Page 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 134D - Core Spray Pump Room Cooling
5. (a) Applicable Construction See Page 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) LOWER FLEX HOSE	ANACONDA	N/A	N/A	1E231C	1987	REPLACED	NO
2) LOWER FLEX HOSE	ANAMET	ID# 694-507645-01	N/A	1E231C	1994	REPLACEMENT	NO
3) LOWER FLEX HOSE	ANAMET	N/A	N/A	1E231D	1993	REPLACED	NO
4) LOWER FLEX HOSE	ANAMET	ID# 694-507645-01	N/A	1E231D	1994	REPLACEMENT	NO

7. Description of Work See Page 5

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 5
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/3/95 to 5/1/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature]
Inspector's Signature

Commissions NB 7866 PA WP 24619 AN11
National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 4 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Page 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 134D - Core Spray Pump Room Cooling

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1 THRU 12	ANSI B31.1

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/06/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 5 of 5

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

 See Page 3 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 134D - Core Spray Pump Room Cooling

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 12	REPLACE FLEX HOSES DUE TO LEAKAGE
Item (s)	Description of Tests
1,2,7,8	VT-2 DURING SE-054-301-2
3,4,5,6	VT-2 DURING SE-054-301-1
9,10,11,12	VT-2 DURING SE-054-301

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

1. Owner Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Date 07/06/95

Sheet 1 of 3

2. Plant Susquehanna Steam Electric Station
Name
PO Box 467, Berwick, PA 18603
Address

Unit 1:

WA# S53253 522# 95-134-003
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 134E - HPCI Pump Room Cooling

5. (a) Applicable Construction See Page 3 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 2" SCH 40 SS PIPE	PP&L	N/A	N/A	SP-HRC-122-2	1989	REPLACED	NO
2) 2" SCH 40 SS PIPE	KOBE STEEL	HT# V20376	N/A	SP-HRC-122-2	1992	REPLACEMENT	NO
3) 2" 90° ELBOW	PP&L	N/A	N/A	SP-HRC-122-2	1989	REPLACED	NO
4) 2" 90° ELBOW	ALLOY STAINLESS	HT# HS	N/A	SP-HRC-122-2	1986	REPLACEMENT	NO

7. Description of Work Slight Leakage at elbow requires replacement of piping section

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2 per SE-154-310
Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 10/18/94 to 5/1/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7766 PAWC 54619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 3
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 WA# S53253 522# 95-134-003
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 134E - HPCI Pump Room Cooling
5. (a) Applicable Construction See Page 3 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 2, 3	ASME SEC III; CLASS 2 1971 EDITION; WINTER 1972 ADDENDA; CODE CASE N316
4, 5, 6	ASME SEC III; CLASS 2 1989 EDITION; NO ADDENDA

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/06/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 6

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

PO Box 467, Berwick, PA 18603
Address

See Page 4 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 134G - RHR Pump Room Cooling

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) UPPER COOLER FLEX HOSE	ANACONDA	N/A	N/A	1E230B	1987	REPLACED	NO
2) UPPER COOLER FLEX HOSE	ANAMET	034-505916-01-002	N/A	1E230B	1994	REPLACEMENT	NO
3) UPPER COOLER FLEX HOSE	ANACONDA	N/A	N/A	1E230B	1987	REPLACED	NO
4) UPPER COOLER FLEX HOSE	ANAMET	034-505916-01-004	N/A	1E230B	1994	REPLACEMENT	NO

7. Description of Work See Page 6

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 6
Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 Date N/A

Signed [Signature] Date July 21, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/20/95 to 4/10/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB7866 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 6
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Page 4 For Work Documents
Address
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
Expiration Date N/A
4. Identification of System 134G - RHR Pump Room Cooling
5. (a) Applicable Construction See Page 5 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) UPPER COOLER FLEX HOSE	ANAMET	N/A	N/A	1E230A	1987	REPLACED	NO
6) UPPER COOLER FLEX HOSE	ANAMET	ID# 694-507645-02	N/A	1E230A	1994	REPLACEMENT	NO
7) LOWER COOLER FLEX HOSE	ANAMET	N/A	N/A	1E230A	1987	REPLACED	NO
8) LOWER COOLER FLEX HOSE	ANAMET	ID# 694-507645-02	N/A	1E230A	1994	REPLACEMENT	NO
9) UPPER FLEX HOSE	ANACONDA	N/A	N/A	13230A	1987	REPLACED	NO
10) UPPER FLEX HOSE	ANAMET	034-505916-01-003	N/A	13230A	1994	REPLACEMENT	NO
11) LOWER FLEX HOSE (UPPER)	ANACONDA	N/A	N/A	1E230D	1987	REPLACED	NO
12) LOWER FLEX HOSE (UPPER)	ANAMET	794-508841-02-003	N/A	1E230D	1994	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/06/95

Sheet 5 of 6

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:

 See Page 4 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 134G - RHR Pump Room Cooling

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1 THRU 16	ANSI B31.1

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 6 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name See Page 4 For Work Documents
 PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.
Address

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 134G - RHR Pump Room Cooling

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, 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

Item (s)	Description of Work
1,2,3,4,9,10,11,12	UPPER FLEX HOSES WERE REPLACED DUE TO LEAKAGE
5,6,7,8,13,14,15,16	LOWER FLEX HOSES WERE REPLACED DUE TO LEAKAGE
Item (s)	Description of Tests
1,2,3,4,9,10,11,12,13,14	VT-2 DURING SE-054-301-2
5,6,7,8	VT-2 DURING SE-054-301-1
15,16	VT-2 DURING SE-054-301

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 7/6/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

WA# S23083 522# C93-135-101
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 135B - Fuel Pool Cooling

5. (a) Applicable Construction See Page 2 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 1/2" LEAK OFF PLUG	PACIFIC	N/A	N/A	151060	1976	REPLACED	NO
2) 1/2" LEAK OFF PLUG	CONSOLIDATED	HT# 084K	N/A	151060	1994	REPLACEMENT	NO

7. Description of Work Plug Being changed to install documented plug under SPEC M-1474

8. Tests Conducted: Hydrostatic Pneumati Nominal Operating Pressur NON VT-2 PER FORM 480
 Othe Pressur psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/7/94 to 3/3/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PAWC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 7/6/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 WA# S23083 522# C93-135-101
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 135B - Fuel Pool Cooling

5. (a) Applicable Construction See Page 2 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1 (Valve)	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA; CODE CASES 1622, 1516-1, 1567, AND 1339-9
2	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 07/17/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Page 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 145A - Feedwater
5. (a) Applicable Construction See Page 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 1" GLOBE VALVE STEM AND DISC ASSY	YARWAY	N/A	N/A	141003	1976	REPLACED	NO
2) 1" GLOBE VALVE STEM AND DISC ASSY	YARWAY	FROM B0686	N/A	141003	1979	REPLACEMENT	NO
3) 1" GLOBE VALVE STEM AND DISC ASSY	YARWAY	N/A	N/A	141004	1976	REPLACED	NO
4) 1" GLOBE VALVE STEM AND DISC ASSY	YARWAY	FROM B0582	N/A	141004	1979	REPLACEMENT	NO

7. Description of Work See Page 5
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 5
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks

MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 2 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/11/95 to 5/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB 7866 PA WC 24619 AN11
National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/17/95

Sheet 4 of 5

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:

 See Page 3 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 145A - Feedwater

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,2,5,6	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA
3,4,7,8	ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/17/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 5 of 5

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

See Page 3 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 145A - Feedwater

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 8	VALVES FOUND TO BE LEAKING DURING U17RIO, STEM AND DISC ASSY'S WERE REPLACED
Item (s)	Description of Tests
1 THRU 8	NON VT-2 PER FORM 480

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

As Required by the Provisions of the ASME Code Rules

- 1. Manufactured by Yarway Corporation, Blue Bell, PA Order No. 40761
(Name & Address of Manufacturer)
- 2. Manufactured for Bechtel Power Corporation Order No. 9645-M-251.0
(Name and Address)
- 3. Owner Mississippi Power and Light Company
- 4. Location of Plant Port Gibson, Mississippi
- 5. Pump or Valve Identification Nuclear Service Valves - Serial Numbers
7684 Thru 7688
(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-04 Prepared by Yarway Corporation

(b) National Board No. None

6. Design Conditions 2350 psi 700 °F or Pressure Class _____ (1)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III. Class 1

Edition 1974 Addenda Date Winter 1974 Case No. None

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	A7	AMS 5382	Nova/Howmet	Disc
(b) Forgings	N5	SA 105	Cape Ann Tool Co	Body
	YV 684	SA 193 Gr. B7	Republic Steel	Backseat Bushing

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 3a and 4b on this data report is included on each sheet, and (3) each sheet is numbered and numbered as sheets in reverse order of use.

RECORDED
PAGE 6 OF 25

9 1 1 8 3 1 3 8 2

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Belting None			
(d) Other Parts None			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Power Corporation, Gaithersburg, Maryland
 Stress analysis report on file at Bechtel Power Corp., Gaithersburg, Maryland
 Design specifications certified by Thomas W. Habermas (I) Prof. Eng. State MISS Reg. No. 5054
 Stress analysis report certified by Harold I. Gregg (I) Prof. Eng. State Pa. Reg. No. 9053E
 (I) Signature not required. List name only.

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

Date February 11 19 77 Signed Yarway Corporation By [Signature]
(Manufacturer)

Certificate of Authorization No. N-899 expires October 28, 1977 W. A. Vojser

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Pennsylvania and employed by Phila. Manufacturers Mutual Insurance Co. Phila. PA have inspected the equipment described in this Data Report on February 11 19 77 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 11 19 77

[Signature]
Scott Hewitt
(Inspector)

Commissions NB 6344 PA 2056
(National Board, State, Province and Nov)

No. 41-0137
RECORD PACKAGE
PAGE 7 of 25

*Part of the Factory Mutual System

**Corrected copy - Mfg. Rep [Signature] 11/1/75 ANI. [Signature] 7/1/77

3 8 3 1 1 8 3 9

94-145-002

FORM NP-1 MANUFACTURERS DATA REPORT FOR NUCLEAR PUMPS OR VALVES

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Yarway Corporation, Blue Bell, PA Order No. 60511
(Name & Address of Manufacturer)
2. Manufactured for Bechtel Power Corporation Order No. 9645-M-251.0
(Name and Address)
3. Owner Mississippi Power and Light Company
4. Location of Plant Port Gibson, Mississippi
5. Pump or Valve Identification Nuclear Service Valves - Serial Numbers
7860 Thru 7866
(Brief description of service for which equipment was designed)

- (a) Drawing No. 103271-04 Prepared by Yarway Corporation
- (b) National Board No. NONE
6. Design Conditions 2350 psi 700 °F or Pressure Class 1 (1)
(Pressure) (Temperature)
7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1
 Edition 1974, Addenda Date Winter 1974, Case No. None

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	AB	AMS 5362	Nova/Howmet	Disc
(b) Forgings	R6	SA 105	Cape Ann Tool Co	body
	YW 664	SA 193-87	Republic Steel	Backseat Bushing

(1) For manually operated valves only.

REC'D
PAGE 1

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

3/75 This form (ED0037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

9 1 1 8 5 1 1 2 5

D.O.I.

S/N 7860 thru 7866

FORM NO. 1 (Rev. 11-65)

Part No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting None			
(d) Other Parts None			

Q. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Power Corporation, Gaithersburg, Maryland
 Stress analysis report on file at Bechtel Power Corp., Gaithersburg, Maryland
 Design specifications certified by Thomas W. Habermas (I) Prof. Eng. State ISS Reg. No. 6064
 Stress analysis report certified by Harold I. Gregg (I) Prof. Eng. State Pa. Reg. No. 6053F
 (1) Signature not required. List name only.

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

Date March 18, 19 77 Signed Yarway Corporation by W. A. Yelger
 (Manufacturer)
 Certificate of Authorization No. N-899 expires October 28, 1977

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and for the State or Province of Pennsylvania and employed by Phila. Manufacturers Mutual Insurance Co., Phila. PA have inspected the equipment described in this Data Report on March 18, 19 77, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date March 18 19 77

David L. Gaullary (Inspector) Commissions ND 7525 PA 2159
 (National Board, State, Province and No.)

No. 4121
 RECORD
 PAGE 18 OF 19

*Part of the Factory Mutual System
 **Corrected copy - Mfg. Rep. W. A. Yelger 11/1/78 AMI. 201

94-145-001

1. Manufactured by YARWAY CORPORATION, BLUE HELL, PA 19422 Order No. 60831
(Name & Address of Manufacturer)

2. Manufactured for BECHTEL POWER CORPORATION Order No. 9643-N-251
(Name and Address)

3. Owner MISSISSIPPI POWER AND LIGHT COMPANY

4. Location of Plant PORT GIBSON, MISSISSIPPI

5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE 1"

SERIAL NUMBER(S) B0571 THRU B0595
(Date of description of service for which equipment was designed)

(a) Drawing No. 103271-05 Prepared by YARWAY CORPORATION

(b) National Board No. _____

6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

Revision 1974, Addenda Date WINTER 1974, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	C8	AMS 5385	NOVA/HOWMET CORPORATION	DISC
	C10	AMS 5385	NOVA/HOWMET CORPORATION	DISC
(b) Forgings	B5	SA105	CAPE ANN TOOL COMPANY	BODY
	Y8	SA105	CAPE ANN TOOL COMPANY	BODY
	1764	SA182 Gr. E6a	CYCLOPS CORP.	BACKSEAT BUSHES

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also is 8 1/2" x 11", (2) information in Part 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

3/75 This form (E03517) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017

NO. 91-0139
 RECORD PACKAGE
 PAGE 49 OF 99

9 1 1 8 3 2 1 4 5 0

(c) Detailing NONE

(d) Other Parts NONE

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS W. HABERMAS (I) Prof. Eng. State MTSS Reg. No. 6D64
 Stress analysis report certified by HAROLD I. GREGG (I) Prof. Eng. State PA Reg. No. 9053E
 (I) Signature not required. List name only.

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

Date 12/26 19 79 Signed YARNWAY CORPORATION *[Signature]*
 Manufacturer H. A. VOLGER
 Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO. OF PHILADELPHIA, PA. have inspected the equipment described in this Data Report on _____ 19____ and attest that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 12/24 19 79

[Signature] Commissioner NO 7525- PA 2159
 (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

No. 91-0138
 RECORD PACKAGE
 PAGE 52 OF 99

624
 11/27/68 94-145-00

Manufactured by YARWAY CORPORATION, BLUE BELL, PA. 19422 Order No. 60531
Name & Address of Manufacturer

2. Manufactured for BECHTEL POWER CORPORATION Order No. 9645-M-251.0
Name & Address

3. Owner MISSISSIPPI POWER AND LIGHT COMPANY

4. Location of Plant PORT GIBSON, MISSISSIPPI

5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 1"

SERIAL NUMBER(S) B0646 THRU B0670
(Detail description of service for which equipment was designed)

(a) Drawing No. 103271-05 Prepared by YARWAY CORPORATION

(b) National Board No. _____

6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (1)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

8. Edition 1974, Addenda Date WINTER 1974, Case No. NONE

Q	Mark No.	Material Spec. No.	Manufacturer	Remarks
(b) Castings	C8	AMS 5385	NOVA/HOWMET CORPORATION	DISC
	C10	AMS 5385	NOVA/HOWMET CORPORATION	DISC
(b) Forgings	B5	SA105	CAPE ANN TOOL COMPANY	BODY
	Y8	SA105	CAPE ANN TOOL COMPANY	BODY
	1764	SA162 Gr. E6a	CYCLOPS CORP.	BACKSEAT BUSHING

(1) For manually operated valves only.
 *Supplemental sheets in form of lists, abstracts or drawings may be used provided (1) also in 8 1/2" x 11", (2) information in items 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

(c) Bolting	NONE			
(d) Other Parts	NONE			

8. Hydraulic test 5400 psi.

CERTIFICATION OF DESIGN

9
 Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS W. HABERMAS (1) Prof. Eng. Sect. MISS. Reg. No. SD64
 Stress analysis report certified by HAROLD I. GREGG (1) Prof. Eng. Sect. PA. Reg. No. 9053E
 Signature not required. List name only.

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

Date 12/26/79 Signed YARNAY CORPORATION *W. A. VELGER*
(Manufacturer)
 Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

10
 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 PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO. of PHILADELPHIA, PA. have inspected the equipment described in this Data Report on _____, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12/26 1979

D. Daulton Commissioner NB 7525 PA 2159
(Inspector) (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

91-0138
 INSURANCE POLICY
 PAGE 56 OF 99

91-0138 4.57

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Page 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 149A - RHR System - Pool Spray, Pumps, and Auxiliary System
5. (a) Applicable Construction See Page 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) LEAKOFF PLUG	ANCHOR DARLING	N/A	N/A	HV 151F006D	1975	REPLACED	NO
2) LEAKOFF PLUG	CAPITOL	HT# 084K	N/A	HV 151F006D	1994	REPLACEMENT	NO
3) LEAKOFF PLUG	ANCHOR DARLING	N/A	N/A	HV 151F004A	1976	REPLACED	NO
4) LEAKOFF PLUG	BONNEY FORGE	HT# 2177-1	N/A	HV 151F004A	1991	REPLACEMENT	NO

7. Description of Work See Page 5
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 5
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks

MANUFACTURE'S DATA REPORTS 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.
repair or replacement

Type Code Symbol Stamp _____ N/A

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

Signed [Signature] Date July 20, 19 95
Owner for Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/17/94 to 4/16/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
Two North Ninth St., Allentown, PA 18101
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603
Address
 See Page 3 For Work Documents
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101
Address
 Authorization N/A
 Expiration Date N/A
4. Identification of System 149A - RHR System - Pool Spray, Pumps, and Auxiliary System
5. (a) Applicable Construction See Page 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) LEAKOFF PLUG	ANCHOR DARLING	N/A	N/A	HV 151F004C	1976	REPLACED	NO
6) LEAKOFF PLUG	CAPITOL	HT# 084K	N/A	HV 151F004C	1994	REPLACEMENT	NO
7) DISC	YARWAY	N/A	N/A	1-51-815	1976	REPLACED	NO
8) DISC	YARWAY	FROM S/N A8499	N/A	1-51-815	1979	REPLACEMENT	NO
9) DISC	ANDERSON GREENWOOD	N/A	N/A	151F046D	1976	REPLACED	NO
10) DISC	ANCHOR DARLING	S/N U3755	N/A	151F046D	1988	REPLACEMENT	YES
11) LEAKOFF PLUG	ANCHOR DARLING/ COLONIAL	N/A	N/A	E5854-26-3	1975 /1989	REPLACED	NO
12) LEAKOFF PLUG	BONNEY FORGE	HT# 2177-1	N/A	E5854-26-3	1991	REPLACEMENT	NO





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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/06/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 4 of 5

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

See Page 3 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 149A - RHR System - Pool Spray, Pumps, and Auxiliary System

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,5	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA
2, 4, 6	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA
7	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA
8	ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA
9,10	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA
11	ASME SEC III; CLASS 2; 1986 EDITION; 1988 ADDENDA
12	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/06/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 5 of 5

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

See Page 3 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 149A - RHR System - Pool Spray, Pumps, and Auxiliary System

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 6	REPLACE LEAKOFF PLUGS
7,8	REPLACE DISK DUE TO LEAKING PAST SEAT
9,10	REPLACED CHECK VALVE DISC
11,12	VALVE HAD STUFFING BOX PLUG LEAK, PLUG WAS REPLACED
Item (s)	Description of Tests
1 THRU 8, 11, 12	NON VT-2 PER FROM 480
9,10	VT-2 PER FORM 480

- 1. Manufactured by YARWAY CORPORATION, BLUE BLDG. PA. 19422 Order No. 83704
- 2. Manufactured for BECHTEL POWER CORPORATION Order No. 0848
- 3. Owner MISSISSIPPI POWER AND LIGHT COMPANY
- 4. Location of Plant PORT GIBSON, MISSISSIPPI
- 5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 10"
SERIAL NUMBER(S) A8494 THRU A8513
(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-04 Prepared by YARWAY CORPORATION

(b) National Board No. ---

6. Design Conditions --- psi --- °F or Pressure Class 1500 psi
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1
 Edition 1974, Addenda Date WINTER 1974, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	C8	AMS 5385	NOVA/HORNET CORP.	DISC
(b) Forgings	Y8	SA105	CAPE ANN TOOL CO.	BODY
	1683	SA182 Gr. F6.8	CYCLOPS CORP.	BACKSEAT GUN

(1) For manually operated valves only.

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

3/75 This form (DS-2017) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

9 1 1 2 8 6

10 0 1 6 5

(c) Section	None	Excelsior Code	ASME Code	Remarks

(d) Other Tests	None	Excelsior Code	ASME Code	Remarks

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS W. HABERMAS (1) Prof. Eng. Sect. MISS. Reg. No. 6054
 Stress analysis report certified by HAROLD I. GREGG (1) Prof. Eng. Sect. PA. Reg. No. 90582
 (1) Signature not required. List name only.

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

Date 8/2/79 1979 Signed YARMAY CORPORATION by H. A. VOELGER
(Manufacturer)
 Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO. OF PHILADELPHIA, PA. have inspected the equipment described in this Data Report on 8/2 1979, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 8/2 1979

Edward Scott Hard Commissions N 86344
(Inspector) (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

No.	
RECD.	
PAGE	

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
(Name and address of NPT Certificate Holder)
- (b) Manufactured for Pennsylvania Power & Light Co., 2 N. 9th St., Allentown, PA 18101
(Name and address of NPT Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part S/N U3755 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. D8111 Drawing Prepared by Anchor/Darling Valve Company
- (b) Description of Part Inspected Disc, Heat No. T7421 SA216-WCB
- (c) Applicable ASME Code: Section III, Edition 1971, Addenda date Wnt '72, Code No. N/A Class 2
3. Remarks: 4"-300#-Swing Check
(Brief description of service for which component was designed)
A/DV S.O. P-C965-4

Note: No Disc Hydro Performed

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
 (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 1/19 19 88 Signed Anchor/Darling Valve Co. By R L Stannert
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/89 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at _____

Stress analysis report on file at _____

Design specifications certified by _____ Prof. Eng. State _____ Reg. No. _____

Stress analysis report certified by _____ Prof. Eng. State _____ Reg. No. _____

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 10-12-87 thru 1-19-88 19 88 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date 1-19 19 88

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

No. 88-0496
 RECORD PACKAGE
 PAGE 4 OF 24

* 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is provided in item 2 - Remarks.

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 7/6/95

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:

ITEMS 1 & 2 WA# U40099 522# 95-149-001
ITEMS 3 & 4 WA# U40100 522# 95-149-002
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 149A - RHR System Pool Spray, Pumps, and Auxiliary

5. (a) Applicable Construction N/A 19 Edition Commercial Construction

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) COOLING COILS	GENERAL ELECTRIC	N/A	N/A	1P202D	1990	REPLACED	NO
2) COOLING COILS	GENERAL ELECTRIC	N94G620-04	N/A	1P202D	1995	REPLACEMENT	NO
3) COOLING COILS	GENERAL ELECTRIC	N/A	N/A	1P202A	1990	REPLACED	NO
4) COOLING COILS	GENERAL ELECTRIC	N94G620-06	N/A	1P202A	1995	REPLACEMENT	NO

7. Description of Work Replace RHR Motor Cooler with similar stainless steel model

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2 PER SE-054-301 ON COOLER
Other Pressure psi Test Temp. °F THREADED CONNECTIONS

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/9/95 to 7/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 7866 PAWE 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20, 19 95

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

1. Owner Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Date 07/06/95

Sheet 1 of 5

2. Plant Susquehanna Steam Electric Station
Name
PO Box 467, Berwick, PA 18603
Address

Unit 1:

See Page 3 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 149B - RHR System - Steam Condensing Mode

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) RHR HEAT EXCHANGER	MLW INDUSTRIES	10638-Q	121	1E205A	1976	REPAIRED	NO
2) STEM/DISC ASSY	YARWAY	6349	N/A	151F124B	1976	REPLACED	NO
3). STEM/DISC ASSY	YARWAY	90-1-2C1-B10	N/A	151F124B	1991	REPLACEMENT	YES
4) BACKSEAT BUSHING	YARWAY	6349	N/A	151F124B	1976	REPLACED	NO
5) BACKSEAT BUSHING	YARWAY	5293-B25	N/A	151F124B	1991	REPLACEMENT	YES

7. Description of Work See Page 5

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 5
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/10/95 to 3/7/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA WC 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/06/95
 Sheet 3 of 5

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:
 See Page 3 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None
 Authorization N/A
 Expiration Date N/A

4. Identification of System 149B - RHR System - Steam Condensing Mode

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1	P25056	C93-149-062
2,3,4,5	S34144	C93-149-106
6,7	S43125	C94-149-152

Item (s)	Applicable Construction Code
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Date <u> 07/06/95 </u> Sheet <u> 4 </u> of <u> 5 </u>
2. Plant <u> Susquehanna Steam Electric Station </u> <small style="margin-left: 100px;">Name</small> <u> PO Box 467, Berwick, PA 18603 </u> <small style="margin-left: 100px;">Address</small>	Unit <u> 1: </u> See Page 3 For Work Documents <small style="margin-left: 100px;">Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol <u> None </u> Authorization <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> 149B - RHR System - Steam Condensing Mode </u>	
5. (a) Applicable Construction <u> See Page 4 </u> 19 <u> </u> Edition, <u> </u> Addenda, <u> </u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u> '89 No Add. </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

1 2,4 3,5 6 7	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA ASME SEC III; CLASS 2; 1971 EDITION; WINTER '972 ADDENDA CODE CASES 1516-1 AND 1534 ASME SEC III; CLASS 1; 1986 EDITION, NO ADDENDA
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**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI**

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name See Page 3 For Work Documents
PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.
Address
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 149B - RHR System - Steam Condensing Mode
5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Description of Work
1	PLUG TUBES BY INSTALLING Cu/Ni PLUGS
2,3,4,5	DUE TO LEAKAGE-STEM, DISC AND BACKSEAT BUSHING WERE REPLACED
6,7	SPEC M1474 REQUIRES REPLACEMENT OF UNDOCUMENTED LEAKOFF PLUGS
Item (s)	Description of Tests
1	NONE
2,3,4,5,6,7	NON VT-2 PER FORM 480

C93-149-106

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

Register 20043

Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-81 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2

Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III. The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

10/25 19 91 Signed Yarway Corporation
(NPT Certificate Holder)

F. W. Peszka
F. W. Peszka

Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by <u>John R. Schmiedel</u>	Prof. Eng. State <u>Penna.</u>	Reg. No. <u>19370E</u>
and <u>Richard O. Schlueter</u>	Prof. Eng. State <u>Penna.</u>	Reg. No. <u>26382E</u>
and <u>Sidney Arthur Copland</u>	Prof. Eng. State <u>Penna.</u>	Reg. No. <u>19877E</u>
Stress analysis report certified by <u>George J. Loos</u>	Prof. Eng. State <u>N.J.</u>	Reg. No. <u>23225</u>

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA*

have inspected the part of a pressure vessel described in this Partial Data Report on 10/28 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

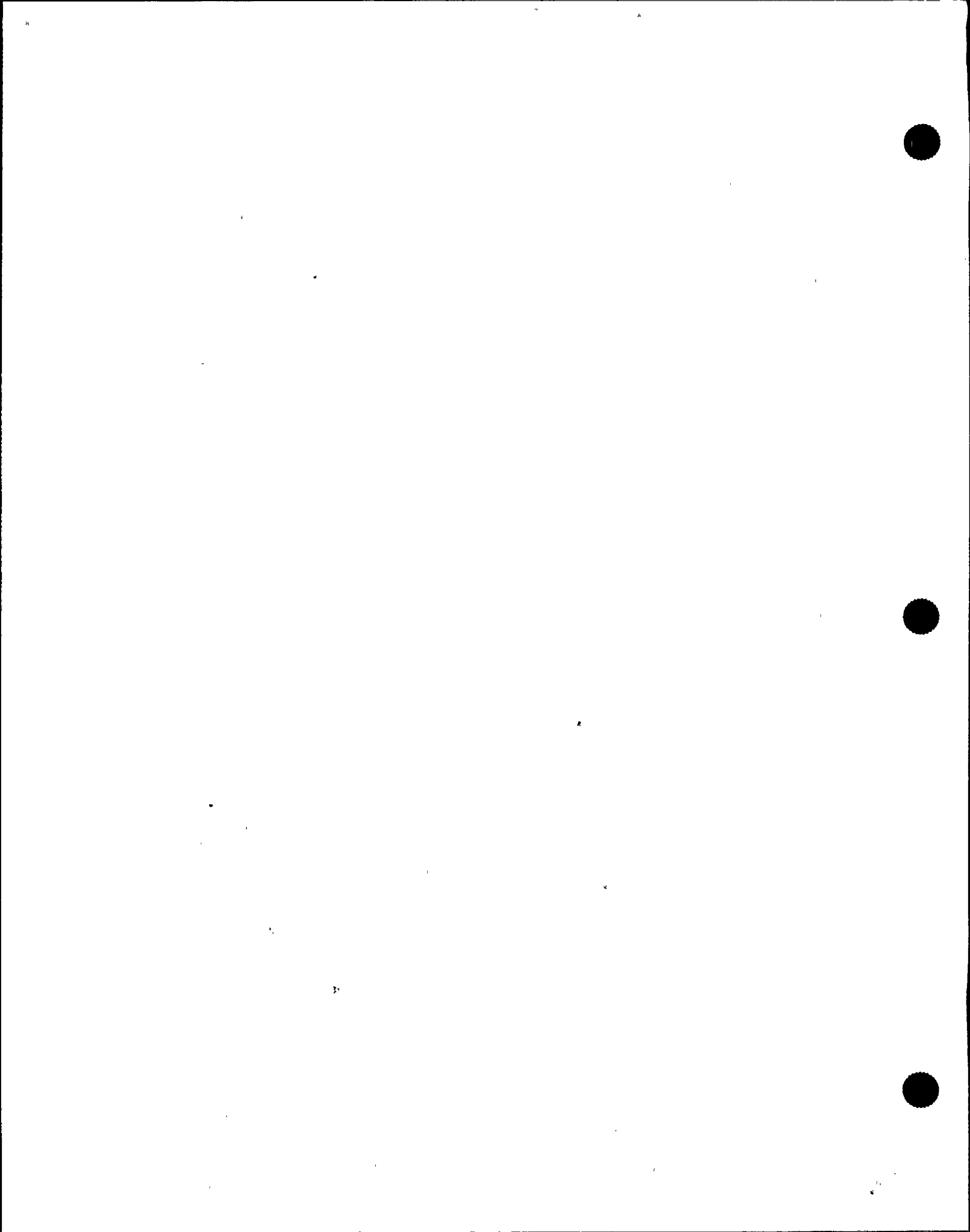
*Factory Mutual System

10/28 19 91

M. S. Hewitt
Inspector's Signature

Commissions PA 2056 NIS 813
National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3. "Remarks".
ASME-345 E. 47th St., New York, N.Y. 10017



Register 15601

(a) Manufactured by Yarway Corporation, Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Penna. Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of 90-1-2C1-B1 thru B10 Nat'l Bd. No. 045111

(a) Constructed According to Drawing No. 966118-02 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Stem Assembly, 1" - 5500 - Qty. 10

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date 474, Case No. -- Class 1

3. Remarks: Renewal parts for nuclear globe valve.
(Brief description of service for which component was designed)
Material: Disc, AMS 5385E; Heat Code: 90-1-2C1

We certify that the statements made in this report are correct and this vessel part or app. in accordance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

10/4 1991 Signed YARWAY CORPORATION By F. W. Peszka
(NPT Certificate Holder) (Signature)

Certificate of Authorization Expires Nov. 14, 1992 Certificate of Authorization No. N-2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Co.

Stress analysis report on file at Not Required

Design specifications certified by <u>John R. Schmiedel</u>	(d) <u>PA</u>	Reg. No. <u>19370E</u>
<u>Richard O. Schlueter</u>	Prof. Eng. State <u>PA</u>	Reg. No. <u>26382E</u>
<u>Sidney Arthur Copland</u>	Prof. Eng. State <u>PA</u>	Reg. No. <u>19877E</u>
Stress analysis report certified by <u>George Loos</u>	Prof. Eng. State <u>NJ</u>	Reg. No. <u>23225E</u>

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described on this Partial Data Report on 10/4/91 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

10/4 1991 *Factory Mutual System

F. W. Peszka Inspector's Signature PA 2515 ANI National Board, State, Province and No.

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in 8 1/2" x 11", (2) information in them is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 2, Remarks.

Items 4-7 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Size to Press. (Conv. or Conc.)

(a) _____
(b) _____

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
(Describe an edge and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure _____ psi at _____ of _____ Drop Weight _____
Charpy Impact _____ ft-lb
at temp. of _____ °F

Items 9 and 10 to be completed for _____ sections.

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches _____ Number _____ Type _____
(S.W. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Size to Press. (Conv. or Conc.)

(a) Top, bottom, ends _____
(b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
(Describe or attach sketch)

14. Design pressure _____ psi at _____ of _____ Drop Weight _____
Charpy Impact _____ ft-lb
at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets, Number _____ Size _____ Location _____

16. Nozzles: Purpose (Inlet, Outlet, Drain) _____ Number _____ Dia. or Size _____ Type _____ Material _____ Thickness _____ Reinforcement _____
Material _____ How Attached _____

17. Inspection Manholes, No. _____ Size _____ Location _____
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/17/95
 Sheet 1 of 4

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:
 See Page 2 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None
 Authorization N/A
 Expiration Date N/A

4. Identification of System 149G - RHR - Shutdown Cooling Mode System

5. (a) Applicable Construction See Page 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) LEAK-OFF PLUG	ANCHOR DARUNG	N/A	N/A	HV151F008	1976	REPLACED	NO
2) LEAK-OFF PLUG	COLONIAL MACHINE CO.	HT# 1G4944	N/A	HV151F008	1989	REPLACEMENT	NO
3) 1" RELIEF VALVE	LONERGAN	S/N 510138-1-15-1	N/A	PSV151F126	1979	REPAIRED	YES

7. Description of Work See Page 4

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 4
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/2/95 to 3/6/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/17/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 3 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

See Page 2 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 149G - RHR - Shutdown Cooling Mode System

5. (a) Applicable Construction See Page 3 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1	ASME SEC. III; 1971 EDITION; WINTER 1972 ADDENDA; CODE CASES 1516-K, 1534, 1535-2, AND 1334-2
2	ASME SEC. III; 1986 EDITION; 1988 ADDENDA
3	ASME SEC III 1974 EDITION; WINTER 1974 ADDENDA; CODE CASE #1555

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/17/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 4 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

PO Box 467, Berwick, PA 18603
Address

See Page 2 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 149G - RHR - Shutdown Cooling Mode System

5. (a) Applicable Construction See Page 3 19 Edition, Addenda, 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

Item (s)	Description of Work
1,2	VALVE FOUND TO BE LEAKING, LEAK-OFF PLUG REPLACED WITH SEAL-WELDED, THREADED PLUG
3	VALVE BASE WAS CUT TO RESTORE PROPER ANGLE FOR LAPPING
Item (s)	Description of Tests
1,2,3	NON VT-2 PER FORM 480

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/06/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 6

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

PO Box 467, Berwick, PA 18603
Address

See Page 4 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 150B - RCIC Turbine and Auxiliary

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) STEM/DISC ASSY	YARWAY	5940	N/A	LSH-149N010-VNT	1976	REPLACED	NO
2) STEM/DISC ASSY	YARWAY	90-1-2L1-A15	N/A	LSH-149N010-VNT	1991	REPLACEMENT	YES
3) BACKSEAT BUSHING	YARWAY	5940	N/A	LSH-149N010-VNT	1976	REPLACED	NO
4) BACKSEAT BUSHING	YARWAY	5293-B4	N/A	LSH-149N010-VNT	1991	REPLACEMENT	YES

7. Description of Work See Page 6

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 6
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/9/95 to 4/16/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Page 4 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 150B - RCIC Turbine and Auxiliary

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) STEM/DISC ASSY	YARWAY	5860	N/A	LSH-149N010-DRN	1976	REPLACED	NO
6) STEM/DISC ASSY	YARWAY	B1765	N/A	LSH-149N010-DRN	1980	REPLACEMENT	NO
7) STEM/DISC ASSY	YARWAY	5958	N/A	LSH-149N010-R2	1976	REPLACED	NO
8) STEM/DISC ASSY	YARWAY	90-1-2L1-A3	N/A	LSH-149N010-R2	1991	REPLACEMENT	YES
9) BACKSEAT BUSHING	YARWAY	5958	N/A	LSH-149N010-R2	1976	REPLACED	NO
10) BACKSEAT BUSHING	YARWAY	5293-B1	N/A	LSH-149N010-R2	1991	REPLACEMENT	YES
11) RUPTURE DISK	BS&B SAFETY SYS	N/A	N/A	PSE-1D001	1984	REPLACED	NO
12) RUPTURE DISK	BS&B SAFETY SYS	HT# 886798	N/A	PSE-1D001	1984	REPLACEMENT	NO
13) RUPTURE DISK	BS&B SAFETY SYS	N/A	N/A	PSE-1D002	1976	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/06/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 3 of 6

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

PO Box 467, Berwick, PA 18603
Address

See Page 4 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 150B - RCIC Turbine and Auxiliary

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
14) RUPTURE DISK	BS&B SAFETY SYS	HT# 886798	N/A	PSE-1D002	1984	REPLACEMENT	NO
15) STEM AND DISC ASSY 1" VALVE	YARWAY	N/A	N/A	LSH146N010-DRN	1991	REPLACED	NO
16) STEM AND DISC ASSY 1" VALVE	YARWAY	90-1-2L1-A17	N/A	LSH146N010-DRN	1991	REPLACEMENT	YES
17) BACKSEAT BUSHING 1" VALVE	YARWAY	N/A	N/A	LSH146N010-DRN	1991	REPLACED	NO
18) BACKSEAT BUSHING 1" VALVE	YARWAY	5293-B13	N/A	LSH146N010-DRN	1991	REPLACEMENT	YES
19) 1" PLUG	MAGNETROL	N/A	N/A	LSH-E51-1N010	1982	REPLACED	NO
20) 1" PLUG	CAPITOL	HT# 655	N/A	LSH-E51-1N010	N/A	REPLACEMENT	NO
21) 1" SCH XXS PIPE	BECHTEL	N/A	N/A	SP-DBB-109-4	1982	REPAIRED	NO
22) SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2009	1982	REPAIRED	NO

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

1. Owner Pennsylvania Power & Light Co.
Name

 Two North Ninth St., Allentown, PA 18101
Address

Date 07/06/95

Sheet 4 of 6

2. Plant Susquehanna Steam Electric Station
Name

 PO Box 467, Berwick, PA 18603
Address

Unit 1:

 See Page 4 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 150B - RCIC Turbine and Auxiliary

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1,2,3,4,	S43192	C94-150-042
5,6	S43552	C94-150-165
7,8,9,10	S43148	C94-150-043
11 THRU 14	P43900	94-150-001
15 THRU 18	S43843	94-150-002
19,20,21	S53475	95-150-001

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Page 4 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 150B - RCIC Turbine and Auxiliary

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,3,5,7,9,15,16,17,18	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA
2,4,6,8,10	ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA
11 THRU 14	ASME SEC III; CLASS 2; 1971 EDITION; SUMMER 1973 ADDENDA
21,22	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 07/06/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 6 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Page 4 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 150B - RCIC Turbine and Auxiliary

5. (a) Applicable Construction See Page 5 19 Edition, Addenda, 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

Item (s)	Description of Work
1,2,5,6,7,8	REPLACE STEM/DISC ASSY OF LISTED VALVES
3,4,9,10	REPLACE BACKSEAT BUSHINGS OF LISTED VALVES
11 THRU 14	REPLACE RCIC RUPTURE DISKS DURING REGULAR PM
15 THRU 16	VALVE PACKING LEAK, REPLACEMENT OF STEM & DISC ASSY AND BACKSEAT BUSHING NECESSARY.
19 THRU 22	PIPING AND HANGER HAD TO BE REMOVED TO ALLOW FOR LSH-E51-1N010 (NON CODE) REPLACEMENT. PIPING AND HANGER WERE LATER REINSTALLED.
Item (s)	Description of Tests
1 THRU 10, 15 THRU 18	NON VT-2 PER FORM 480
11 THRU 14	VT-2 PER SE-150-301
19,20,21	NON VT-2 PER FORM 480
22	NONE



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

As Required by the Provisions of the ASME Code Rules

C 94-150-165

P. O. # 48023

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA, 19422 Order No. 41211
(Name & Address of Manufacturer)

2. Manufactured for BECHTEL POWER CORPORATION Order No. 9645-M-251.0
(Name and Address)

3. Owner MISSISSIPPI POWER AND LIGHT COMPANY

4. Location of Plant PORT GIBSON, MISSISSIPPI

5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 1" -

SERIAL NUMBER(S) B1763 THRU B1767 -

(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-04 Prepared by YARWAY CORPORATION

(b) National Board No. _____

6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (1)

7. The material, design, construction, and workmanship complies with ASME Code Section III Class 1

Edition 1974, Addenda Date WINTER 1974, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	<u>C8 -</u>	<u>AMS 5385</u>	<u>NOVA/HONMET CORPORATION</u>	<u>DISC</u>
	<u>C10 -</u>	<u>AMS 5385</u>	<u>NOVA/HONMET CORPORATION</u>	<u>DISC</u>
(b) Forgings	<u>B5 -</u>	<u>SA105</u>	<u>CAPE ANN TOOL COMPANY</u>	<u>BODY</u>
	<u>5830 -</u>	<u>SA182 Gr. F6a</u>	<u>AL TECH STEEL CORPORATION</u>	<u>BACKSEAT BUSHING</u>

NO. 915078
 RECORD PACKAGE
 PAGE 2 OF 2

(1) For manually operated valves only.

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

FORM NPV-1 (back)

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	NONE			
(d) Other Parts	NONE			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS K. HABERMAS (1) Prof. Eng. State MISS Reg. No. 6064
 Stress analysis report certified by HAROLD I. GREGG (1) Prof. Eng. State PA Reg. No. 9053E
 (1) Signature not required. List name only.

We certify that the statements in this report are correct.

Date 8/25 19 80 Signed YARWAY CORPORATION By W. A. VOLGER
(Manufacturer)
 Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO. OF PHILADELPHIA, PA * have inspected the equipment described in this Data Report on 3-25 19 80, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 3-25 19 80

RA Edl (Inspector) Commission No. 6807 PA 2110 + Ohio
(National Board, State, Province and No.)

PART OF THE FACTORY MUTUAL SYSTEM

No. 91-0785
 RECORD PACKAGE
 PAGE 24 OF 29

(94-152-048)
(94-150-042)
(94-150-043)

As required by the Provision of the ASME Code Rules, Section III, Div. 1, Part UG-110, the Certificate Holder shall file in the ASME Code Register, 15599

(a) Manufactured by Yarway Corporation, Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Penna. Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of NPT Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 90-1-2L1-A1 thru A24 Nat'l Bd. No. 045111

(a) Constructed According to Drawing No. 966118-02 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Stem Assembly, 1" - 5500 - Qty. 24

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. -- Class 1

3. Remarks: Renewal parts for nuclear globe valve.
(Brief description of service for which component was designed)

Material: Disc, AMS 53C; Heat Code: 90-1-2L1

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 12/23 1991 Signed YARWAY CORPORATION By F. W. Peszka
(NPT Certificate Holder) F. W. Peszka

Certificate of Authorization Expires Nov. 14, 1992 Certificate of Authorization No. N-2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at	<u>Pennsylvania Power & Light Co.</u>		
Stress analysis report on file at	<u>Not Required</u>		
Design specifications certified by	<u>John R. Schmiedel</u>	PA	19370E
	<u>Richard O. Schlueter</u>	PA	26382E
	<u>Sidney Arthur Copland</u>	PA	19877E
Stress analysis report certified by	<u>George Loos</u>	NJ	23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on 12/23 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12/23 1991 *Factory Mutual System
S. W. Bastis Inspector's Signature Commissions PA 2313 (ANI)
National Board, State, Province, and Territory

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 1-3 on the Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

RECORD PACKAGE
PAGE 25 OF 41

Items 4-8 incl. to be completed for single wall vessels; jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
 (Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Conv. or Conc.)
(a)								
(b)								

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
 (Describe as ogee and weld, bar, etc. If barg give dimensions, if bolted, describe or sketch)

8. Design pressure² _____ psi at _____ °F
 Drop Weight _____
 Charpy Impact _____ ft-lb
 at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
 (Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage _____ Number _____ Type _____
 (Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
 (Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Conv. or Conc.)
(a) Top, bottom, ends								
(b) Channel								

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
 (Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F
 Drop Weight _____
 Charpy Impact _____ ft-lb
 at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____
 Openings: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
 (Yes or No) (Number) (Number) (Describe) (Where & How)

¹ If Postweld Heat-Treated.
² List other internal or external pressure with coincident temperature when applicable.

As required by the Provision of the ASME Code Rules, Section III, Div. I

C94-152-048
C94-152-043
C94-150-042

Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422

(Name and address of NPT Certificate Holder)

Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603

(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-B1 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve

(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2

Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/25 19 91 Signed Yarway Corporation
(NPT Certificate Holder)

By F. W. Peszka
F. W. Peszka

Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by	<u>John R. Schmiedel</u>	Prof. Eng. State	<u>Penna.</u>	Reg. No.	<u>19370E</u>
	<u>Richard O. Schlueter</u>		<u>Penna.</u>	Reg. No.	<u>26382E</u>
	<u>and Sidney Arthur Copland</u>		<u>Penna.</u>	Reg. No.	<u>19877E</u>
Stress analysis report certified by	<u>George J. Loos</u>	Prof. Eng. State	<u>N.J.</u>	Reg. No.	<u>23225</u>

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA*

have inspected the part of a pressure vessel described in this Partial Data Report on 10/28 19 91, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual System

Date 10/28 19 91

M. S. Skewett
Inspector's Signature

Commissions PA 2056 NISRIJ
National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

(a) Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-B1 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2

Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
 (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/25 19 91 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder)

Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by John R. Schmiedel Penna. Reg. No. 19370E
Richard O. Schlueter Prof. Eng. State Penna. Reg. No. 26382E
 and Sidney Arthur Copland Penna. Reg. No. 19877E

Stress analysis report certified by George J. Loos Prof. Eng. State N.J. Reg. No. 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this

Partial Data Report on 10/28 19 91, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual System

Date 10/28 19 91

M. Schmitt Inspector's Signature Commissions PA 2056 NIS 813 National Board, State, Province 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 on this Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3, "Remarks".



SAFETY SYSTEMS

Oct. 30, 1984

CUSTOMER: PENNSYLVANIA POWER & LIGHT

SUBJECT: Your Purchase Order Number: 4-32842-1
 BS&B S.O. Number: 84090018
 BS&B Lot Number: 84090018-1

CERTIFICATE OF CONFORMANCE
 ASME SECTION III
RUPTURE DISK

We certify that the material covered by this report has been manufactured, inspected, and tested in accordance with the ASME Section III Nuclear Code and that test results and mill test reports are on file subject to examination. The applicable ASME Section III paragraphs are as follows: NC-2000, NC-7830, and NC-7920 with 1971 Edition, 1973 Summer Addenda, Class 2.

STAMP DISK TAB: 10896

ATTACHMENTS: BURST TEST CERTIFICATE (NR-1 FORM)
 MILL TEST REPORT (HT #886798) - DISK
 MILL TEST REPORT (HT #877488) - VACUUM SUPPORT
 MATERIAL VERIFICATION (MIDSTATES PO #91745 BI:B1634)

DISK DATE OF MANUFACTURE - OCTOBER 10, 1984

IF STORED IN A DRY, PROTECTED, NON-CORROSIVE ENVIRONMENT, AND IF STORED IN THE ORIGINAL UNOPENED PACKAGING, THESE RUPTURE DISKS AND VACUUM SUPPORTS HAVE AN INDEFINITE SHELF LIFE.

BS&B SAFETY SYSTEMS, INC.

Jay B. Vance
 Quality Control Manager

No. 84-2447
 RECORD PACKAGE
 PAGE 3 OF 4



SAFETY SYSTEMS

CUSTOMER: Pennsylvania Power & Light

P.O. #: 4-32842-1

FORM NR-1
DATA REPORT OF RUPTURE DISKS
As Required by the Provisions of the
ASME Code Rules, Section III, Div. 1

1. Manufactured by: BS&B Safety Systems, Inc.,
Tulsa, Oklahoma
(Name and address of Manufacturer)

IDENTIFICATION OF RUPTURE DISK

- 2. Type of Style: BV Lot No.: 84090018-1
- 3. Disk Dimensional Characteristics:
Size: 8" Capacity 102485 SCFM Air
- 4. Material Specification: ASTM A167 316 SST
- 5. Drawing No.: N/A
- 6. Burst Pressure: 156.5 PSIG Max. 141.6 PSIG Min.
- 7. Coincident Disk Temperature: 370 Deg F
- 8. Element used in test: Air
- 9. Cyclic Test Results: N/A
(if required)

CERTIFICATION

10. Place of Test: Tulsa, Oklahoma Date of Test: 10/30/84

WE CERTIFY THE ABOVE DATA TO BE CORRECT AND THAT THESE DISKS
HAVE BEEN MANUFACTURED AND TESTED TO THE REQUIREMENTS OF THE
ASME CODE.

DATE: 10/30/84 ISSUED BY: BS&B Safety Systems, Inc.

APPROVED BY: Jay B. Vance, Quality Control Manager
Jay B. Vance

No. of Pieces Shipped: 20

Actual Burst Test Results: 185 PSIG @ 72 Deg F
148, 150 PSIG @ 370 Deg F

No. 84-2447
RECORD PACKAGE
PAGE 9 OF 14



FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCE

As required by the Provision of the ASME Code Rules, Section III, Div. 1

Register 15601

Shop Order 83889

- 1. (a) Manufactured by Yarway Corporation, Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)
- (b) Manufactured for Penna. Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)
- 2. Identification-Certificate Holder's Serial No. of Part 90-1-2C1-B1 thru B10 Nat'l Bd. No. ---
045111
- (a) Constructed According to Drawing No. 966118-02 Drawing Prepared by Yarway Corporation
- (b) Description of Part Inspected Stem Assembly, 1" - 5500 - Qty. 10
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. -- Class 1
- 3. Remarks: Renewal parts for nuclear globe valve.
(Brief description of service for which component was designed)
Material: Disc, AMS 5385E; Heat Code: 90-1-2C1

We certify that the statements made in this report are correct and this vessel part or app. nance as defined in the Code conforms to the rules of construction of the ASME Code Section III. (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/4 1991 Signed YARWAY CORPORATION By F. W. Peszka
(NPT Certificate Holder) F. W. Peszka

Certificate of Authorization Expires Nov. 14, 1992 Certificate of Authorization No. N-2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Co.

Stress analysis report on file at Not Required

Design specifications certified by John R. Schmiedel PA 19370E
Richard O. Schlueter Prof. Eng. State PA Reg. No. 26382E
Sidney Arthur Copland PA 19877E

Stress analysis report certified by George Loos Prof. Eng. State NJ Reg. No. 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this

Partial Data Report on 10/4 1991 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date 10/4 1991

*Factory Mutual System

F. W. Peszka Commissions PA 2315 ANI
Inspector's Signature National Board, State, Province 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 Item 1, Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 2, "Remarks".

THIS SIDE NOT APPLICABLE

Items 4-8 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____
 (Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Conv. or Conc.)
(a)								
(b)								

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
 (Describe as ogee and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure² _____ psi at _____ °F Drop Weight _____
 Charpy Impact _____ ft-lb
 at temp. of _____ °F

Items 9 and 10 to be completed for _____ sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
 (Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
 (Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____
 (Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Conv. or Conc.)
(a) Top, bottom, ends								
(b) Channel								

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
 (Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F Drop Weight _____
 Charpy Impact _____ ft-lb
 at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____
 Openings: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
 (Yes or No) (Number) (Number) (Describe) (Where & How)

¹ If Flare Weld Rest Treatment

² List other internal or external pressure with coincident temperature when applicable.

As required by the Provision of the ASME Code Rules, Section III, Div. I

Register 20043

Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-B1 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2

Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
 (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/25 19 91 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder)

Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by <u>John R. Schmiedel</u>	Prof. Eng. State	<u>Penna.</u>	Reg. No. <u>19370E</u>
<u>Richard O. Schlueter</u>	Prof. Eng. State	<u>Penna.</u>	Reg. No. <u>26382E</u>
and <u>Sidney Arthur Copland</u>	..	<u>Penna.</u>	Reg. No. <u>19877E</u>
Stress analysis report certified by <u>George J. Loos</u>	Prof. Eng. State	<u>N.J.</u>	Reg. No. <u>23225</u>

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors' and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this

Partial Data Report on 10/28 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual System

Date 10/28 19 91

M. S. Hewitt Inspector's Signature Commissions PA 2056 NISBIS
National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3, "Remarks".

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

1. Owner Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Date 07/06/95
Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name
PO Box 467, Berwick, PA 18603
Address

Unit 1:
WA# S53140 522# 95-151-001
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None
Authorization N/A
Expiration Date N/A

4. Identification of System 151A - Core Spray (Valve- Class 2, Replacements- Class 1)

5. (a) Applicable Construction ASME SEC III 19 74 Edition, WINTER 1974 Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) STEM & DISC ASSY	YARWAY	N/A	N/A	152015	1976	REPLACED	NO
2) STEM & DISC ASSY	YARWAY	FROM 3475	N/A	152015	1976	REPLACEMENT	NO
3) BACKSEAT BUSHING	YARWAY	N/A	N/A	152015	1976	REPLACED	NO
4) BACKSEAT BUSHING	YARWAY	5293-B20	N/A	152015	1991	REPLACEMENT	YES

7. Description of Work Vent Valve leaking during SE-152-400 Backseat Bushing and Stem & Disc replaced

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NON VT-2 PER FORM 480
Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/7/95 to 3/27/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7866 PAWC 24619 AN11
Inspector's Signature FACTORY MUTUAL ENG. ASSOC.
National Board, State, Province, and Endorsements

Date July 20 19 95

FORM NPV MANUFACTURERS DATA REPORT FOR NUCLEAR PUMPS OR VALVES

PO 75221

16

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Yarway Corporation, Blue Bell, PA Order No. 40751
(Name & Address of Manufacturer)

2. Manufactured for Bechtel Power Corporation Order No. 9645-M-251.0
(Name and Address)

3. Owner Mississippi Power and Light Company

4. Location of Plant Port Gibson, Mississippi

5. Pump or Valve Identification Nuclear Service Valves - Serial Numbers
3461 Thru. 3485 Inclusive
(Brief description of service for which equipment was designed)

D. Saubey 11/22/78

(a) Drawing No. 103271-04 Prepared by Yarway Corporation

(b) National Board No. None

6. Design Conditions 2350 (Pressure) psi 700 (Temperature) °F or Pressure Class 1500 PSI (1)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

Edition 1974, Addenda Date Winter 1974, Case No. None

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	A5	AMS 5382	Hova/Hornet	Disc
(b) Forgings	NI	SA 105	Cape Ann Tool Co	Body
	YW 684	SA 193 B7	Republic Steel	Backseat Bushing

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) the data on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the bottom of the last sheet.

No. 91-0135
 RECORD PACKAGE
 PAGE 19 OF 27

**S/N 3461 thru 3475 inclusive

FORM NPV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting None			
(d) Other Parts None			

2. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Power Corporation, Gaithersburg, Maryland
 Stress analysis report on file at Bechtel Power Corp., Gaithersburg, Maryland
 Design specifications certified by Thomas W. Habermas (1) Prof. Eng. State MISS Reg. No. 6064
 Stress analysis report certified by Harold I. Gregg (1) Prof. Eng. State Pa. Reg. No. 0053E
 (1) Signature not required. List name only.

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

Date August 23, 1976 Signed Yarway Corporation By W. A. Volgor
(Manufacturer)

Certificate of Authorization No. N-899 expires October 28, 1977 W. A. Volgor

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Pennsylvania and employed by Phila. Manufacturers Mutual Insurance Co. Phila. PA have inspected the equipment described in this Data Report on August 23, 1976 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date August 23, 1976

D. Daullary
David L. Daullary (Inspector)

Commissions

No. 91-0135
 RECORD PACKAGE
 PAGE 26 OF 47
 NB 7525 PA 2159 C.A.H.
 (National Board, State, Province and No.)
 9-29-76

*Part of the Factory Mutual System

**Corrected copy - Mfg. Rep W. A. Volgor 11/1/78 ANI. W. A. Volgor 11/3/78
NB 5344

00153 1 74



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

Register 20043

1. (a) Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-B1 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2

Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
 (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/25 19 91 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder)

Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by <u>John R. Schmiedel</u>	Prof. Eng. State <u>Penna.</u>	Reg. No. <u>19370E</u>
<u>Richard O. Schlueter</u>	<u>Penna.</u>	<u>26382E</u>
and <u>Sidney Arthur Copland</u>	<u>Penna.</u>	<u>19877E</u>
Stress analysis report certified by <u>George J. Loos</u>	Prof. Eng. State <u>N.J.</u>	Reg. No. <u>23225</u>

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on 10/28 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual System

Date 10/28 19 91

M. S. Hewitt Inspector's Signature Commissions PA 2056 NIS 813
National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3, "Remarks".

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

1. Owner Pennsylvania Power & Light Co. Date 7/6/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 WA# H40126 522# 95-152-001
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 152B - HPCI Turbine and Auxiliary

5. (a) Applicable Construction See Page 2 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) BONNET	ANCHOR DARLING	N/A	N/A	HV155F003	1975	REPLACED	NO
2) BONNET	ANCHOR DARLING	S/N 1	N/A	HV155F003	1988	REPLACEMENT	YES
3) LEAKOFF PLUG	ANCHOR DARLING	N/A	N/A	HV155F003	1975	REPLACED	NO
4) LEAKOFF PLUG	CAMCO	HT# 084K	N/A	HV155F003	1994	REPLACEMENT	NO

7. Description of Work During rework of valve, it was discovered that the bonnet and the leakoff plug needed replacement.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2 during SE-100-002
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks

MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/10/95 to 4/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 7866 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 7/6/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 2
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 WA# H40126 522# 95-152-001
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 152B - HPCI Turbine and Auxiliary
5. (a) Applicable Construction See Page 2 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 3	ASME SEC III; CLASS 1; 1971 EDITION; WINTER 1972 ADDENDA; CODE CASES 1516-1, 1534, 1535-2 AND 1334-2 (ORIGINAL VALVE)
2	ASME SEC III; CLASS 1; 1971 EDITION; WINTER 1972 ADDENDA
4	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA

95-152-001

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., 2 N. 9th St., Allentown, PA 18101
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part S/N -1 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. D7808 Drawing Prepared by Anchor/Darling Valve Company

(b) Description of Part Inspected Bonnet; Heat No. AN12 SA105

(c) Applicable ASME Code Section III, Edition 1971, Addenda date Wnt '72, Case No. N/A Class 1

3. Remarks: 10"-600#-Gate
(Brief description of service for which component was designed)
A/DV Shop Order PD891-1

Note: No Bonnet Hydro Performed

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 8/30 1988 Signed Anchor/Darling Valve Co. By R L Stannett
(NPT Certificate Holder)
Certificate of Authorization Expires 4/15/89 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file as _____
Stress analysis report on file as _____
Design specifications certified by _____ Prof. Eng. State _____ Reg. No. _____
Stress analysis report certified by _____ Prof. Eng. State _____ Reg. No. _____

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of ~~MASSACHUSETTS~~ Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report of B-1-88 thru B-30-88 1988, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 8-30 1988
Charles Young Commission Pennsylvania 2392
National Board, State, Province 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(a) on this form is based on the data shown, (3) the date of inspection and number of sheets is recorded in item 3. (Continued)



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

1. Owner Pennsylvania Power & Light Co. Date 7/17/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 7
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See sheet 5 for work documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None.
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 152B - HPCI Turbine and Auxiliary

5. (a) Applicable Construction See Page 6 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 1" VALVE	YARWAY	5354	N/A	LSH155N014-R1	1976	REPLACED	YES
2) 1" VALVE	YARWAY	3473	N/A	LSH155N014-R1	1976	REPLACEMENT	YES
3) 1" VALVE	YARWAY	5359	N/A	LSH155N014-R2	1976	REPLACED	YES
4) 1" VALVE	YARWAY	A7538	N/A	LSH155N014-R2	1979	REPLACEMENT	YES

7. Description of Work See Page 7

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 7
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner of Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/20/95 to 4/10/95, 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. FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 7/17/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See sheet 5 for work documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 152B - HPCI Turbine and Auxiliary
5. (a) Applicable Construction See Page 6 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) 1" PIPE	BECHTEL	N/A	N/A	SP-DBB-114	1982	REPLACED	NO
6) 1" PIPE	QUANEX	HT# 1M6673	N/A	SP-DBB-114	1986	REPLACEMENT	NO
7) 16" RUPTURE DISK	BS&B SAFETY SYSTEMS	HT# 886798	N/A	PSE1D003	1984	REPLACED	NO
8) 16" RUPTURE DISK	BS&B SAFETY SYSTEMS	HT# 886798	N/A	PSE1D003	1976	REPLACEMENT	NO
9) 16" RUPTURE DISK	BS&B SAFETY SYSTEMS	S/N 401445-4	N/A	PSE1D004	1984	REPLACED	NO
10) 16" RUPTURE DISKS	BS&B SAFETY SYSTEMS	HT# 886798	N/A	PSE1D004	1984	REPLACEMENT	NO
11) SMALL PIPE ASSY	BECHTEL	N/A	N/A	SP-HBB-109	1982	REPAIRED	NO
12) 1" STEM & DISC ASSY	YARWAY	N/A	N/A	155F044	1976	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 7/17/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 3 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
- PO Box 467, Berwick, PA 18603 See sheet 5 for work documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
- Expiration Date N/A
4. Identification of System 152B - HPCI Turbine and Auxiliary
5. (a) Applicable Construction See Page 6 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
13) 1" STEM & DISC ASSY	YARWAY	FROM B05933	N/A	155F044	1979	REPLACEMENT	NO
14) BACKSEAT BUSHING	YARWAY	N/A	N/A	155F044	1976	REPLACED	NO
15) BACKSEAT BUSHING	YARWAY	HT CODE 5293 C	N/A	155F044	1992	REPLACEMENT	YES
16) PRESSURE SEAL GATE VALVE	ANCHOR DARLING	E5853-11-1	N/A	HV152F001	1975	REPAIRED	YES
17) STEM & DISC ASSY	YARWAY	N/A	N/A	LSH-155N014-R5	1977	REPLACED	NO
18) STEM & DISC ASSY	YARWAY	FROM B0694	N/A	LSH-155N014-R5	1979	REPLACEMENT	NO
19) STEM & DISC ASSY	YARWAY	N/A	N/A	LSH-155N014-R2	1976	REPLACED	NO
20) STEM & DISC ASSY	YARWAY	90-1-2LI-A20	N/A	LSH-155N014-R2	1991	REPLACEMENT	YES

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 7/17/95
 Sheet 4 of 7

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:
 See sheet 5 for work documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None
 Authorization N/A
 Expiration Date N/A

4. Identification of System 152B - HPCI Turbine and Auxiliary

5. (a) Applicable Construction See Page 6 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
21) BACKSEAT BUSHING	YARWAY	N/A	N/A	LSH-155N014-R2	1976	REPLACED	NO
22) BACKSEAT BUSHING	YARWAY	5293-B18	N/A	LSH-155N014-R2	1991	REPLACEMENT	YES



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

1. Owner Pennsylvania Power & Light Co.
Name

Date 7/17/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 5 of 7

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

PO Box 467, Berwick, PA 18603
Address

See sheet 5 for work documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 152B - HPCI Turbine and Auxiliary

5. (a) Applicable Construction See Page 6 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1 THRU 6	S44120	94-152-003
7 THRU 10	P43899	94-152-004
11	S35201	95-152-002
12 THRU 15	S35201	95-152-004
16	S33982	94-152-002
17,18	S43424	C94-152-084
19 THRU 22	S43372	C94-152-048

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

1. Owner Pennsylvania Power & Light Co. Date 7/17/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 6 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
- PO Box 467, Berwick, PA 18603 See sheet 5 for work documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
- Expiration Date N/A
4. Identification of System 152B - HPCI Turbine and Auxiliary
5. (a) Applicable Construction See Page 6 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 3, 5, 12, 14, 17	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA
2, 4, 13, 15, 18,19 THRU 22	ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA
6	ASME SEC III; CLASS 2; 1986 EDITION; 1990 ADDEND
7, 8, 9, 10	ASME SEC III; CLASS 2; 1971 EDITION; SUMMER 1973 ADDENDA
11	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA
16	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA; CODE CASES 1516-1 AND 1534

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

1. Owner <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Date <u> 7/17/95 </u> Sheet <u> 7 </u> of <u> 7 </u>
2. Plant <u> Susquehanna Steam Electric Station </u> <small style="margin-left: 100px;">Name</small> <u> PO Box 467, Berwick, PA 18603 </u> <small style="margin-left: 100px;">Address</small>	Unit <u> 1: </u> <u> See sheet 5 for work documents </u> <small style="margin-left: 100px;">Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol <u> None </u> Authorization <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> 152B - HPCI Turbine and Auxiliary </u>	
5. (a) Applicable Construction <u> See Page 6 </u> 19 <u> </u> Edition, <u> </u> Addenda, <u> </u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u> '89 No Add. </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

Item (s)	Description of Work
1 THRU 6	VISIBLE LEAK WILL REQUIRE THE REPLACEMENT OF VALVES AND PIPING
7 THRU 10	HPCI INNER RUPTURE DISKS TO BE REPLACED DURING REGULAR 3 YR. PM
11	REMOVAL AND REWELD OF TWO WELDS TO ALLOW FOR PIPE MOVEMENT FOR ECO 93-6051
12 THRU 15	DUE TO LEAK-BY PAST THE SEAT OF VALVE 155F044 THE STEM & DISC ASSY. AND THE BACKSEAT BUSHING WAS REPLACED
16	GRIND OUT SEAT RING WELD, NEW WELD PERFORMED BY ANCHOR DARLING.
17,18	VISIBLE LEAK WILL REQUIRE THE REPLACEMENT OF THE STEM & DISC ASSY. AND THE BACKSEAT BUSHING
19 THRU 22	DUE TO LEAK-BY PAST THE SEAT OF VALVE LSH155N014-R2 THE STEM & DISC ASSY. AND THE BACKSEAT BUSHING WAS REPLACED
Item (s)	Description of Tests
1 THRU 6 AND 11 THRU 15, 17, 18	NON VT-2 PER FROM 480
7 THRU 10, 16	VT-2 PER SE-152-301
19 THRU 22	NON VT-2 PER FROM 480

FORN MANUFACTURERS DATA REPORT FOR NUCLEAR PUMPS OR VALVES

As Required by the Provisions of the ASME Code Rules

15

1. Manufactured by Yarway Corporation, Blue Bell, PA Order No. 40751
(Name & Address of Manufacturer)

2. Manufactured for Bechtel Power Corporation Order No. 9645-M-251.0
(Name and Address)

3. Owner Mississippi Power and Light Company

4. Location of Plant Port Gibson, Mississippi

5. Pump or Valve Identification Nuclear Service Valves - Serial Numbers
3461 Thru. 3485 Inclusive
(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-04 Prepared by Yarway Corporation

(b) National Board No. None

6. Design Conditions 2350 psi 700 °F or Pressure Class 1500 PSI (1)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

Edition 1974, Addenda Date Winter 1974, Case No. None

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	A5	AHS. 5382	Iova/Hornet	Disc
(b) Forgings	N1	SA 105	Cape Ann Tool Co.	Body
	XW 684	SA 193 B7	Republic Steel	Backseat Bushing

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information for items 1, 2, 3 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.

No. 94-0135
RECORD PACKAGE
PAGE 44 OF 47

91183-11343

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	None		
(d) Other Parts	None		

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Power Corporation, Gaithersburg, Maryland
 Success analysis report on file at Bechtel Power Corp., Gaithersburg, Maryland
 Design specifications certified by Thomas W. Habermas (1) Prof. Eng. State MISS Reg. No. 6064
 Stress analysis report certified by Harold I. Gregg (1) Prof. Eng. State Pa. Reg. No. 9053E
 (1) Signature not required. List name only.

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

Date August 23, 1976 Signed Yarway Corporation By W. A. Volger
 (Manufacturer)

Certificate of Authorization No. N-899 expires October 28, 1977 W. A. Volger

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Pennsylvania and employed by Phila. Manufacturers Mutual Insurance Co. * Phila. PA have inspected the equipment described in this Data Report on August 23, 1976, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date August 23, 1976

D. Daulton (Inspector)
David L. Daulton Commission

NB 7525 PA 2159 C.A.H. 9-20
 (National Board, State, Province and No.)

No. 91-0135
 RECORD PACKAGE
 PAGE 24 OF 27

*Part of the Factory Mutual System.
 **Corrected copy. Mfg. Rep W. A. Volger 11/1/78 ANI. 11/22/77
 NB-6344

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA. 19422 Order No. 41171
(Name & Address of Manufacturer)

2. Manufactured for BECHTEL POWER CORPORATION Order No. 9645-M-251.0
(Name and Address)

3. Owner MISSISSIPPI POWER AND LIGHT COMPANY

4. Location of Plant PORT GIBSON, MISSISSIPPI

5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 1"

SERIAL NUMBER(S) A7536 THRU A7550 *WAV 6/22/79*
(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-04 Prepared by YARWAY CORPORATION

(b) National Board No. ---

6. Design Conditions --- psi --- °F or Pressure Class 1500 psi (2)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

Edition 1974, Addenda Date WINTER 1974, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	<u>G7, C8</u>	<u>AMS 5385</u>	<u>NOVA/HOMMET CORP.</u>	<u>DISC</u>
(b) Forgings	<u>Y8</u>	<u>SA105</u>	<u>CAPE ANN TOOL CO.</u>	<u>BODY</u>
	<u>1683</u>	<u>SA182 Gr. F6A</u>	<u>*CYCLOPS CORP.</u>	<u>BACKSEAT BUSHING</u>

***THIS MATERIAL MEETS THE REQUIREMENTS OF SA182 Gr. F6 1974 WINTER ADDENDA.**

(1) For manually operated valves only. (2) 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, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the end of this form.

9118321368

9
1
1
8
3
2
1
3
6
9

Part No.	Material	Quantity	Remarks
(c) Bolting	NONE		
(d) Other Parts	NONE		

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS W. HABERMAS (1) Prof. Eng. State MISS Reg. No. 6064
 Stress analysis report certified by HAROLD T. GREGG (1) Prof. Eng. State PA Reg. No. 9053
 (1) Signature not required. List name only.

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

Date JUNE 22 19 79 Signed YARWAY CORPORATION by W. A. YOLGER
(Manufacturer)

Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SIOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO. OF PHILADELPHIA, PA.* have inspected the equipment described in this Data Report on JUNE 22 19 79, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date JUNE 22 19 79

N. S. Hewitt Commissions NB 6344 PA 2056
(Inspector) (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

No. 91-0136
 RECORD PACKAGE
 PAGE 23 OF 30

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

Purchase Order 7-38448-1

Register 13394

(a) Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-C1 through C4 Nat'l Bd. No. --

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 4

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. -- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2 Heat Code 5293

Material furnished in September 1987.

PP&L is responsible for the identification of parts with serial numbers.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III. (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 21 FEB. 1992 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder) F. W. Peszka

Certificate of Authorization Expires Nov. 14, 1992 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by John R. Schmiedel Penna. 19370E
Richard O. Schlueter Prof. Eng. State Penna. Reg. No. 26382E
and Sidney Arthur Copland Penna. 19877E

Stress analysis report certified by George J. Loos Prof. Eng. State NJ Reg. No. 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this

Partial Data Report on FEB. 28 1992, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual System

Date FEB. 28 1992

William R. Rogers III Commissions NB7980 PA2204 NIBS IS
Inspector's Signature National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

BS&B TULSA 5 1 1 URGENT 2 5
Attn: Bob Schultz
(20) 10897 57187

94-152-004



SAFETY SYSTEMS

DATE: 10/22/1984

CUSTOMER: Pennsylvania Power & Light Co.

SUBJECT: Your Purchase Order Number: 4-32843-1
BS&B S. O. Number: 84090025
BS&B Lot Number: 84090025-1

RECEIVED
JAN 28 1985

CERTIFICATE OF CONFORMANCE
ASME SECTION III
RUPTURE DISK

DISK MANUFACTURE DATE - SEPT. 22, 1984

We certify that the material covered by this report has been manufactured, inspected, and tested in accordance with the ASME Section III Nuclear Code and that test results and mill test reports are on file subject to examination. The applicable ASME Section III paragraphs are as follows: NC-2000, NC-7830, and NC-7920, 1971 Edition with Summer 1973 Addenda, Class 2.

IF STORED IN A DRY, PROTECTED, NON-CORROSIVE ENVIRONMENT, AND IF STORED IN THE ORIGINAL UNOPENED PACKAGING, THESE RUPTURE DISKS AND VACUUM SUPPORTS HAVE AN INDEFINITE SHELF LIFE.
BS&B SAFETY SYSTEMS, INC.

D. L. Vavra
D. L. Vavra
Quality Control Manager

ATTACHMENTS: Burst Test Certificate (NR-1 Form)
Mill Test Report (HT #800794) - Vacuum Support
(HT #886798) - Disk
Material Verification Test Report (Sample #4488329)

842306
RECORD PACKAGE
PAGE 3 OF 14



DATA REPORT OF RUPTURE DISKS
As Required by the Provisions of the ASME Code Rules,
Section III, Div. 1

SAFETY SYSTEMS

1. Manufactured by: BS&B Safety Systems, Inc., Tulsa, Oklahoma
(Name and address of Manufacturer)

IDENTIFICATION OF RUPTURE DISK

- 2. Type or Style No. BV Lot No. 84090025-1
- 3. Disk Dimensional Characteristics:
Size: 16" Capacity 431,434 SCFM Air
- 4. Material Specification: ASTM A-167 TY 316 (Stainless Steel)
- 5. Drawing No. N/A
- 6. Burst Pressure 166.5 PSIG Max. 150.5 PSIG Min.
- 7. Coincident Disk Temperature 380 Deg F
- 8. Element used in tests Air
- 9. Cyclic Test Results (if required) N/A

CERTIFICATION

10. Place of Test: Tulsa, Oklahoma Date of Test: 10/22/84

We certify the above data to be correct and that these disks have been
manufactured and tested to the requirements of the ASME Code.

SIGNED: BS&B Safety Systems, Inc. BY: D. L. Vavra
DATE: October 22, 1984. D. L. Vavra
Quality Control Manager

No. of Pieces Shipped: 20

Actual Burst Test Results: 183 PSIG @ 72 deg F
160, 157 PSIG @ 380 Deg F

84-2006
4 74

1. Manufactured for YANWAY CORPORATION, 2111 N. 21st St., 19472 68551

2. Manufactured for RECHTEL POWER CORPORATION 8888 MARIETTA, GA

3. Owner MISSISSIPPI POWER AND LIGHT COMPANY

4. Location of Plant PORT GIBSON, MISSISSIPPI

5. Pump or Valve Identification NUCLEAR SERVICE VALVE SIZE - 1"

SERIAL NUMBER(S) B0671 THRU B0695

(Brief description of service for which equipment was designed)

(a) Drawing No. 105271-05 Prepared by YANWAY CORPORATION

(b) National Board No. _____

6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (1)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

8. Edition 1974, Addenda Date WINTER 1974, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	C8	AMS 5385	NOVA/HUMMET CORPORATION	DISC
	C10	AMS 5385	NOVA/HUMMET CORPORATION	DISC
(b) Fastings	B5	SA105	CAPE ANN TOOL COMPANY	BODY
	Y8	SA105	CAPE ANN TOOL COMPANY	BODY
	1764	SA182 Gr. F6a	CYCLOPS CORP.	BACKSEAT NUTS

No 91-0138
RECORD PACKAGE
PAGE 5 OF 99

(1) For manually operated valves only.

*Supplemental sheets in form of notes, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 3a and 3b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

3/78 This form (2000) may be checked from the Order Dept., ASME, 545 E. 63 St., New York, N.Y. 10022

9.11.83 2.1426

(c) Pumps			
(d) Other Parts	NONE		

2. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS V. HARRIMAS (1) Prof. Eng. State MISS Reg. No. 6064
 Stress analysis report certified by HAROLD T. GREGG (1) Prof. Eng. State PA Reg. No. 9053B
 (1) Signature not required. List name only.
 We certify that the statements made in this report are correct.
 Date 12/26/79 Signed YARMAY CORPORATION By [Signature]
W. A. VOLGER
 Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO., PHILADELPHIA, PA have inspected the equipment described in this Data Report on _____ and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 12/26/79
[Signature] Commission MB 3525 PA 2157
 (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

No. 91-0138
 RECORD PACKAGE
 PAGE 10 OF 99

C94-152-048

C94-150-042

As required by the Provision of the ASME Code Rules, Section III (Part 1).

Register 15599

(a) Manufactured by Yarway Corporation, Blue Bell, PA 19422

(b) Manufactured for Penna. Power & Light Co., Susquehanna SES, Berwick, PA 18603

2. Identification-Certificate Holder's Serial No. of Part 90-1-2L1-A1 thru A24 Nat'l Bd. No. 045111

(a) Constructed According to Drawing No. 966118-02 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Stem Assembly, 1" - 5500 - Qty. 24

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. -- Class 1

3. Remarks: Renewal parts for nuclear globe valve
(Brief description of service for which component was designed)
Material: Disc, AMS 53C; Heat Code: 90-1-2L1

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III. The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.

Date 12/23 1991 Signed YARWAY CORPORATION By F. W. Peszka
(NPT Certificate Holder) F. W. Peszka

Certificate of Authorization Expires Nov. 14, 1992 Certificate of Authorization No. N-2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Co.
Stress analysis report on file at Not Required
Design specifications certified by John R. Schmiedel PA 19370E
Richard O. Schlueter PA 26382E
Sidney Arthur Copland PA 19877E
Stress analysis report certified by George Loos NJ 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on 12/23 1991 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
*Factory Mutual System
Date 12/23 1991
A. W. Bastien Commissions PA 2313 (ANT)
Inspector's Signature National Board, State, Province, and Territory

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 1-3 on the Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

RECORD PACKAGE PAGE 25 OF 41

Items 4-8 incl. to be completed for single wall vessels; jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
 (Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)
 (a) _____
 (b) _____

If removable, bolts used _____ Other fastening _____
 (Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)

7. Jacket Closure: _____
 (Describe as ogee and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure² _____ psi at _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items 9 and 10 to be completed for tube sections

9. Tube Sheets: Stationary. Material _____ Dia. _____ Thickness _____ in. Attachment _____
 (Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

Floating. Material _____ Dia. _____ Thickness _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thickness _____ inches or ogee. Number _____ Type _____
 (Str. or U)

Items 11-14 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Dia. _____ ft. _____ in. Length _____ ft. _____ in.
 (Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long _____ H.T. _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T. _____ R.T. _____ No. of Courses _____

13. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Press. (Conv. or Conc.)
 (a) Top, bottom, ends _____
 (b) Channel _____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____
 (Describe or attach sketch)

14. Design pressure² _____ psi at _____ °F Drop Weight _____ Charpy Impact _____ ft-lb at temp. of _____ °F

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number _____ Size _____ Location _____

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

17. Inspection Manholes, No. _____ Size _____ Location _____
 Openings: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ (Number) _____ Legs _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Where & How)

¹ If Postweld Heat Treated.
² List other internal or external pressure with coincident temperature when applicable.



FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APP

As required by the Provision of the ASME Code Rules, Section III, Div. 1

C94-152-048

C94-150-042

Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)
 Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-B1 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)
Material: ASME SA-182 Grade F6a Class 2
Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
 (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/25 1991 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder)
 Date of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company
 Stress analysis report on file at Pennsylvania Power & Light Company
 Design specifications certified by John R. Schmiedel Penna. 19370E
Richard O. Schlueter Prof. Eng. State Penna. Reg. No. 26382E
 and Sidney Arthur Copland Penna. 19877E
 Stress analysis report certified by George J. Loos Prof. Eng. State N.J. Reg. No. 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on 10/28 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

*Factory Mutual System

Date 10/28 1991
 Inspector's Signature M. S. Schuett Commissions PA 2056 NIS 513
National Board, State, Province and No.

*Supplemental sheets in form of flats, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in Items 1-2 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3, "Remarks".

(a) Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-B1 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2

Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
 (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/25 1991 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder)

Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by <u>John R. Schmiedel</u>	Prof. Eng. State	<u>Penna.</u>	Reg. No.	<u>19370E</u>
<u>Richard O. Schlueter</u>		<u>Penna.</u>		<u>26382E</u>
and <u>Sidney Arthur Copland</u>		<u>Penna.</u>		<u>19877E</u>
Stress analysis report certified by <u>George J. Loos</u>	Prof. Eng. State	<u>N.J.</u>	Reg. No.	<u>23225</u>

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on 10/28 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual System

Date 10/28 19 91

M. S. Livett Inspector's Signature Commissions PA 2056 NISBIS
National Board, State, Province and No.

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

1. Owner Pennsylvania Power & Light Co. Date 7/7/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 WA# H40295 522# 95-153-001
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 153A - Standby Liquid Control

5. (a) Applicable Construction ASME Sec III 19 77 Edition, Summer '77 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1)TRIGGER BODY SUBASSEMBLY	CONAX	3644	N/A	148F004B	1994	REPLACED	YES
2)TRIGGER BODY SUBASSEMBLY	CONAX	4398	N/A	148F004B	1994	REPLACEMENT	YES

7. Description of Work Replace Trigger body subassembly per MT-153-001

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2 PER SE-153-301
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed: [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/16/95 to 3/22/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature]
Inspector's Signature

Commissions NB 7866 PA WC 24619 AN 11
National Board, State, Province, and Endorsements

Date _____ 19 _____

Item # 2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR INDUSTRIAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

1. Manufactured and certified by Conax Buffalo Corporation, 2300 Walden Avenue, Cheektowaga, NY 14225
(Name and address of NPT Certificate Holder)

2. Manufactured for General Electric Company, 175 Curtner Avenue, San Jose, CA 95125
(Name and address of Purchaser)

3. Location of Installation River Bend Station, St. Francisville, LA 70775
(Name and address)

4. Type: N38017, Rev. F SA479 3045ST 75 KSI N/A 1994
(Drawing no.) (Mat'l spec. no.) (Nominal strength) (ICM#) (Year built)

5. ASME Code, Section III, Division 1: 77 §77 1 N/A
(Section) (Approved date) (Class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision Date

7. Remarks: Inlet Fitting for explosive actuated valve replacement kit for standby liquid control system.

Pneumatic Pressure Test at 2800 psi for 10 minutes.

8. Nom. thickness (in.) .040 Min. design thickness (in.) .031 Dia. ID (ft & in.) .895" Length overall (ft & in.) 2.245"

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 4377	4377
(2) 4378	4378
(3) 4379	4379
(4) 4380	4380
(5) 4381	4381
(6) 4382	4382
(7) 4383	4383
(8) 4384	4384
(9) 4385	4385
(10) 4386	4386
(11) 4387	4387
(12) 4388	4388
(13) 4389	4389
(14) 4390	4390
(15) 4391	4391
(16) 4392	4392
(17) 4393	4393
(18) 4394	4394
(19) 4395	4395
(20) 4396	4396
(21) 4397	4397
(22) 4398 ✓	4398 ✓
(23) 4399 ✓	4399 ✓
(24) 4400	4400
(25) 4401 ✓	4401 ✓

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 1400 psi. Temp. 150 °F. Hydro. test pressure See Remarks at temp. °F
(When applicable)

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



Certificate Holder's Serial Nos. 4377 through 4401

CERTIFICATION OF DESIGN

Design specifications certified by Clyde T. Nish P.E. State CA Reg. no. 15587
(when applicable)

Design report* certified by Francis J. Domino P.E. State NY Reg. no. 38832
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1850 Expires September 2, 1995

Date MAR 4, 1994 Name Conax Buffalo Corporation Signed [Signature]
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NY and employed by Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected these items described in this Data Report on 5-4-94, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 3-4-94 Signed [Signature] Commissions NBIBSYN
(Authorized Inspector) (Nat'l Bd. and state or prov. and no.)



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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 8
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 154A - Emergency Service Water

5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) STEM & DISC ASSY	YARWAY	N/A	N/A	111128B	1976	REPLACED	NO
2) STEM & DISC ASSY	YARWAY	FROM A8514	N/A	111128B	1979	REPLACEMENT	NO
3) BACKSEAT BUSHING	YARWAY	N/A	N/A	111128B	1976	REPLACED	NO
4) BACKSEAT BUSHING	YARWAY	FROM B0644	N/A	111128B	1979	REPLACEMENT	NO

7. Description of Work See Page 8

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 8
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/4/95 to 3/23/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PAWC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 154A - Emergency Service Water
5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, Code Case,
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) STEM & DISC ASSY	YARWAY	N/A	N/A	111129B	1976	REPLACED	NO
6) STEM & DISC ASSY	YARWAY	91-11-1G-B6	N/A	111129B	1994	REPLACEMENT	YES
7) BACKSEAT BUSHING	YARWAY	N/A	N/A	111129B	1976	REPLACED	NO
8) BACKSEAT BUSHING	YARWAY	5293-B5	N/A	111129B	1991	REPLACEMENT	YES
9) STEM & DISC ASSY	YARWAY	N/A	N/A	111129C	1976	REPLACED	NO
10) STEM & DISC ASSY	YARWAY	FROM B0515	N/A	111129C	1979	REPLACEMENT	NO
11) BACKSEAT BUSHING	YARWAY	N/A	N/A	111129C	1976	REPLACED	NO
12) BACKSEAT BUSHING	YARWAY	FROM A7542	N/A	111129C	1979	REPLACEMENT	NO



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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 154A - Emergency Service Water
5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
13) STEM & DISC ASSY	YARWAY	N/A	N/A	111128C	1990	REPLACED	NO
14) STEM & DISC ASSY	YARWAY	2906A3	N/A	111128C	1990	REPLACEMENT	YES
15) BACKSEAT BUSHING	YARWAY	N/A	N/A	111128C	1990	REPLACED	NO
16) BACKSEAT BUSHING	YARWAY	NIA-8	N/A	111128C	1990	REPLACEMENT	YES
17) STEM & DISC ASSY	YARWAY	N/A	N/A	111128A	1977	REPLACED	NO
18) STEM & DISC ASSY	YARWAY	NIA-3	N/A	111128A	1990	REPLACEMENT	YES
19) BACKSEAT BUSHING	YARWAY	N/A	N/A	111128A	1977	REPLACED	NO
20) BACKSEAT BUSHING	YARWAY	2906A8	N/A	111128A	1990	REPLACEMENT	YES
21) STEM & DISC ASSY	YARWAY	N/A	N/A	111129A	1990	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 154A - Emergency Service Water
5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
22) STEM & DISC ASSY	YARWAY	91-11-1G-B1	N/A	111129A	1994	REPLACEMENT	YES
23) BACKSEAT BUSHING	YARWAY	N/A	N/A	111129A	1990	REPLACED	NO
24) BACKSEAT BUSHING	YARWAY	5293-B16	N/A	111129A	1991	REPLACEMENT	YES
25) STEM & DISC ASSY	YARWAY	N/A	N/A	111128D	1976	REPLACED	NO
26) STEM & DISC ASSY	YARWAY	91-11-1G-B5	N/A	111128D	1994	REPLACEMENT	YES
27) BACKSEAT BUSHING	YARWAY	N/A	N/A	111128D	1976	REPLACED	NO
28) BACKSEAT BUSHING	YARWAY	5293-B17	N/A	111128D	1991	REPLACEMENT	YES
29) STEM & DISC ASSY	YARWAY	N/A	N/A	111129D	1976	REPLACED	NO
30) STEM & DISC ASSY	YARWAY	91-111G-B3	N/A	111129D	1994	REPLACEMENT	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 7 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 154A - Emergency Service Water
5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,2,5,6,9,10	ASME SEC III; CLASS 3; 1974 EDITION; WINTER 1974 ADDENDA
3,4,7,8,11,12,22,24,26, 28,30, 32	ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA
13,14,15,16,18,20,21,23	ASME SEC III; CLASS 1; 1986 EDITION, NO ADDENDA
17,19,25,27,29,31	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 8 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 154A - Emergency Service Water
5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 32	REPLACE THE STEM & DISC ASSY'S AND BACKSEAT BUSHINGS DUE TO LEAKAGE PAST THE SEAT
Item (s)	Description of Tests
1 THRU 32	NON VT-2 PER FORM 480

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

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

1. Manufactured and certified by Yarway Corporation, Blue Bell, PA 19422
(name and address of NPT Certificate Holder)

2. Manufactured for Penna. Power & Light Company, Allentown, PA 18101
(name and address of purchaser)

3. Location of installation Susquehanna SES, Berwick, PA 18603
(name and address)

4. Type 968054-12 AMS 5385E 58,100 psi ---- 1990
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III: 1986 None 1 ---
(edition) (addenda date) (class) Code Case no.

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

7. Remarks: Disc-Stem Assembly, Spare Parts for Nuclear Service Valves, 1 inch
Disc Heat Code: NI

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

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>NIA-1</u>	<u>N/A</u>
(2) <u>NIA-2</u>	<u>N/A</u>
(3) <u>NIA-3</u>	<u>N/A</u>
(4) <u>NIA-4</u>	<u>N/A</u>
(5) <u>NIA-5</u>	<u>N/A</u>
(6) <u>NIA-6</u>	<u>N/A</u>
(7) <u>NIA-7</u>	<u>N/A</u>
(8) <u>NIA-8</u>	<u>N/A</u>
(9) <u>NIA-9</u>	<u>N/A</u>
(10) <u>NIA-10</u>	<u>N/A</u>
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
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(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

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

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

90-1080
RECORD PACKAGE
PAGE 13 OF 29

CERTIFICATION OF DESIGN

Design specifications certified by Matthew Hober Jr. P.E. State PA Reg. no. 20118E
(when applicable)
Design report * certified by N/A P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-2450 Expires 11/14/92
Date 10/24/90 Name Yarway Corporation Signed F. W. Peszka
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. (Factory Mutual System) of Norwood, MA have inspected these items described in this Data Report on OCTOBER 24, 1990 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 10-24-90 Signed Ann Hinkel Commissions Pg. 2006
(Authorized Inspector) (Nat'l Bd. Inscr. endorsement) state or prov. and no.

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

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

1. Manufactured and certified by Yarway Corporation, Blue Bell, PA 19422
(name and address of NPT Certificate Holder)
2. Manufactured for Penna. Power & Light Company, Allentown, PA 18101
(name and address of purchaser)
3. Location of installation Susquehanna SES, Berwick, PA 18603
(name and address)
4. Type 938537-68 SA564 Gr. 630 145,000 psi min. ---- 1990
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1986 None 1 ----
(edition) (addenda date) (class) (Code Case no)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) ---- Revision ---- Date ----
(no.)
7. Remarks: Backseat Bushing, Spare Parts for Nuclear Service Valves, 1 inch
Heat Code: 2906
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 2906A1	N/A
(2) 2906A2	N/A
(3) 2906A3	N/A
(4) 2906A4	N/A
(5) 2906A5	N/A
(6) 2906A6	N/A
(7) 2906A7	N/A
(8) 2906A8	N/A
(9) 2906A9	N/A
(10) 2906A10	N/A
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
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(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

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

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

REC'D
PAGE 25 of 29

CERTIFICATION OF DESIGN

Design specifications certified by Matthew Hober Jr. P.E. State PA Reg. no. 20118E
(when applicable)

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

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-2450 Expires 11/14/92

Date 10/24/90 Name Varway Corporation Signed F. W. Peszka
(NPT Certificate Holder) (authorized representative)
F. W. Peszka

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. (Factory Mutual System) of Norwood, MA have inspected these items described in this Data Report on OCTOBER 24, 1990 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 10-24-90 Signed Jm. Hinks Commissions Pa. 2006
(Authorized Inspector) (Nat'l. Bd. Inscr. endorsements: state or prov. and no.)

(a) Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-B1 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2

Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/25 19 91 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder)

Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by <u>John R. Schmiedel</u>	Prof. Eng. State	<u>Penna.</u>	Reg. No. <u>19370E</u>
<u>Richard O. Schlueter</u>		<u>Penna.</u>	Reg. No. <u>26382E</u>
<u>and Sidney Arthur Copland</u>		<u>Penna.</u>	Reg. No. <u>19877E</u>
Stress analysis report certified by <u>George J. Loos</u>	Prof. Eng. State	<u>N.J.</u>	Reg. No. <u>23225</u>

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors' and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on 10/28 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual System

Date 10/28 19 91

M. Schlueter
Inspector's Signature

Commissions PA 2056 N18813
National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3, "Remarks".

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

REGISTER 58957

SHOP ORDER 48757

1. (a) Manufactured by Yarway Corporation, A Subsidiary of Keystone International, Inc.
480 Norristown Road, Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)
- (b) Manufactured for Penna. Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of NPT Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part 91-11-16-81 through
045122, 86 Nat'l Bd. No. ---
- (a) Constructed According to Drawing No. 966238-02 Drawing Prepared by Yarway Corporation
- (b) Description of Part Inspected Stem Assembly, 1" - 5500 - Qty. 6
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1
3. Remarks: Renewal parts for nuclear globe valve
(Brief description of service for which component was designed)
Material: Disc, AMS 5385E; Heat Code: 91-11-16

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
 (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 9 Dec. 1994 Signed YARWAY CORPORATION By F. W. Peszka
(NPT Certificate Holder)
 Certificate of Authorization Expires Nov. 14, 1995 Certificate of Authorization No. N-2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Co.

Stress analysis report on file at Not Required

Design specifications certified by John R. Schmiedel PA 19370E
Richard O. Schlueter Prof. Eng. State PA Reg. No. 26382E
Sidney Arthur Copland PA 19877E
 Stress analysis report certified by George Loos Prof. Eng. State NJ Reg. No. 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Roxwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on Dec. 10 1994, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

* Factory Mutual Engineering Association

Date 12-9 1994

William R. Regus III
 Inspector's Signature

Commission NB7980 NIBSIS PA2204
 National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 3, "Remarks".

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/19/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 19

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

See Sheets 13, 14, 15 and 16 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 155B - Control Rod Hydraulics

5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-5019	1977	REPLACED	NO
2) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-5019	1983	REPLACEMENT	NO
3) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3439	1977	REPLACED	NO
4) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-3439	1983	REPLACEMENT	NO

7. Description of Work See Page 18

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 18
Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/7/95 to 4/24/95, 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. FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PAUC 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 155B - Control Rod Hydraulics

5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3035	1977	REPLACED	NO
6) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 46190 P/N 2-13502-S27	N/A	147F101-3035	1983	REPLACEMENT	NO
7) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3423	1977	REPLACED	NO
8) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 46190 P/N 2-13502-S27	N/A	147F101-3423	1983	REPLACEMENT	NO
9) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3407	1977	REPLACED	NO
10) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 46190 P/N 2-13502-S27	N/A	147F101-3407	1983	REPLACEMENT	NO
11) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F102-3407	1977	REPLACED	NO
12) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 46190 P/N 2-13502-S27	N/A	147F102-3407	1983	REPLACEMENT	NO
13) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3403	1977	REPLACED	NO



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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 3 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
- PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
14) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-3403	1983	REPLACEMENT	NO
15) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-5431	1977	REPLACED	NO
16) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-5431	1983	REPLACEMENT	NO
17) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F102-5035	1977	REPLACED	NO
18) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F102-5035	1983	REPLACEMENT	NO
19) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F102-5819	1977	REPLACED	NO
20) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F102-5819	1983	REPLACEMENT	NO
21) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F102-4203	1977	REPLACED	NO
22) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F102-4203	1983	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 4 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
23) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-1031	1977	REPLACED	NO
24) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 46190 P/N 2-13602-S27	N/A	147F101-1031	1983	REPLACEMENT	NO
25) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-2619	1977	REPLACED	NO
26) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-2619	1983	REPLACEMENT	NO
27) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-2219	1977	REPLACED	NO
28) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-2219	1983	REPLACEMENT	NO
29) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-2639	1977	REPLACED	NO
30) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-2639	1983	REPLACEMENT	NO
31) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3047	1977	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
32) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13502-S27	N/A	147F101-3047	1983	REPLACEMENT	NO
33) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-2615	1977	REPLACED	NO
34) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13502-S27	N/A	147F101-2615	1983	REPLACEMENT	NO
35) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3007	1977	REPLACED	NO
36) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13502-S27	N/A	147F101-3007	1983	REPLACEMENT	NO
37) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-4215	1977	REPLACED	NO
38) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13502-S27	N/A	147F101-4215	1983	REPLACEMENT	NO
39) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F102-3435	1977	REPLACED	NO
40) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13502-S27	N/A	147F102-3435	1983	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/19/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 6 of 19

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

 PO Box 467, Berwick, PA 18603
Address

 See Sheets 13, 14, 15 and 16 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 155B - Control Rod Hydraulics

5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
41) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-1435	1977	REPLACED	NO
42) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-1435	1983	REPLACEMENT	NO
43) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F102-1023	1977	REPLACED	NO
44) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F102-1023	1983	REPLACEMENT	NO
45) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-1831	1977	REPLACED	NO
46) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-1831	1983	REPLACEMENT	NO
47) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-1839	1977	REPLACED	NO
48) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-1839	1983	REPLACEMENT	NO
49) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F102-2231	1977	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 7 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 155B - Control Rod Hydraulics

5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
50) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F102-2231	1983	REPLACEMENT	NO
51) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-0631	1977	REPLACED	NO
52) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-0631	1983	REPLACEMENT	NO
53) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-1427	1977	REPLACED	NO
54) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-1427	1983	REPLACEMENT	NO
55) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-1823	1977	REPLACED	NO
56) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-1823	1983	REPLACEMENT	NO
57) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3459	1977	REPLACED	NO
58) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-3459	1983	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 8 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
- PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
- Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
59) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3859	1977	REPLACED	NO
60) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-3859	1983	REPLACEMENT	NO
61) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-1023	1977	REPLACED	NO
62) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F101-1023	1983	REPLACEMENT	NO
63) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F102-1435	1977	REPLACED	NO
64) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 842109 P/N 2-13602-S27	N/A	147F102-1435	1983	REPLACEMENT	NO
65) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	N/A	N/A	147F101-3815	1977	REPLACED	NO
66) 1" VENT VALVE STEM AND DISC ASSY	DRAGON VALVES	HT# 46190 P/N 2-13602-S27	N/A	147F101-3815	1983	REPLACEMENT	NO
67) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1330	N/A	HCU 22-39 ASSY# 1055	1975	REPLACED	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 9 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction) 9U See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
68) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	2069	N/A	HCU 22-39 ASSY# 1055	1992	REPLACEMENT	YES
69) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1382	N/A	HCU 50-31 ASSY# 1092	1975	REPLACED	YES
70) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	2057	N/A	HCU 50-31 ASSY# 1092	1975	REPLACEMENT	YES
71) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1257	N/A	HCU 42-31 ASSY# 990	1975	REPLACED	YES
72) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1261	N/A	HCU 42-31 ASSY# 990	1975	REPLACEMENT	YES
73) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1322	N/A	HCU 34-47 ASSY# 1047	1975	REPLACED	YES
74) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1257	N/A	HCU 34-47 ASSY# 1047	1975	REPLACEMENT	YES
75) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1277	N/A	HCU 34-03 ASSY# 971	1975	REPLACED	YES
76) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1393	N/A	HCU 34-03 ASSY# 971	1975	REPLACEMENT	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 10 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 155B - Control Rod Hydraulics

5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
77) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1261	N/A	HCU 30-35 ASSY# 975	1975	REPLACED	YES
78) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1253	N/A	HCU 30-35 ASSY# 975	1975	REPLACEMENT	YES
79) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	2013	N/A	HCU 30-07 ASSY# 2055	1975	REPLACED	YES
80) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1277	N/A	HCU 30-07 ASSY# 2055	1975	REPLACEMENT	YES
81) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	2057	N/A	HCU 26-43 ASSY# 2046	1975	REPLACED	YES
82) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1322	N/A	HCU 26-43 ASSY# 2046	1975	REPLACEMENT	YES
83) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1401	N/A	HCU 18-03 ASSY# 1108	1975	REPLACED	YES
84) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1271	N/A	HCU 18-03 ASSY# 1108	1975	REPLACEMENT	YES
85) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1393	N/A	HCU 02-43 ASSY# 1099	1975	REPLACED	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 11 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
86) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1330	N/A	HCU 02-43 ASSY# 1099	1975	REPLACEMENT	YES
87) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1794	N/A	HCU 22-15 ASSY# 2037	1975	REPLACED	YES
88) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	6035	N/A	HCU 22-15 ASSY# 2037	1994	REPLACEMENT	YES
89) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1433	N/A	HCU 22-03 ASSY# 1016	1975	REPLACED	YES
90) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	1244	N/A	HCU 22-03 ASSY# 1016	1975	REPLACEMENT	YES
91) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	2036	N/A	HCU 26-27 ASSY# 2036	1975	REPLACED	YES
92) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	2013	N/A	HCU 26-27 ASSY# 2036	1975	REPLACEMENT	YES
93) 1" CRD INSERT LINE SUPPORT	NISCO	N/A	N/A	1S23-I-859	1981	REPLACED	NO
94) PIPE STRAP	UNISTRUT	HT# 469241	N/A	1S23-I-859	1994	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 12 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 13, 14, 15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
95) CAP SCREW	TEXAS BOLT	HT# 6040531	N/A	1S23-I-859	1994	REPLACEMENT	NO
96) SHIM PLATE (4)	J& L SPECIALTY STEEL	HT# 915755	N/A	1S23-I-859	1994	REPLACEMENT	NO
97) SHIM PLATE (4)	J& L SPECIALTY STEEL	HT# 715514	N/A	1S23-I-859	1994	REPLACEMENT	NO
98) 3/4" CRD WITHDRAW LINE SUPPORT	NISCO	N/A	N/A	AT 147F102-3139	1981	REPLACED	NO
99) PIPE STRAP	UNISTRUT	HT# C0146	N/A	AT 147F102-3139	1995	REPLACEMENT	NO
100) CAP SCREW	TEXAS BOLT	HT# 6040531	N/A	AT 147F102-3139	1989	REPLACEMENT	NO
101) SHIM PLATE (2)	J& L SPECIALTY STEEL	HT# 915755	N/A	AT 147F102-3139	1994	REPLACEMENT	NO
102) SPRING NUT	J& L SPECIALTY STEEL	HT# C0066	N/A	AT 147F102-3139	1994	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 13 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 13, 14, 15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 155B - Control Rod Hydraulics

5. (a) Applicable Construction See page 17 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
103) 1" GATE VALVE DISC	HENRY VOGT	N/A	N/A	147101-2623	1975	REPLACED	NO
104) 1" GATE VALVE DISC	HENRY VOGT	FROM VALVE 4-215490 PART# 131C9096P002	N/A	147101-2623	1987	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 14 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1, 2	S43135	94-155-001
3, 4	S53417	95-155-003
5, 6	S53416	95-155-004
7, 8	S53430	95-155-005
9,10	S53431	95-155-006
11,12	S53418	95-155-007
13,14	S53420	95-155-008
15,16	S53436	95-155-009
17,18	S53421	95-155-010
19,20	S53422	95-155-011
21,22	S53437	95-155-012
23,24	S53521	95-155-014
25,26	S53428	95-155-015

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 15 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
- PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
27, 28	S53445	95-155-016
29, 30	S53446	95-155-017
31, 32	S53427	95-155-018
33, 34	S53444	95-155-019
35,36	S53429	95-155-020
37,38	S53432	95-155-021
39,40	S53433	95-155-022
41,42	S53423	95-155-023
43,44	S53426	95-155-024
45,46	S53425	95-155-025
47,48	S53438	95-155-026
49,50	S53439	95-155-027
51,52	S53442	95-155-028

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 16 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
53, 54	S53440	95-155-029
55, 56	S53441	95-155-030
57, 58	S53434	95-155-031
59, 60	S53435	95-155-032
61,62	S53443	95-155-003
63,64	S53424	95-155-034
65,66	S53419	95-155-035
67,68	S44262	94-155-005
69,70	S44255	94-155-006
71,72	S44256	94-155-007
73,74	S44257	94-155-008
75,76	S44258	94-155-009
77,78	S44259	94-155-010

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/19/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 17 of 19

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

See Sheets 13, 14, 15 and 16 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 155B - Control Rod Hydraulics

5. (a) Applicable Construction See page 17 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
79,80	S44260	94-155-011
81,82	S44261	94-155-012
83,84	S44263	94-155-013
85,86	S44264	94-155-014
87,88	S44265	94-155-015
89,90	S44266	94-155-016
91,92	S53099	95-155-001
93 THRU 97	S53503	95-155-013
98 THRU 102	S53673	95-155-036
103,104	S53376	95-155-002

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 18 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 13,14,15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 155B - Control Rod Hydraulics
5. (a) Applicable Construction See page 17 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,2,3,4,5,7,9,11,13 THRU 65	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1975 ADDENDA
6,8,10,12,66	ASME SEC III; CLASS 2; 1980 EDITION; SUMMER 1982 ADDENDA
67 THRU 92	ASME SEC VIII; DIVISION 1
93, 98	ASME SEC III; SUBSECTION NF; 1977 EDITION; WINTER 1977 ADDENDA; NF-2610; CODE CASES 1644-6 & 1644-8
94	ASME SEC III; SUBSECTION NF; 1977 EDITION; WINTER 1977 ADDENDA; CODE CASE N71-15
95,96,97,99,100,101,102	ASME SEC III; SUBSECTION NF; 1977 EDITION; WINTER 1977 ADDENDA
103	ASME SEC III; CLASS 1, 1974 EDITION; NO ADDENDA
104	ASME SEC III; CLASS 1, 1977 EDITION; SUMMER 1977 ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name

Two North Ninth St., Allentown, PA 18101 Sheet 19 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name

PO Box 467, Berwick, PA 18603 See Sheets 13, 14, 15 and 16 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name

Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 155B - Control Rod Hydraulics

5. (a) Applicable Construction See page 17 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 66	REPLACE STEM AND DISC ASSY DUE TO VALVE LEAKAGE
67 THRU 92	CHANGED HCU ACCUMULATORS DUE TO LEAKAGE
93 THRU 102	CLAMPS FOUND MISSING DURING WALK DOWN, REPLACED CLAMPS
103,104	DISC REPLACED DUE TO LEAKBY
Item (s)	Description of Tests
1 THRU 66, 103,104	NON VT-2 PER FORM 480
67 THRU 102	NO TESTING REQUIRED



94-155005

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSEL
 (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28402
(Name and address of manufacturer)
2. Manufactured for Susquehanna 1 Berwick, Pennsylvania 18603
(Name and address of purchaser)
3. Location of installation not known
(Name and address)
4. Type Vertical 2069 N/A 112D3405 C001 Rev 02 N/A 1992
(Horn. or vert. tank) (Mfg's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1989 to 1990 N/A N/A
Year Addenda (Date) Code Case Nos. Special Service per UG-120(d)
6. Shell: SA312 Gr. TP304 0.750" 0.005" 7.028" 3 ft. 2.38 inches
Mat'l (Spec. No., Grade) Nom. thk. (in.) Cor. Allow. (in.) Diam. UG (ft. & in.) Length (overall) (ft. & in.)
7. Seams: Seamless N/A
Long. (Welded, DOL, Sing. Lap, But) RT. (Spot or Full) Etc. (%) HT. Temp. (F) Time (hr) Girth (Welded, DOL, Sing. Lap, But) RT. (Spot or Full) No. of Courses
8. Head: (a) Mat'l. SA182-F304 (b) Mat'l. SA182-F304
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knurled Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top	2.485"	0.005"	-	-	-	-	-	7.220"	Flathead
(b) Bottom	2.485"	0.005"	-	-	-	-	-	7.220"	Flathead

If removable, bolts used (describe other fastenings) _____
(Mat'l, Spec. No., W., Size, No.)

9. MAWP 2100 psi at max. temp. 150° F. Min. design metal temp. 35° F at 2100 psi. Hydrostatic test pressure 3500 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Drain Size	Type	Mat'l.	Nom. Thickness	Reinforcement Material	How Attached	Location
Gas Port	1	0.75"	Opening	SA182-F304	N/A	N/A	N/A	N/A
Water Port	1	0.97"	Opening	SA182-F304	N/A	N/A	N/A	N/A

11. Supports: Skirt No Legs No Legs No Other Band Clamps Attached around approx. middle
(Yes or No) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data reports property identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

N/A
(Name of part, item number, Mfg's name and identifying stamp)

Complete mechanical assembly with no welded joints.
Although a Differential Pressure exists on each side of the Internal Piston, the Accumulator Cylinder is hydrostatically tested with the Piston removed.
Meets design, construction, and test requirements of 1977 edition, winter 1979 addenda.

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 10,572 expires June 10, 1993

Date 06/26/92 Co. name GE NF & CM Signed M. Johnson
(Manufacturer) (Inspector)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GE NF & CM at Wilmington, North Carolina.

I, the undersigned, holding a valid commission issued by the National Board and Pressure Vessel Inspectors and/or the State or Province of North Carolina and employed by Department of Labor have inspected the component described in this Manufacturer's Data Report on 5/29, 1992, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's 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 6/26/92 Signed Quinn P. Evans Commissioned NC 1231, Ohio, WC 3686 PA
(Authorized Inspector) (National Board (incl. endorsements), State, Prov. and No.)

(04/90)

NO. 95-003
 RECORD PACKAGE
 DATE 2/20/93

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

94-155-015

Designed and certified by General Electric Company Nuclear Fuel & Components Manufacturing (GE NF & CM)
2117 Castle Hayne Road, Wilmington, North Carolina 28402
(Name and address of manufacturer)

1. Manufactured for Susquehanna 1 Berwick, Pennsylvania 18603
(Name and address of purchaser)

2. Location of installation not known
(Name and address)

3. Type Vertical 6035 N/A 112D3405 G001 Rev 02 N/A 1994
(Type of vessel) (Wgt's serial No.) (CRN) (Drawing No.) (Mater. U.S. No.) (Year built)

4. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conforms to ASME Rules, Section VIII, Division 1 1992 to 1993 N/A N/A
Year Addenda (Date) Code Case Nos. Special Services per UG-120(a)

5. Shell: SA351 CF8 0.750" 0.005" 7.028" 3 ft. 2.38 inches
Mat. (Spec. No., Grade) Nom. THK. (in.) Cor. Allow. (in.) Diam. U.S. (ft. & in.) Length (overall) (ft. & in.)

6. Seams: Seamless N/A
Long. (Welded, DDC, Sing. Lap, Butt) RT. (Spot or Full) EQ (S) RT. Temp. (F) Time (hr) U.S. (Welded, DDC, Sing. Lap, Butt) RT. (Spot or Full) No. of Courses

7. Heads: (a) Mat. SA182-F304 (b) Mat. SA182-F304
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top	2.485"	0.005"	-	-	-	-	-	7.220"	Flathead
(b) Bottom	2.485"	0.005"	-	-	-	-	-	7.220"	Flathead

If removable, bolts used (describe other fastenings) _____
(Mat., Spec. No., Gr., Size, No.)

8. MAMP 2100 psi at max. temp. 150° F. Sta. design metal temp. 35° F at 2100 psi. Hydrostatic test pressure 3500 psi.

9. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Drain or Size	Type	Mat.	Nom. Thickness	Reinforcement Material	How Attached	Location
Gas Port	1	0.75"	Opening	SA182-F304	N/A	N/A	N/A	N/A
Water Port	1	0.97"	Opening	SA182-F304	N/A	N/A	N/A	N/A

10. Supports: Start No Legs No Legs No Other Band Clamps Attached around approx middle
(Type or No.) (No.) (No.) (Describe) (Where and how)

11. Remarks: Manufacturer's Partial Data reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:
N/A
(Name of part, item number, Wgt's name and identifying stamp)

Complete mechanical assembly with no welded joints.
Although a Differential Pressure exists on each side of the Internal Piston, the Accumulator Cylinder is hydrostatically tested with the Piston removed.
Meets design, construction, and test requirements of 1977 edition, winter 1979 addenda.

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 10.572 expires June 10, 1996

Date 10/25/94 Co. Name GE NF & CM Signed _____
(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GE NF & CM at Wilmington, North Carolina

I, the undersigned, holding a valid commission issued by the National Board and Pressure Vessel Inspectors and/or the State or Province of North Carolina and authorized by Department of Labor have inspected the component described in this Manufacturer's Data Report on 9/30, 1994 and attest that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME, Section VIII, Division 1. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's 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.

10/25/94 Signed Jessie P. Evers Commissioned NC 1231, Ohio, WC 3686 PA
(Authorized Inspector) (N.B. Board (incl. endorsements), State, Prov., and No.)

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
 As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Henry Vogt Machine Co., Louisville, KY
(Name and Address of N Certificate Holder)
 2. Manufactured for General Electric Co., San Jose, CA
(Name and Address of Purchaser or Owner)
 3. Location of Installation _____
(Name and Address)
 4. Pump or Valve Gate Valve Nominal Inlet Size 1^{1/2} (inch) Outlet Size 1^{1/2} (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Std. No.	(g) Year Built
(1)	Gate	1-215490	---	B-46033, R.6	1	---	1987
(2)	Gate	2-215490	---	B-46033, R.6	1	---	1987
(3)	Gate	3-215490	---	B-46033, R.6	1	---	1987
(4)	Gate	4-215490	---	B-46033, R.6	1	---	1987
(5)	Gate	5-215490	---	B-46033, R.6	1	---	1987
(6)	Gate	6-215490	---	B-46033, R.6	1	---	1987
(7)	Gate	7-215490	---	B-46033, R.6	1	---	1987
(8)	Gate	8-215490	---	B-46033, R.6	1	---	1987
(9)	Gate	9-215490	---	B-46033, R.6	1	---	1987
(10)	Gate	10-215490	---	B-46033, R.6	1	---	1987

5. _____
(Brief description of service for which equipment was designed)

6. Design Conditions _____ psig _____ °F or Valve Pressure Class 856 (1)

7. Cold Working Pressure 2055 psig at 100°F. _____

8. Pressure Retaining Pieces

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
(b) Forgings			
Body			
CA-1	SA 182 F316	Vogt	
Bonnet			
CD-1	SA 182 F316	Vogt	

(1) For manually operated valves only.

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



FORM NPV-3 (Rev. 6-73)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Cap Screw			
B7	SA 193 Gr. B7	Texas Bolt	
(d) Other Parts			
GATE			
D-1	SA 479 T.410 (Chemistry Only)	Vogt	

9. Hydraulic test 3100 psi. Disk Differential test pressure 2055 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made by this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1977.
 Addenda S 77, Code Case No. _____, Date 7/30/87.

Signed Henry Vogt Machine Co. by Bertie L. Boyce
(In Certificate Holder's Name)

Our ASME Certificate of Authorization No. 947 to use the H symbol expires 1/6/90.
(H) (Date)

CERTIFICATION OF DESIGN

Design information on file at Henry Vogt Machine Co.
 Stress analysis report (Class 1 only) on file at Henry Vogt Machine Co.

Design specifications certified by (1) Vernon W. Pence
 PE State CA Reg. No. 14488

Stress analysis certified by (1) Guy A. Jolly
 PE State KY Reg. No. 10416

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Kentucky and employed by Commercial Union Ins. Co. of Roseton, VA have inspected the pump, or valve, described in this Data Report of July 30, 1987, and state that to the best of my knowledge and belief, the H Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date July 30, 1987 [Signature] Kentucky 0875
(Inspector) (Part 98, Secs. 1001 and 1002)

86
715

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/18/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

 PO Box 467, Berwick, PA 18603
Address

 See Sheet 2, For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None.

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 161A - Reactor Water Cleanup Filter \ Demineralizer

5. (a) Applicable Construction SEE PAGE 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) BONNET NUT	VALTEK	N/A	N/A	145060A	1971	REPLACED	NO
2) BONNET NUT	TEXAS BOLT	HT# 57988	N/A	145060A	1994	REPLACEMENT	NO
3) 1/2" BALL	MCCANNA	N/A	N/A	145029A	N/A	REPLACED	NO
4) 1/2" BALL	EDWARD VALVES	SN 25541-101-31	N/A	145029A	1994	REPLACEMENT	YES

7. Description of Work See Page 4

8. Test conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 4
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed by [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/16/95 to 3/29/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature]
Inspector's Signature

Commissions NB 7866 PA WC 24619 ANSII
National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 4
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Sheet 2, For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 161A - Reactor Water Cleanup Filter \ Demineralizer
5. (a) Applicable Construction SEE PAGE 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repaire or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1	1969 ASME CODE FOR PUMPS AND VALVES
2	ASME SEC III; CLASS 1; 1992 EDITION; NO ADDENDA
3	1968 ASME CODE FOR PUMPS AND VALVES
4	ASME SEC III; CLASS 3; 1974 EDITION; NO ADDENDA

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/18/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 4 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1:

PO Box 467, Berwick, PA 18603
Address

See Sheet 2, For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 161A - Reactor Water Cleanup Filter \ Demineralizer

5. (a) Applicable Construction SEE PAGE 3 19 Edition, Addenda, 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

Item (s)	Description of Work
1,2	REPLACED DAMAGED BONNET NUT ON CLEAN-UP FILTER DEMIN SKID VALVE
Item (s)	Description of Tests
1,2,3,4	FORM 480 NON VT-2 LEAKAGE TEST

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

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

Not To Exceed One Day's Production

- 1. Manufactured and certified by EDWARD VALVES INC., 1900 S. SAUNDERS ST., RALEIGH, NC 27603
(Name and address of NPT Certificate holder)
- 2. Manufactured for PENNSYLVANIA POWER & LIGHT CO., P.O. Box 467, BERWICK PA 18603
(Name and address of purchaser)
- 3. Location of installation SUSQUEHANNA SES BERWICK, PA 18603
(Name and address)
- 4. Type CBVA-513/E SA479 T316 N/A N/A 1994
(drawing no.) (ASME Code no.) (license strength) (LRN) (year built)
- 5. ASME Code, Section III: 1974 NONE 3 N/A
(edition) (addenda date) (class) (Case Case no.)
- 6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
- 7. Remarks: BALL FOR 1/2" BALL VALVE

SC. 36-32818-01

- 8. Nom. thickness (in.) N/A Min. design thickness (in.) PERM 4 Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
- 9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) <u>25341-101-31</u>	<u>N/A</u>	(25)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

- 10. Design pressure 1400 psi. Temp. 150 °F. Hydro. test pressure N/A at temp. °F
(when applicable)

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

FORM N-2 (back) CERTIFICATION OF DESIGN

Item 1, P. 1, Mr. Serial No. 255-11-101-31

CERTIFICATION OF DESIGN

Design specifications certified by DALE SATTAR P.E. State PA Reg. no. 0195256

Design report* certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N1563 Expires 11/26/94

Date 4/8/94 Name EDWARD VALVES INC Signed [Signature]
(NPT Certificate holder) (Authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSBT & T Co. of HARTFORD, CT have inspected these items described in this Data Report on 4-8-94 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 4-8-94 Signed [Signature] Commissions NB8734, NC 1083
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

10 Design Pressure _____

11 Design Temperature _____

12 Design Stress _____

13 Design Section _____

14 Design Code _____

15 Design Material _____

16 Design Thickness _____

17 Design Allowance _____

18 Design Factor _____

19 Design Allowance _____

20 Design Factor _____

21 Design Allowance _____

22 Design Factor _____

23 Design Allowance _____

24 Design Factor _____

25 Design Allowance _____

26 Design Factor _____

27 Design Allowance _____

28 Design Factor _____

29 Design Allowance _____

30 Design Factor _____

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/07/95
 Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1
 Items 1 and 2 WA#S53635, 95-161-005
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None
 Authorization N/A
 Expiration Date N/A

4. Identification of System 161B REACTOR WATER CLEAN-UP

5. (a) Applicable Construction See sheet 2 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) LEAK OFF PLUG	ANCHOR DARLING	N/A	N/A	HV144F106	1976	REPLACED	NO
2) LEAK OFF PLUG	CONSOLIDATED POWER	HT# 084K	N/A	HV144F106	1976	REPLACEMENT	NO

7. Description of Work Leak-off plug leaking during Ops Hydro, plug was replaced

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2 per SE-161-301
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/3/95 to 5/3/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature]
Inspector's Signature

Commissions NB 7866 PA WC 24619 AN11
National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Date 07/07/95

Sheet 2 of 2

2. Plant Susquehanna Steam Electric Station
Name
PO Box 467, Berwick, PA 18603
Address

Unit 1

Items, 1 and 2 WA#S53635, 95-161-005

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 161B REACTOR WATER CLEAN-UP

5. (a) Applicable Construction See sheet 2 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1	ASME SEC III; CLASS 1; 1971 EDITION; WINTER 1972 ADDENDA
2	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/07/95
 Sheet 1 of 8

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1
 See Page 6 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None
 Authorization N/A
 Expiration Date N/A

4. Identification of System 161B - Reactor Water Clean-up

5. (a) Applicable Construction See Page 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) VENT VALVE	YARWAY	B8073	N/A	144008A	1983	REPLACED	YES
2) VENT VALVE	YARWAY	A8524	N/A	144008A	1979	REPLACEMENT	YES
3) VENT VALVE	YARWAY	B8091	N/A	144008B	1983	REPLACED	YES
4) VENT VALVE	YARWAY	3477	N/A	144008B	1976	REPLACEMENT	YES

7. Description of Work See Page 8

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 8
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/11/94 to 5/5/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/07/95
Name
Two North Ninth St., Allentown, PA 18101
Address
2. Plant Susquehanna Steam Electric Station Sheet 2 of 8
Name
PO Box 467, Berwick, PA 18603
Address Unit 1
 See Page 6 For Work Documents
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101
Address Authorization N/A
 Expiration Date N/A
4. Identification of System 161B - Reactor Water Clean-up
5. (a) Applicable Construction See Page 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) STEM & DISC ASSY	YARWAY	N/A	N/A	144F022A	1983	REPLACED	NO
6) STEM & DISC ASSY	YARWAY	FROM B0690	N/A	144F022A	1979	REPLACEMENT	NO
7) BACKSEAT BUSHING	YARWAY	N/A	N/A	144F022A	1983	REPLACED	NO
8) BACKSEAT BUSHING	YARWAY	HT# J9077	N/A	144F022A	1984	REPLACEMENT	NO
9) STEM & DISC ASSY	YARWAY	N/A	N/A	144F023A	1983	REPLACED	NO
10) STEM & DISC ASSY	YARWAY	FROM B0543	N/A	144F023A	1979	REPLACEMENT	NO
11) BACKSEAT BUSHING	YARWAY	N/A	N/A	144F023A	1983	REPLACED	NO
12) BACKSEAT BUSHING	YARWAY	SN 5293	N/A	144F023A	1986	REPLACEMENT	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/07/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Page 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 161B - Reactor Water Clean-up
5. (a) Applicable Construction See Page 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
13) STEM & DISC ASSY	YARWAY	N/A	N/A	144F016A	1983	REPLACED	NO
14) STEM & DISC ASSY	YARWAY	FROM B0618	N/A	144F016A	1979	REPLACEMENT	NO
15) BACKSEAT BUSHING	YARWAY	N/A	N/A	144F016A	1983	REPLACED	NO
16) BACKSEAT BUSHING	YARWAY	FROM 7865	N/A	144F016A	1977	REPLACEMENT	NO
17) STEM & DISC ASSY	YARWAY	N/A	N/A	144F016B	1983	REPLACED	NO
18) STEM & DISC ASSY	YARWAY	FROM B0597	N/A	144F016B	1979	REPLACEMENT	NO
19) BACKSEAT BUSHING	YARWAY	N/A	N/A	144F016B	1983	REPLACED	NO
20) BACKSEAT BUSHING	YARWAY	FROM 7866	N/A	144F016B	1977	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/07/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 4 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Page 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 161B - Reactor Water Clean-up
5. (a) Applicable Construction See Page 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
21) STEM & DISC ASSY	YARWAY	N/A	N/A	144F0017A	1983	REPLACED	NO
22) STEM & DISC ASSY	YARWAY	FROM B1245	N/A	144F0017A	1980	REPLACEMENT	NO
23) BACKSEAT BUSHING	YARWAY	N/A	N/A	144F0017A	1983	REPLACED	NO
24) BACKSEAT BUSHING	YARWAY	FROM B1245	N/A	144F0017A	1980	REPLACEMENT	NO
25) BACKSEAT BUSHING	YARWAY	N/A	N/A	144F0017B	1983	REPLACED	NO
26) BACKSEAT BUSHING	YARWAY	FROM 7863	N/A	144F0017B	1977	REPLACEMENT	NO
27) STEM & DISC ASSY	YARWAY	N/A	N/A	144F018B	1983	REPLACED	NO
28) STEM & DISC ASSY	YARWAY	FROM 7863	N/A	144F018B	1977	REPLACEMENT	NO



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

1. Owner Pennsylvania Power & Light Co. Date 07/07/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Page 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 161B - Reactor Water Clean-up
5. (a) Applicable Construction See Page 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
29) BACKSEAT BUSHING	YARWAY	N/A	N/A	144F018B	1983	REPLACED	NO
30) BACKSEAT BUSHING	YARWAY	FROM 7688	N/A	144F018B	1977	REPLACEMENT	NO
31) STEM & DISC ASSY	YARWAY	N/A	N/A	144F019B	1983	REPLACED	NO
32) STEM & DISC ASSY	YARWAY	FROM B1248	N/A	144F019B	1980	REPLACEMENT	NO
33) BACKSEAT BUSHING	YARWAY	N/A	N/A	144F019B	1983	REPLACED	NO
34) BACKSEAT BUSHING	YARWAY	5293-B2	N/A	144F019B	1991	REPLACEMENT	YES

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/07/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 6 of 8

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

 PO Box 467, Berwick, PA 18603
Address

 See Page 6 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 161B - Reactor Water Clean-up

5. (a) Applicable Construction See Page 7 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1 THRU 4	S53154	95-161-001
5 THRU 12	S53634	95-161-002
13 THRU 26	S53634	95-161-003
27 THRU 34	S53634	95-161-004

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/07/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 7 of 8

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

See Page 6 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 161B - Reactor Water Clean-up

5. (a) Applicable Construction See Page 7 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 3	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1973 ADDENDA
2, 4	ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA
5,7,9,11,13,15,17,19,21,23, 25,27,29,31,33	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1973 ADDENDA
6,8,10,12,14,16,18,20,22, 24,26,28,30,32,34	ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/07/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 8 of 8

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

 PO Box 467, Berwick, PA 18603
Address

See Page 6 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 161B - Reactor Water Clean-up

5. (a) Applicable Construction See Page 7 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 4	VALVES REPLACED DUE TO LEAKAGE OF WATER AND STEAM TO LRW FLOOR DRAIN
Item (s)	Description of Tests
1 THRU 35	NON VT-2 PER FORM 480

As Required by the Provisions of the ASME Code Rules

P. O. # 46556

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA. 19422 Order No. 60531
(Name & Address of Manufacturer)
2. Manufactured for BECHTEL POWER CORPORATION Order No. 9645-M-251.0
(Name and Address)
3. Owner MISSISSIPPI POWER AND LIGHT COMPANY
4. Location of Plant PORT GIBSON, MISSISSIPPI
5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 1"
SERIAL NUMBER(S) B0671 THRU B0695
(Brief description of service for which equipment was designed)

- (a) Drawing No. 103271-05 Prepared by YARWAY CORPORATION
- (b) National Board No. _____
6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (1)
(Pressure) (Temperature)
7. The material, design, construction, and workmanship complies with ASME Code Section III Class 1
Edition 1974, Addenda Date WINTER 1974, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
15300	(a) Castings C8	AMS 5385	NOVA/HOWMET CORPORATION	DISC
	C10	AMS 5385	NOVA/HOWMET CORPORATION	DISC
	(b) Forgings B5	SA105	CAPE ANN TOOL COMPANY	BODY
	Y8	SA105	CAPE ANN TOOL COMPANY	BODY
	1764	SA182 Gr. F6a	CYCLOPS CORP.	BACKSEAT BUSHING

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

3/75 This form (E00037, may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	NONE			
(d) Other Parts	NONE			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS W. HABERMAS (1) Prof. Eng. State MISS Reg. No. 6064
 Stress analysis report certified by HAROLD T. GREGG (1) Prof. Eng. State PA Reg. No. 9053E
 (1) Signature not required. List name only.

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

Date 12/26 19 79 Signed YARWAY CORPORATION By W. A. VOLGER
(Manufacturer)

Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS of MUTUAL INSURANCE CO. OF PHILADELPHIA, PA * have inspected the equipment described in this Data Report on _____ 19_____, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 12/26/79 19____

D. Doublong (Inspector) Commissions NB 7525 PA 2159
(National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

91-0783
 37 78

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA. 19422 Order No. 60531
(Name & Address of Manufacturer)

2. Manufactured for BECHTEL POWER CORPORATION Order No. 9645-M-251,0
(Name and Address)

3. Owner MISSISSIPPI POWER AND LIGHT COMPANY

4. Location of Plant PORT GIBSON, MISSISSIPPI

5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 1"

SERIAL NUMBER(S) B0521 THRU B0545

(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-05 Prepared by YARWAY CORPORATION

(b) National Board No. _____

6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (1)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III Class 1

Edition 1974, Addenda Date WINTER 1974, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	C8	AMS 5385	NOVA/HOWMET CORPORATION	DISC
	C10	AMS 5385	NOVA/HOWMET CORPORATION	DISC
(b) Forgings	B5	SA105	CAPE ANN TOOL COMPANY	BODY
	Y8	SA105	CAPE ANN TOOL COMPANY	BODY
	1764	SA182 Gr.F6a	CYCLOPS CORP.	BACKSEAT BUSHING

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in Items 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

91-0783
 24 78

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	NONE			
(d) Other Parts	NONE			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

7
 Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design, specifications certified by THOMAS W. HABERMAS (1) Prof. Eng. State MISS. Reg. No. 6064
 Stress analysis report certified by HAROLD T. GEEGG (1) Prof. Eng. State PA. Reg. No. 9053
 Signature not required. List name only.

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

Date 12/26 1979 Signed YARWAY CORPORATION By W. A. Volger
(Manufacturer) W. A. VOLGER

Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SIOP INSPECTION

0
 0
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS of MUTUAL INSURANCE CO. OF PHILADELPHIA, PA * have inspected the equipment described in this Data Report on _____ 19_____, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12/26 19 79

D. Daubney Commissions NB 7525 PA 2137
(Inspector) (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

91-0783
 RECORDS SECTION
 DEC 25 1978

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Yarway Corporation, Blue Bell, PA Order No. 40751
(Name & Address of Manufacturer)

2. Manufactured for Bechtel Power Corporation Order No. 9645-M-251.0
(Name and Address)

3. Owner Mississippi Power and Light Company

4. Location of Plant Port Gibson, Mississippi

5. Pump or Valve Identification Nuclear Service Valves - Serial Numbers
3461 Thru. 3495 Inclusive
(Brief description of service for which equipment was designed)

D. Pauling 11/22/78

(a) Drawing No. 103271-04 Prepared by Yarway Corporation

(b) National Board No. None

6. Design Conditions 2350 psi 700 °F or Pressure Class 1500 PSI (1)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

Edition 1974 Addenda Date Winter 1974 Code No. None

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	A5	AHS 5382	Ilova/Hornet	Disc
(b) Forgings	N1	SA 105	Cape Ann Tool Co	Body
	YW 684	SA 193 B7	Republic Steel	Backseat Bushin

No. 91-0135
 RECORD PACKAGE
 PAGE 23 OF 47

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.



Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) <u>Bolting None</u>			
(d) <u>Other Parts None</u>			

2. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Power Corporation, Gaithersburg, Maryland
 Stress analysis report on file at Bechtel Power Corp., Gaithersburg, Maryland
 Design specifications certified by Thomas W. Habermas (1) Prof. Eng. State MISS Reg. No. 6064
 Stress analysis report certified by Harold I. Gregg (1) Prof. Eng. State Pa. Reg. No. 0053E
 (1) Signature not required. List name only.

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

Date August 23, 1976 Signed Yarway Corporation By [Signature]
 (Manufacturer)

Certificate of Authorization No. N-899 expires October 28, 1977 W. A. Yolger

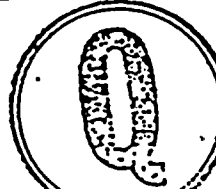
CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Pennsylvania and employed by Phila. Manufacturers Mutual Insurance Co., Phila. PA have inspected the equipment described in this Data Report on August 23, 1976 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date August 23, 1976

[Signature]
 (Inspector)
David L. Daulbary Commissions

Stamp: 
 No. 91-0135
 RECORD PACKAGE
 PAGE 24 OF 27
 NB 7525 PA 2159 C.A.H.
 (National Board, State, Province and No.)
[Signature] 11/22/76

*Part of the Factory Mutual System.

**Corrected copy Mfg. Rep. [Signature] 11/17/78 ANT. [Signature] 11/3/78

1. Manufactured by YAEKAY CORPORATION Order No. 2449-M-251.0
2. Manufactured for BECHTEL POWER CORPORATION
3. Owner MISSISSIPPI POWER AND LIGHT COMPANY
4. Location of Plant PORT GIBSON, MISSISSIPPI
5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 1"
SERIAL NUMBER(S) A8519 THRU A8543

(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-04 Prepared by YAEKAY CORPORATION
(b) National Board No. ---
6. Design Conditions --- psi of or Pressure Class 1500 PSI
(Pressure) (Temperature) (C)
7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1
Edition 1974, Addenda Date WINTER 1974, Care No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	C8	AMS 5385	NWA/HERMET CORP.	DISC
(b) Forgings	Y8	SA105	CAPE ANN TOOL CO.	BODY
	1683	SA182 Gr. F6.8	CYCLOPS CORP.	BACKSEAT BUSHING

No. of
RECORD
PAGE 2 OF 2

*For manually operated valves only.
Elemental sheets in form of Meta. sheets or drawings may be used provided (1) size is 4 1/4" x 11", (2) information in Items 1, 2, 3a and 3b of this data report is indicated on each sheet and (3) each sheet is numbered and number of sheets is provided at top of this form.
This form is provided for use in connection with the Order Form, ASME, 215 E. 47th St., New York, N.Y. 10017.

9 1 1 8 2 8 9

101010

(c) <u>1st</u>	<u>NONE</u>		
(d) Other Parts	<u>NONE</u>		

2. Hydrostatic test 5400 psi

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS K. HABERMAS (I) Prof. Eng. State MTSS Reg. No. 6064
 Stress analysis report certified by HAROLD T. GEEGG (I) Prof. Eng. State PA Reg. No. 9055
 (I) Signature not required. List name only.

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

Date 8/2/79 1979 Signed YARKAY CORPORATION (Manufacturer) By H. A. VOYGER
 Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO. OF PHILADELPHIA, PA * have inspected the equipment described in this Data Report on 8/2 1979, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 8/2 1979

Wendell S. Edwards (Inspector) Commission NB 1344 (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

No. 91-0134
 RECORD PACKAGE
 PAGE 3 OF 3

9 1 1 2 3 2 1 1 2 8 5

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

As Required by the Provisions of the ASME Code Rules

P. O. # 46556

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA. 19422 Order No. 60531
(Name & Address of Manufacturer)
2. Manufactured for BECHTEL POWER CORPORATION Order No. 9645-M-251.0
(Name and Address)
3. Owner MISSISSIPPI POWER AND LIGHT COMPANY
4. Location of Plant PORT GIBSON, MISSISSIPPI
5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 1"
SERIAL NUMBER(S) B0596 THRU B0620
(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-05 Prepared by YARWAY CORPORATION

(b) National Board No. _____

6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (1)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III. Class 1

Edition 1974, Addenda Date WINTER 1974, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
0035	(a) Castings C8	AMS 5385	NOVA/HOWMET CORPORATION	DISC
	C10	AMS 5385	NOVA/HOWMET CORPORATION	DISC
0035	(b) Forgings B5	SA105	CAPE ANN TOOL COMPANY	BODY
	Y8	SA105	CAPE ANN TOOL COMPANY	BODY
	1764	SA182 Gr. F6a	CYCLOPS CORP.	BACKSEAT BUSHING

91-0785
30 78

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	NONE			
(d) Other Parts	NONE			

B. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS W. HABERMAS (1) Prof. Eng. State MTSS Reg. No. 6064
 Stress analysis report certified by HAROLD T. GREGG (1) Prof. Eng. State PA Reg. No. 905
 (1) Signature not required. List name only.

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

Date 12/26 19 79 Signed YARWAY CORPORATION By W. A. VOLGER
(Manufacturer)

Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO. OF PHILADELPHIA, PA have inspected the equipment described in this Data Report on 12/26 19 79, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 12/26 19 79

D. Daubney
(Inspector) Commissions NB 7325 PA 2139
(National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

91-0793
 31-78

1. a) Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-B1 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2

Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/25 19 91 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder)

Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by John R. Schmiedel Penna. Reg. No. 19370E
Richard O. Schlueter Prof. Eng. State Penna. Reg. No. 26382E
and Sidney Arthur Copland Penna. Reg. No. 19877E

Stress analysis report certified by George J. Loos Prof. Eng. State N.J. Reg. No. 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on 10/28 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual System

Date 10/28 19 91

M. S. Hewitt Commissions PA 2056 N18513
Inspector's Signature National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

FORM NO. 1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES

As Required by the Provisions of the ASME Code Rules

P. O. # 46561

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA. 19422 Order No. 60531
(Name & Address of Manufacturer)

2. Manufactured for BECHTEL POWER CORPORATION Order No. 9645-M-251.0
(Name and Address)

3. Owner MISSISSIPPI POWER AND LIGHT COMPANY

4. Location of Plant PORT GIBSON, MISSISSIPPI

5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 1"

SERIAL NUMBER(S) B1245 THRU B1251

(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-04 Prepared by YARWAY CORPORATION

(b) National Board No. _____

6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (1)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III Class 1

Edition 1974, Addenda Date WINTER 1974, Case No. NONE

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings C8	AMS 5385	NOVA/HOWMET CORPORATION	DISC
(b) Forgings Y8	SA105	CAPE ANN TOOL COMPANY	BODY
1764	SA182 Gr. E6a	CYCLOPS CORP.	BACKSEAT BUSHING

(1) For manually operated valves only.

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

No. 21-011
 RECORD PACKAGE
 PAGE 2 OF 27

FORM NPV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Baking: NONE			
(d) Other Parts NONE			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS W. HABERMAS (1) Prof. Eng. State MISS Reg. No. 6D64
 Stress analysis report certified by HAROLD T. GREGG (1) Prof. Eng. State PA Reg. No. 9053B
 (1) Signature not required. List name only.

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

Date JANUARY 21 19 80 Signed YARWAY CORPORATION By W. A. VOLGER
(Manufacturer)

Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS of MUTUAL INSURANCE CO. OF PHILADELPHIA, PA * have inspected the equipment described in this Data Report on JANUARY 21 19 80, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date JANUARY 21 19 80

N. S. HENITT
(Inspector)
N. S. HENITT

Commissions NB 6344 PA 2056
(National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

No. 91-0111
 RECORD PACKAGE
 PAGE 2070

9118321522

An Required by the Provisions of the ASME Code Rules

1. Manufactured by Yarway Corporation, Blue Bell, PA Order No. 40761
(Name & Address of Manufacturer)
2. Manufactured for Bechtel Power Corporation Order No. 9645-M-251.0
(Name and Address)
3. Owner Mississippi Power and Light Company
4. Location of Plant Port Gibson, Mississippi
5. Pump or Valve Identification Nuclear Service Valves - Serial Numbers
7684 Thru 7688
(Brief description of service for which equipment was designed)

- (a) Drawing No. 103271-04 Prepared by Yarway Corporation
- (b) National Board No. None
6. Design Conditions 2350 (Pressure) psi 700 (Temperature) °F or Pressure Class _____ (1)
7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1
Edition 1974, Addenda Date Winter 1974, Case No. None

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	A7	AMS 5382	Nova/Howmet	Disc
(b) Forgings	NS	SA 105	Cape Ann Tool Co	Body
	YW 684	SA 193 Gr.B7	Republic Steel	Backseat Sushio

(1) For manually operated valves only.

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

3/75

TMS form (E00037, may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

NO. 91-0137
 RECORD PACKAGE
 PAGE 26 OF 25

FOUR PV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting None			
(d) Other Parts None			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Power Corporation, Gaithersburg, Maryland
 Stress analysis report on file at Bechtel Power Corp., Gaithersburg, Maryland
 Design specifications certified by Thomas W. Habermas (I) Prof. Eng. State SS Reg. No. 6054
 Stress analysis report certified by Harold L. Gregg (I) Prof. Eng. State Pa. Reg. No. 0553E
 (I) Signature not required. List name only.

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

Date February 11 19 77 Signed Yarway Corporation By J. A. Volger
(Manufacturer)

Certificate of Authorization No. N-899 expires October 28, 1977 W. A. Vofser

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Pennsylvania and employed by Phila. Manufacturers Mutual Insurance Co., Phila. PA have inspected the equipment described in this Data Report on February 11 19 77, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 11 19 77

Scott Hewitt
(Inspector)
Scott Hewitt

Commissions NB 6344 PA 2056
(National Board, State, Province)

REC'D
PAGE 21 OF 25

*Part of the Factory Mutual System

**Corrected copy - Mfg. Rep W. A. Volger 11/1/78 ANI. 27 11/1/78

9 1 1 8 3 2 1 1 3 9 7

FORM 1. MANUFACTURING DATA REPORT FOR NUCLEAR PUMPS OR VALVES

As Directed by the Provisions of the ASME Code Rules

1. Manufactured by Yarway Corporation, Blue Bell, PA Order No. 60511
(Name & Address of Manufacturer)

2. Manufactured for Bechtel Power Corporation Order No. 9645-M-251.0
(Name and Address)

3. Owner Mississippi Power and Light Company

4. Location of Plant Port Gibson, Mississippi

5. Pump or Valve Identification Nuclear Service Valves - Serial Numbers
7860 Thru 7866
(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-04 Prepared by Yarway Corporation

(b) National Board No. NONE

6. Design Conditions 2350 psi 700 °F or Pressure Class _____ (1)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1
 Edition 1974, Addenda Date Winter 1974, Case No. None

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	A8	AMS 5362	Nova/Howmet	Disc
(b) Forgings	R6	SA 105	Cape Ann Tool Co	Body
	YW 684	SA 193-87	Republic Steel	Backseat Gushing

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also is 8 1/2" x 11", (2) information in items 1, 2, and 3b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

RECORDED
 PAGE 1 OF 26

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D.O. 15

**S/N 7860 thru 7866

13

MANUFACTURER (Check)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Hulling Nong			
(d) Other Parts Nong			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Power Corporation, Gaithersburg, Maryland
 Stress analysis report on file at Bechtel Power Corp., Gaithersburg, Maryland
 Design specifications certified by Thomas W. Habermas (1) Prof. Eng. State MISS Reg. No. 6033
 Stress analysis report certified by Harold L. Gregg (1) Prof. Eng. State Pa. Reg. No. 6033
 (1) Signature not required. List name only.

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

Date March 18, 19 77 Signed Yarway Corporation by [Signature]
(Manufacturer)
W. A. Vigler
 Certificate of Authorization No. N-899 expires October 28, 1977

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Pennsylvania and employed by Phila. Manufacturers Mutual Insurance Co. Phila. PA have inspected the equipment described in this Data Report on March 18, 19 77 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. I 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 March 18 19 77

[Signature] Commissions NO 7525 PA 2159
(Inspector) (National Board, State, Province and No.)
 David L. Gaullary

No. 91713
 RECORD PAGE
 PAGE 18 OF 19

*Part of the Factory Mutual System
 **Corrected copy - Mfg. Rep. [Signature] 4/1/78 ANT. with 8/13/78

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

1. Owner Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Date 07/19/95
 Sheet 1 of 30

2. Plant Susquehanna Steam Electric Station
Name
PO Box 467, Berwick, PA 18603
Address

Unit 1
See Sheets 24 thru 27 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None
 Authorization N/A
 Expiration Date N/A

4. Identification of System 162A - Reactor Vessel and Aux.

5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8505	N/A	CRD 54-19	1978	REPLACED	YES
2) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9223	N/A	CRD 54-19	1978	REPLACEMENT	YES
3) 8 CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 54-19	1978	REPLACED	NO
4) 8 CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 54-19	1992	REPLACEMENT	NO

7. Description of Work See Page 30

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See page 30
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/20/95 to 5/1/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA WC 84619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9534	N/A	CRD 50-19	1978	REPLACED	YES
6) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8170	N/A	CRD 50-19	1978	REPLACEMENT	YES
7) 8 CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 50-19	1978	REPLACED	NO
8) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 50-19	1992	REPLACEMENT	NO
9) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7531	N/A	CRD 50-47	1978	REPLACED	YES
10) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 5385	N/A	CRD 50-47	1981	REPLACEMENT	YES
11) 8 CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 50-47	1978	REPLACED	NO
12) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 50-47	1992	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
13) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N A8834	N/A	CRD 50-47	1978	REPLACED	YES
14) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9215	N/A	CRD 50-47	1978	REPLACEMENT	YES
15) 8 CRD FLANGE BOLTS	GE MPL 137C9293P001	HT# 61811	N/A	CRD 50-47	1992	REPLACED	NO
16) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 50-47	1992	REPLACEMENT	NO
17) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7531	N/A	CRD 50-47	1978	REPLACED	YES
18) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 5385	N/A	CRD 50-47	1981	REPLACEMENT	YES
19) 8 CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 50-47	1978	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
20) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 50-47	1992	REPLACEMENT	NO
21) CONTROL ROD DRIVE	GE	S/N 7606	N/A	CRD 46-07	1978	REPLACED	YES
22) CONTROL ROD DRIVE	GE	S/N 9230	N/A	CRD 46-07	1978	REPLACEMENT	YES
23) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 46-07	1978	REPLACED	NO
24) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 46-07	1992	REPLACEMENT	NO
25) CONTROL ROD DRIVE	GE	S/N 8302	N/A	CRD 42-11	1978	REPLACED	YES
26) CONTROL ROD DRIVE	GE	S/N A5621	N/A	CRD 42-11	1981	REPLACEMENT	YES
27) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 42-11	1978	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 6 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
36) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 38-15	1992	REPLACEMENT	NO
37) CONTROL ROD DRIVE	GE	S/N 8336	N/A	CRD 34-59	1978	REPLACED	YES
38) CONTROL ROD DRIVE	GE	S/N 8273	N/A	CRD 34-59	1978	REPLACEMENT	YES
39) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 34-59	1978	REPLACED	NO
40) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 34-59	1992	REPLACEMENT	NO
41) CONTROL ROD DRIVE	GE	S/N 9373	N/A	CRD 30-43	1978	REPLACED	YES
42) CONTROL ROD DRIVE	GE	S/N 8864	N/A	CRD 30-43	1978	REPLACEMENT	YES
43) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 30-43	1978	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 7 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru, 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
44) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 30-43	1992	REPLACEMENT	NO
45) CONTROL ROD DRIVE	GE	S/N 8318	N/A	CRD 30-03	1978	REPLACED	YES
46) CONTROL ROD DRIVE	GE	S/N 9325	N/A	CRD 30-03	1978	REPLACEMENT	YES
47) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 30-03	1978	REPLACED	NO
48) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCT	HT# 99896	N/A	CRD 30-03	1992	REPLACEMENT	NO
49) CONTROL ROD DRIVE	GE	S/N 9209	N/A	CRD 26-27	1978	REPLACED	YES
50) CONTROL ROD DRIVE	GE	S/N 9492	N/A	CRD 26-27	1978	REPLACEMENT	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 8 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
- PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
- Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
51) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 26-27	1978	REPLACED	NO
52) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 26-27	1992	REPLACEMENT	NO
53) CONTROL ROD DRIVE	GE	S/N 7770	N/A	CRD 18-59	1978	REPLACED	YES
54) CONTROL ROD DRIVE	GE	S/N A4342	N/A	CRD 18-59	1981	REPLACEMENT	YES
55) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 18-59	1978	REPLACED	NO
56) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 18-59	1992	REPLACEMENT	NO
57) CONTROL ROD DRIVE	GE	S/N A4322	N/A	CRD 18-43	1981	REPLACED	YES

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As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/19/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 9 of 30

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

 PO Box 467, Berwick, PA 18603
Address

 See Sheets 24 thru. 27 For Work Documents
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 162A - Reactor Vessel and Aux.

5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
58) CONTROL ROD DRIVE	GE	S/N 7862	N/A	CRD 18-43	1978	REPLACEMENT	YES
59) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 18-43	1978	REPLACED	NO
60) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 18-83	1992	REPLACEMENT	NO
61) CONTROL ROD DRIVE	GE	S/N 7794	N/A	CRD 14-35	1978	REPLACED	YES
62) CONTROL ROD DRIVE	GE	S/N 8332	N/A	CRD 14-35	1978	REPLACEMENT	YES
63) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 14-35	1978	REPLACED	NO
64) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 14-35	1992	REPLACEMENT	NO



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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 10 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
65) CONTROL ROD DRIVE	GE	S/N 7723	N/A	CRD 14-31	1978	REPLACED	YES
66) CONTROL ROD DRIVE	GE	S/N 7548	N/A	CRD 14-31	1978	REPLACEMENT	YES
67) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 14-31	1978	REPLACED	NO
68) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 14-31	1992	REPLACEMENT	NO
68A) CRD FLANGE BOLTS	NOVA	HT# 52613	N/A	CRD 14-31	1994	REPLACEMENT	NO
69) CONTROL ROD DRIVE	GE	S/N 8216	N/A	CRD 14-27	1978	REPLACED	YES
70) CONTROL ROD DRIVE	GE	S/N 7764	N/A	CRD 14-27	1978	REPLACEMENT	YES

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As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 11 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
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Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
71) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 14-27	1978	REPLACED	NO
72) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 14-27	1992	REPLACEMENT	NO
73) CONTROL ROD DRIVE	GE	S/N A4225	N/A	CRD 10-31	1981	REPLACED	YES
74) CONTROL ROD DRIVE	GE	S/N 9254	N/A	CRD 10-31	1978	REPLACEMENT	YES
75) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 10-31	1978	REPLACED	NO
76) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 10-31	1992	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 12 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
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 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
77) CONTROL ROD DRIVE	GE	S/N 9363	N/A	CRD 10-43	1978	REPLACED	YES
78) CONTROL ROD DRIVE	GE	S/N 7805	N/A	CRD 10-43	1978	REPLACEMENT	YES
79) CRD FLANGE BOLTS	GE MPL 117C4515P002	N/A	N/A	CRD 10-43	1978	REPLACED	NO
80) CRD FLANGE BOLTS	VITCO NUCLEAR PRODUCTS	HT# 99896	N/A	CRD 10-43	1992	REPLACEMENT	NO
81) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0082	N/A	PSV141F013N	1982	REPLACED	YES
82) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0092	N/A	PSV141F013N	1981	REPLACEMENT	YES
83) INLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013N	1980	REPLACED	NO
84) INLET FLANGE NUTS	VITCO NUCLEAR PRODUCTS	HT# ABJ-1	N/A	PSV141F013N	1989	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 13 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
85) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0095	N/A	PSV141F013K	1981	REPLACED	YES
86) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0081	N/A	PSV141F013K	1982	REPLACEMENT	YES
87) INLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013K	1980	REPLACED	NO
88) INLET FLANGE NUTS	VITCO NUCLEAR PRODUCTS	3) ABJ-1 2) WA2-1	N/A	PSV141F013K	1989	REPLACEMENT	NO
89) INLET FLANGE NUTS	CARDINAL	HT# KB4290	N/A	PSV141F013K	1989	REPLACEMENT	NO
90) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0026	N/A	PSV141F013B	1980	REPLACED	YES
91) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0022	N/A	PSV141F013B	1980	REPLACEMENT	YES

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As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 14 of 30
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 162A - Reactor Vessel and Aux.

5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
92) OUTLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013B	1980	REPLACED	NO
93) OUTLET FLANGE NUTS	TEXAS BOLT	HT# 31707	N/A	PSV141F013B	1989	REPLACEMENT	NO
94) OUTLET FLANGE STUD	CROSBY	N/A	N/A	PSV141F013B	1980	REPLACED	NO
95) OUTLET FLANGE STUD	CARDINAL	HT# 43149	N/A	PSV141F013B	1984	REPLACEMENT	NO
96) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0025	N/A	PSV141F013F	1980	REPLACED	YES
97) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0131	N/A	PSV141F013F	1982	REPLACEMENT	YES
98) INLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013F	1982	REPLACED	NO



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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 15 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
99) INLET FLANGE NUTS	VITCO NUCLEAR PRODUCTS	HT# ABJ-1	N/A	PSV141F013F	1989	REPLACEMENT	NO
100) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0024	N/A	PSV141F013D	1980	REPLACED	YES
101) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0083	N/A	PSV141F013D	1981	REPLACEMENT	YES
102) INLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013D	1980	REPLACED	NO
103) INLET FLANGE NUTS	VITCO NUCLEAR PRODUCTS	HT# ABJ-1	N/A	PSV141F013D	1989	REPLACEMENT	NO
104) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0088	N/A	PSV141F013L	1981	REPLACED	YES
105) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0019	N/A	PSV141F013L	1980	REPLACEMENT	YES
106) INLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013L	1980	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 16 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
107) INLET FLANGE NUTS	VITCO NUCLEAR PRODUCTS	HT# WA2-1	N/A	PSV141F013L	1989	REPLACEMENT	NO
108) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0031	N/A	PSV141F013H	1980	REPLACED	YES
109) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0021	N/A	PSV141F013H	1980	REPLACEMENT	YES
110) INLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013H	1980	REPLACED	NO
111) INLET FLANGE NUTS	VITCO NUCLEAR PRODUCTS	ABJ-1	N/A	PSV141F013H	2-1989 1-1991	REPLACEMENT	NO
112) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0033	N/A	PSV141F013R	1980	REPLACED	YES
113) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0087	N/A	PSV141F013R	1981	REPLACEMENT	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 17 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
114) INLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013R	1980	REPLACED	NO
115) INLET FLANGE NUTS	VITCO NUCLEAR PRODUCTS	HT# WA2-1	N/A	PSV141F013R	1989	REPLACEMENT	NO
116) INLET FLANGE NUTS	VITCO NUCLEAR PRODUCTS	HT# M27431	N/A	PSV141F013R	1991	REPLACEMENT	NO
117) INLET FLANGE NUTS	CARDINAL	HT# KB4290	N/A	PSV141F013R	1989	REPLACEMENT	NO
118) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0030	N/A	PSV141F013A	1980	REPLACED	YES
119) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0024	N/A	PSV141F013A	1980	REPLACEMENT	YES



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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 18 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
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Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
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6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
120) INLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013A	1980	REPLACED	NO
121) INLET FLANGE NUTS	ALLIED NUT AND BOLT	HT# M50526	N/A	PSV141F013A	1995	REPLACEMENT	NO
122) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0084	N/A	PSV141F013C	1981	REPLACED	YES
123) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0088	N/A	PSV141F013C	1981	REPLACEMENT	YES
124) INLET FLANGE NUT	CROSBY	N/A	N/A	PSV141F013C	1980	REPLACED	NO
125) INLET FLANGE NUTS	ALLIED NUT AND BOLT	HT# M50526	N/A	PSV141F013C	1995	REPLACEMENT	NO
126) OUTLET FLANGE BOLT	CROSBY	N/A	N/A	PSV141F013C	1980	REPLACED	NO
127) OUTLET FLANGE BOLT	TEXAS BOLT	HT# 6030316	N/A	PSV141F013C	1989	REPLACEMENT	NO

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As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 19 of 30
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru, 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 162A - Reactor Vessel and Aux.

5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
128) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0113	N/A	PSV141F013E	1981	REPLACED	YES
129) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0082	N/A	PSV141F013E	1982	REPLACEMENT	YES
130) INLET FLANGE NUTS	CROSBY	N/A	N/A	PSV141F013E	1980	REPLACED	NO
131) INLET FLANGE NUTS	ALLIED NUT AND BOLT	HT# M50526	N/A	PSV141F013E	1995	REPLACEMENT	NO
132) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0096	N/A	PSV141F013G	1981	REPLACED	YES
133) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0025	N/A	PSV141F013G	1980	REPLACEMENT	YES
134) INLET FLANGE NUT	CROSBY	N/A	N/A	PSV141F013G	1980	REPLACED	NO
135) INLET FLANGE NUT	ALLIED NUT AND BOLT	HT# M50526	N/A	PSV141F013G	1995	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 20 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru, 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
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4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
136) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0028	N/A	PSV141F013J	1980	REPLACED	YES
137) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0033	N/A	PSV141F013J	1980	REPLACEMENT	YES
138) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0091	N/A	PSV141F013M	1981	REPLACED	YES
139) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0031	N/A	PSV141F013M	1980	REPLACEMENT	YES
140) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0089	N/A	PSV141F013P	1981	REPLACED	YES
141) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0026	N/A	PSV141F013P	1980	REPLACEMENT	YES
142) OUTLET FLANGE BOLTS	CROSBY	N/A	N/A	PSV141F013P	1980	REPLACED	NO
143) OUTLET FLANGE BOLTS	TEXAS BOLT	HT# 6030316	N/A	PSV141F013P	1989	REPLACEMENT	NO
144) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0090	N/A	PSV141F013S	1982	REPLACED	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 21 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
- PO Box 467, Berwick, PA 18603 See Sheets 24 thru, 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
145) MAIN STEAM RELIEF VALVE	CROSBY	N63790-00-0095	N/A	PSV141F013S	1980	REPLACEMENT	YES
146) STUD	CROSBY	N/A	N/A	N63790-00-0024	1980	REPLACED	NO
147) STUD	CROSBY	1-HT# 97668(C23)	N/A	N63790-00-0024	1986	REPLACEMENT	NO
148) STUDS	CROSBY	N/A	N/A	N63790-00-0025	1980	REPLACED	NO
149) STUDS	CROSBY	2-HT# 97668(C23)	N/A	N63790-00-0025	1986	REPLACEMENT	NO
150) STUDS	CROSBY	N/A	N/A	N63790-00-0031	1980	REPLACED	NO
151) STUDS	CROSBY	4-HT# 97688(C23)	N/A	N63790-00-0031	1- 1986 1- 1985	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 22 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
152) STUDS	CROSBY	N/A	N/A	N63790-00-0033	1980	REPLACED	NO
153) STUDS	CROSBY	3-HT# 97688(C23)	N/A	N63790-00-0033	1986	REPLACEMENT	NO
154) STUDS	CROSBY	N/A	N/A	N63790-00-0082	1982	REPLACED	NO
155) STUDS	CROSBY	HT# 97668(C23)	N/A	N63790-00-0082	1985	REPLACEMENT	NO
156) STUDS	PP&L	N/A	N/A	N63790-00-0082	1995	REPLACEMENT	NO
157) STUDS	CROSBY	N/A	N/A	N63790-00-0088	1981	REPLACED	NO
158) STUDS	CROSBY	HT# 97668(C23)	N/A	N63790-00-0088	1986	REPLACEMENT	NO
159) STUDS	CROSBY	N/A	N/A	N63790-00-0095	1981	REPLACED	NO
160) STUDS	CROSBY	HT# 97668(C23)	N/A	N63790-00-0095	1986	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name

 Two North Ninth St., Allentown, PA 18101 Sheet 24 of 30
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name

 PO Box 467, Berwick, PA 18603 See Sheets 24 thru, 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name

 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address

Expiration Date N/A

4. Identification of System 162A - Reactor Vessel and Aux.

5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1, 2, 3, 4	H40318	94-162-024
5, 6, 7, 8	H40315	94-162-025
9, 10, 11, 12	H40316	94-162-026
13, 14, 15, 16	H40317	94-162-027
17,18,19,20	H40314	94-162-028
21,22,23,24	H40313	94-162-029
25,26,27,28	H40312	94-162-030
29,30,31,32	H40311	94-162-031
33,34,35,36	H40310	94-162-032
37,38,39,40	H40309	94-162-033
41,42,43,44	H40308	94-162-034
45,46,47,48	H40307	94-162-035
49,50,51,52	H40306	94-162-036

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 25 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru, 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
53, 54, 55, 56	H40305	94-162-037
57, 58, 59, 60	H40304	94-162-038
61, 62, 63, 64	H40303	94-162-039
65, 66, 67, 68, 68A	H40302	94-162-040
69,70,71,72	H40301	94-162-041
73,74,75,76	H40299	94-162-042
77,78,79,80	H40300	94-162-043
81,82	H40192	94-162-020
83,84	H40192	95-162-006
85,86	H40189	94-162-017
87,88,89	H40189	95-162-004
90,91	H40181	94-162-009
92,93,94,95	H40181	95-162-012

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 26 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru, 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
96, 97	H40185	94-162-013
98, 99	H40185	95-162-002
100, 101	H40183	94-162-011
102, 103	H40183	95-162-001
104, 105	H40190	94-162-018
106, 107	H40190	95-162-005
108, 109	H40187	94-162-015
110, 111	H40187	95-162-003
112, 113	H40194	94-162-022
114, 115, 116, 117	H40194	95-162-007
118, 119	H40180	94-162-008
120, 121	H40180	95-162-010
122, 123	H40182	94-162-010

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 27 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
124, 125, 126, 127	H40182	95-162-009
128, 129	H40184	94-162-012
130, 131	H40184	95-162-011
132, 133	H40186	94-162-014
134,135	H40186	95-162-008
136,137	H40186	94-162-016
138,139	H40186	94-162-019
140,141	H40186	94-162-021
142,143	H40186	95-162-014
144,145	H40186	94-162-023
146 THRU 160	H40186	95-162-013
161 THRU 164	H40186	95-162-015
165,166	S43097	C94-162-009

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 28 of 30
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 162A - Reactor Vessel and Aux.

5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,10,13,21,26,30,54,57,73	ASME SEC III; CLASS 1; 1971 EDITION; WINTER 1972 ADDENDA; CODE CASE #1361
2,5,6,9,14,18,22,25,29,33, 34,37,38,41,42,45,46,49, 50,53, 58,61,62,65,66,69,70,74, 77, 78	ASME SEC III; CLASS 1; 1971 EDITION; NO ADDENDA; CODE CASE #1361
3,7,11,19,23,27,31,35,39, 43,47,51,55,59,63,67,71, 75,79,83,84,87,88,89,98, 99,102,103,106,107,110, 111,114,115,116,117,120, 121,124,125,126,131,132, 134,135, 142,146 THRU 155, 157,158,159	ASME SEC III; CLASS 1; 1971 EDITION; NO ADDENDA
4,8,12,15,16,20,24,28,32, 36,40,44,48,52,56,60,64, 68,72, 76,80,156,157	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA
17	ASME SEC III; CLASS 1, 1971 EDITION, NO ADDENDA; CODE CASE #1361-1



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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 29 of 30
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheets 24 thru 27 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 162A - Reactor Vessel and Aux.
5. (a) Applicable Construction See Pages 28 & 29 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
81,82,85,86,90,91,96,97, 100,101,104,105,108, 109,112,113,118,119, 122,123,128,129,132, 133,136,137,138,139, 140,141,144,145	ASME SEC III; 1971 EDITION, NO ADDENDA; CODE CASE #'S 1567 & 1711
93	ASME SEC III; CLASS 1 1986 EDITION, 1987 ADDENDA
95	ASME SEC III; CLASS 1 1983 EDITION, WINTER 1983 ADDENDA
127,143	ASME SEC III; CLASS 1 1986 EDITION, 1988 ADDENDA
161,163	ASME SEC III; CLASS 1 1971 EDITION, WINTER 1972 ADDENDA
162	ASME SEC III; CLASS 1 1983 EDITION, SUMMER 1985 ADDENDA
164	ASME SEC III; CLASS 1 1989 EDITION, NO ADDENDA
160	ASME SEC III; CLASS 1 1971 EDITION, SUMMER 1971 ADDENDA
165,166	ASME SEC III; CLASS 1 1974 EDITION, WINTER 1974 ADDENDA

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

1. Owner <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Date <u> 07/19/95 </u> Sheet <u> 30 </u> of <u> 30 </u>
2. Plant <u> Susquehanna Steam Electric Station </u> <small style="margin-left: 100px;">Name</small> <u> PO Box 467, Berwick, PA 18603 </u> <small style="margin-left: 100px;">Address</small>	Unit <u> 1 </u> <u> See Sheets 24 thru 27 For Work Documents </u> <small style="margin-left: 100px;">Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol <u> None </u> Authorization <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> 162A - Reactor Vessel and Aux. </u>	
5. (a) Applicable Construction <u> See Pages 28 & 29 </u> 19 <u> </u> Edition, <u> </u> Addenda, <u> </u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u> '89 No Add. </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

Item (s)	Description of Work
1 THRU 80	REPLACE CRD DUE TO DEGRADED PERFORMANCE, AND REPLACE EIGHT HOUSING BOLTS.
81 THRU 145, 161 THRU 164	REMOVED MSRV'S FOR PERIODIC TESTING, REPLACED, AS NECESSARY, INLET OR OUTLET NUTS OR STUDS
146 THRU 160	REPLACED STUDS IN MSRV'S AT WYLE LABS
165,166	REPLACE STEM AND DISC DUE TO PACKING LEAKAGE DURING OPS HYDRO
Item (s)	Description of Tests
1 THRU 80, 165, 166	VT-2 DURING SE-100-002
3,4,7,8,11,12,15,16,19, 20,23,24,27,28,31,32,35, 36,39,40,43,44,47,48,51, 52,55,56,59,60,63,64, 67,68,68A,71,72,75,76, 79,80	VT-1 CAP SCREWS (PROCEDURE NVT-1)
81 THRU 164	VT-1 FOR INLET BOLTING (NVT-1), VT-2 PER SE-100-002 (INLET FLANGE)

C94-162-009

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

REGISTER 91172

SHOP ORDER 71707

(a) Manufactured by Yarway Corporation, Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna Steam Electric Station
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 90-1-2 E1 & E2 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 966238-04 Drawing Prepared by Yarway Corp

(b) Description of Part Inspected Stem Assembly 2" - 55158, 258, Qty 2

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: Disc-AMS 5385E, Heat Code: 90-1-2

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Signed Yarway Corp By F. W. Peszka
(NPT Certificate Holder)

Certificate of Authorization Expires Nov. 14, 1992 Certificate of Authorization No. N-2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Co.

Stress analysis report on file at Pennsylvania Power & Light Co.

Design specifications certified by John R. Schmiedel Prof. Eng. State Penna. Reg. No. 19370E
Richard O. Schlueter Prof. Eng. State Penna. Reg. No. 26382E
Sidney Arthur Copland Prof. Eng. State Penna. Reg. No. 19877E

Stress analysis report certified by George J. Loos Prof. Eng. State NJ Reg. No. 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA *

have inspected the part of a pressure vessel described in this Partial Data Report on MARCH 28, 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date MARCH 28, 1991

*Factory Mutual System

Inspector's Signature [Signature] Commissions P. 2006 National Board, State, Province and No.

*Elemental 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is provided in item 3, "Remarks".

95144
11719

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

1. Owner Pennsylvania Power & Light Co. Date 7/7/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 WA# S53358 522# 95-164-003
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 164A - Recirc.- Flow Control & Jet Pump Inst.
5. (a) Applicable Construction ASME SEC III 19 74 Edition, WINTER 1974 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) CHECK VALVE	MAROTTA	347	343	XV142F051C	1976	REPLACED	YES
2) CHECK VALVE	MAROTTA	375	1264	XV142F051C	1983	REPLACEMENT	YES

7. Description of Work Excess Flow Check Valve Failed Acceptance Criteria and was replaced
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NON VT-2 PER FORM 480
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 7/1/94 to 5/2/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7866 PAUC 24619 ANU
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

95-164-003

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Marotta Scientific Controls, Inc., Boonton Ave., Boonton, N.J.
(Name and Address of N Certificate Holder)
2. Manufactured for Pennsylvania Power & Light Company
(Name and Address of Purchaser or Owner)
3. Location of Installation Susquehanna Steam Electric Station, Salem Twp., Luzerne County PA.
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 1" pipe Outlet Size 1" pipe
(inch) (inch)

(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l Bd No	(g) Year Built
(1) FVL16FD	375	None	281314-9001	1	1264	1983
(2)			REV. M			
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. Excess flow check valve, Model FVL 16 FD, water service equipped with position switches and bypass solenoid.
(Brief description of service for which equipment was designed)
6. Design Conditions 1510 psi 600 °F or Valve Pressure Class _____ (1)
(Pressure) (Temperature)
7. Cold Working Pressure 2160 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
	N/A		
(b) Forgings			
	N/A		

(1) For manually operated valves only.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11". (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

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Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
	N/A		
(d) Other Parts			
188370-9001/A31867	SA182/F316	Cartech	Cap
188371-9001/A31859E	SA182/F316	Cartech	Body
187741-9001/A55657A	SA182/F316	Crucible	Poppet

9. Hydrostatic test 3250 psi. Disk Differential test pressure 2160 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974, Addenda W74, Code Case No. N/A, Date August 18, 1983.
 Signed Marotta Scientific Controls, Inc. Donald J. Dennis, Mgr. QA.
 (IN Certificate Holder)
 Our ASME Certificate of Authorization No. N-1369 to use the 'N' symbol expires 4/27/85.
 (IN) (Date)

CERTIFICATION OF DESIGN

Design information on file at Marotta Scientific Controls
 Stress analysis report (Class 1 only) on file at Marotta Scientific Controls
 Design specifications certified by (1) Lawrence S. Loomer
 PE State PA. Reg. No. 19875 E
 Stress analysis certified by (1) William Golden
 PE State N.J. Reg. No. 20899
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New Jersey and employed by Lumbermens Mutual of Long Grove, Ill. have inspected the pump, or valve, described in this Data Report on AUG. 18 1983, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date AUG 19 1983
[Signature] (Inspector) Commissions NB 7050, PA WC 2678
 (Nat'l Bd., State, Prov. and No.)

154
2
92
52

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

1. Owner Pennsylvania Power & Light Co. Date 7/7/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Page 3
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 164B - Recirc. Water Loops & Jet Pumps

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 'A' REACTOR RECIRC PUMP	BYRON JACKSON	711-S-0801	N/A	1P401A	1973	REPAIRED	YES
2) 'B' REACTOR RECIRC PUMP	BYRON JACKSON	711-S-0802	N/A	1P401B	1973	REPAIRED	YES
3) SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2162	1982	REPAIRED	NO

7. Description of Work See Page 5

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 5
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/18/95 to 4/23/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature]
Inspector's Signature

Commissions NE 7866 PAWC 24619 AN11
National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 7/7/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Page 3
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 164B - Recirc. Water Loops & Jet Pumps
5. (a) Applicable Construction See Page 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
4) 1" VALVE	BORG WARNER	14928	N/A	151095	1976	REPLACED	YES
5) 1" VALVE	YARWAY	C0722	N/A	151095	1990	REPLACEMENT	YES
6) 1" VALVE	BORG WARNER	14966	N/A	151096	1976	REPLACED	YES
7) 1" VALVE	YARWAY	C0680	N/A	151096	1990	REPLACEMENT	YES
8) 1" PIPE	BECHTEL	N/A	N/A	SP-DCA-126	1982	REPLACED	NO
9) 1" PIPE	SANDVIK	HT# SW660	N/A	SP-DCA-126	1992	REPLACEMENT	NO
10) PIPE CAP	BECHTEL	N/A	N/A	SP-DCA-126	1982	REPLACED	NO
11) PIPE CAP	ALLOY STAINLESS	HT# HHT	N/A	SP-DCA-126	1993	REPLACEMENT	NO
12) HANGER CLIP	BECHTEL	N/A	N/A	SP-DCA-126-H2007	1982	REPAIRED	NO

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 7/7/95

Sheet 4 of 5

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:

 See Page 3
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 164B - Recirc. Water Loops & Jet Pumps

5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 2	ASME SEC III; CLASS 1; 1971 EDITION; SUMMER 1971 ADDENDA
3, 8, 10, 12	ASME SEC III; CLASS 1; 1971 EDITION; WINTER 1972 ADDENDA
4, 6	ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA
5, 7, 9, 11	ASME SEC III; CLASS 1; 1986 EDITION; NO ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 7/7/95
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 5 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
- PO Box 467, Berwick, PA 18603 See Page 3
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
- Expiration Date N/A
4. Identification of System 164B - Recirc. Water Loops & Jet Pumps
5. (a) Applicable Construction See Page 4 19 Edition, Addenda, 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

Item (s)	Description of Work
1,2	INSTALL ACCELEROMETER MOUNTING BRACKETS FOR POWER UPRATE DCP 93-3088B
3	TRIMMED PORTION OF LIFTING LUG TO ALLOW OPENING OF DOOR X2G
4 THRU 12	151095 AND 151096 WERE REPLACED DUE TO LEAKAGE WITH YARWAY VALVES. PIPING AND PIPE CAP ALSO REPLACED.
Item (s)	Description of Tests
1, 2, 3	NONE
4 THRU 12	NON VT-2 PER FORM 480

SHOP ORDER 72341 REGISTER 89670
 FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Yarway Corporation, Blue Bell, PA 19422
(name and address of N Certificate Holder)
2. Manufactured for Penna. Power & Light Company, Allentown, PA 18101
(name and address of Purchaser or Owner)
3. Location of Installation Susquehanna SES, Berwick, PA 18603
(name and address)
4. Model No., Series No., or Type 5615B-F316L Drawing 109408 Rev. A CRN ---
5. ASME Code, Section III, Division 1: 1986 --- 1 ---
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 1 Outlet size 1
SA-182 (in.) (in.)
7. Material: Body Gr. F316L Bonnet Gr. F6a G1.2 Disk AMS5385E Bolting N/A
SA-564 Gr. 630 ^{CDL} 9-18-90 NSM (ANS) 9/1/85

9 1 0 3 2 2 2 1 4 3 3

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
C0577	---	BA	2906	NC
C0579		All valves listed on this report have the same		
C0597		heat code for each piece listed.		
C0599				
C0600				
C0609				
C0625				
C0637				
C0638				
C0644				
C0651				
C0654				
C0660				
C0691				
C0697				
C0713				
C0722				
C0726				
C0728				
C0730				
C0742				
C0748				
C0749				
C0752				
C0753				

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

No. 90-0905
 RECORD PACKAGE
 PAGE 40 OF 56

8. Remarks Nuclear Service Valves, Qty. 25

Bonnet (column d) is replaced by backseat bushing in this valve design.

9. Design conditions --- psf --- °F or valve pressure class 1500 (1)
(pressure) (temperature)

10. Cold working pressure 3000 psf at 100°F

11. Hydrostatic test 4500 psi. Disk differential test pressure 3300 psi

CERTIFICATION OF DESIGN

Design Specification certified by Matthew Hober Jr. P.E. State PA Reg. no. 20118E
Design Report certified by George J. Loos P.E. State NJ Reg. no. 23225

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. N-2449 Expires 11/14/92

Date 9-17-90 Name Yarway Corporation Signed C.D. Root
(N Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Ins. Co. of Norwood, MA* have inspected the pump, or valve, described in this Data Report on SEPTEMBER 17, 19 90, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9-17-90 Signed Mr. Hinkles Commissions Factory Mutual System
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

0103220143A

95-164-001

SHOP ORDER 72341 REGISTER 89670
FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

- 1. Manufactured and certified by Yarway Corporation, Blue Bell, PA 19422
(name and address of N Certificate Holder)
- 2. Manufactured for Penna. Power & Light Company, Allentown, PA 18101
(name and address of Purchaser or Owner)
- 3. Location of installation Susquehanna SES, Berwick, PA 18603
(name and address)
- 4. Model No., Series No., or Type 5615B-F316L Drawing 109408 Rev. A CRN ---
- 5. ASME Code, Section III, Division 1: 1986 --- 1 ---
(edition) (addenda date) (class) (Code Case no.)
- 6. Pump or valve Valve Nominal inlet size 1 Outlet size 1
SA-182 SA-182 (in.) (in.)
- 7. Material: Body Gr. F316L Bonnet Gr. F6a Cl. 2 Disk AMS5385E Bolting N/A
SA-564 Gr. 630 MS-445 9/18/90

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
C0561	---	BA	2906	NCR
C0563		All valves listed on this report have the same		
C0573		heat code for each piece listed.		
C0581				
C0587				
C0604				
C0646				
C0671				
C0680				
C0685				
C0715				
C0716				
C0723				
C0724				
C0734				
C0746				
C0763				
C0764				
C0781				
C0795				
C0808				
C0809				
C0811				
C0819				
C0820				

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

90-0905
41 46

FORM NPV-1 (back)

8. Remarks Nuclear Service Valves, Qty. 25

Bonnet (column d) is replaced by backseat bushing in this valve design.

9. Design conditions --- psi --- °F or valve pressure class 1500 (1)
(pressure) (temperature)

10. Cold working pressure 3000 psi at 100°F

11. Hydrostatic test 4500 psi. Disk differential test pressure 3300 psi

CERTIFICATION OF DESIGN

Design Specification certified by Matthew Hober Jr. P.E. State PA Reg. no. 20118E
Design Report certified by George J. Loos P.E. State NJ Reg. no. 23225

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. N-2449 Expires 11/14/92

Date 9-17-90 Name Yarway Corporation Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Ins. Co. of Norwood, MA* have inspected the pump, or valve, described in this Data Report on SEPTEMBER 17, 19 90, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9-17-90 Signed [Signature] Commissions Pa 2006
(Authorized Inspector) *Factory Mutual System
[Nat'l. Bd. (incl. endorsements) state or prov. and no.]

(1) For manually operated valves only.

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

1. Owner Pennsylvania Power & Light Co. Date 7/7/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 4
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheet 2 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 164D - Recirc. Seal Water Injection
5. (a) Applicable Construction See Page 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) CHECK VALVE	MAROTTA	141	578	XV143F003B	1976	REPLACED	YES
2) CHECK VALVE	MAROTTA	371	1260	XV143F003B	1982	REPLACEMENT	YES
3) SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCB-121-H2005	1982	REPAIRED	NO

7. Description of Work See Page 4
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 4
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks: MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 1/29/95 to 5/1/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 7/7/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 4
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheet 2 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 164D - Recirc. Seal Water Injection

5. (a) Applicable Construction See Page 3 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 2	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA
3	ASME SEC III; CLASS; 1971 EDITION; WINTER 1972 ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 7/7/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 4
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheet 2 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 164D - Recirc. Seal Water Injection
5. (a) Applicable Construction See Page 3 19 Edition, Addenda, 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

Item (s)	Description of Work
1, 2	EXCESS FLOW CHECK VALVE HAD INDICATION PROBLEMS AND WAS REPLACED
3	HANGER REMOVED TO FACILITATE XV143F003B REPLACEMENT, HANGER WAS REINSTALLED
Item (s)	Description of Tests
1,2	NON VT-2 PER FORM 480
3	NONE

FORM NPV-1 N CERTIFICATE HOLDERS DATA REPORT FOR NUCLEAR PUMPS OR VALVES
As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Marotta Scientific Controls, Inc., Boonton Ave., Boonton, N.J.
(Name and Address of N Certificate Holder)
2. Manufactured for Pennsylvania Power & Light Company
(Name and Address of Purchaser of Equipment)
3. Location of Installation Susquehanna Steam Electric Station, Salem Twp., Luzerne County, PA.
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 1" pipe Outlet Size 1" pipe
(inch) (inch)
(a) Model No., (b) N Certificate Holder's (c) Canadian (d) Drawing (f) Nat'l. (g) Year
Series No. Serial Registration. No. No. No. (e) Class Bd. No. Built
or Type No. No. No. No. No. No. No.

(1)	FVL16FD	367 THRU 374	None	281314-9001	1	1252thru1263	1982
(2)		376 THRU 379		REV. M			
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Excess flow check valve, Model FVL 16 FD, water service, equipped with position switches and bypass solenoid.
(Brief description of service to which equipment was designed)

6. Design Conditions 1510 psi 600 (Temperature) F or Valve Pressure Class
(Pressure) (Temperature) (ASME Code No. 1) (ASME Code No. 2)
7. Cold Working Pressure 2160 psi at 100°F
(ASME Code No. 1) (ASME Code No. 2)
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
	N/A		
(b) Forgings			
	N/A		

(1) For manually operated valves only.
Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11" (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

MAR 24 1982

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603
Address
 1,2 WA# S63402 622# 95-173-002
 3,4 WA# P42118 622# 95-173-003
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 173A - Primary Containment Atmosphere Control

5. (a) Applicable Construction See Page 2 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) NUT (1)	BECHTEL	N/A	N/A	SP-HCB-138	1982	REPLACED	NO
2) NUT (1)	NOVA	HT# 0-0708FF	N/A	SP-HCB-138	1991	REPLACEMENT	NO
3) NUTS (2)	BECHTEL	N/A	N/A	6" FLANGE BETWEEN HV16724 AND HV16726	1982	REPLACED	NO
4)NUTS (2)	TEXAS BOLT	HT# 57174	N/A	6" FLANGE BETWEEN HV16724 AND HV16726	1994	REPLACEMENT	NO

7. Description of Work Damaged Nut was found on Flange during SE-159-020 and was replaced

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 Date N/A

Signed [Signature] Date July 20 19 95
Owner or Owner's Designee Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/27/95 to 3/7/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 2866 PA WC 24610 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/19/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 1,2 WA# S53402 522# 95-173-002
Address 3,4 WA# P42118 522# 95-173-003
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 173A - Primary Containment Atmosphere Control

5. (a) Applicable Construction See Page 2 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 3	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA
2	ASME SEC III; CLASS 1 1989 EDITION NO ADDENDA
4	ASME SEC III; CLASS 1 1989 EDITION NO ADDENDA



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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 5
Address
 2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheet 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
 3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address
 Expiration Date N/A

4. Identification of System 173C - H2 and O2 Analyzer
 5. (a) Applicable Construction See page 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) MAIN DISC	TARGET ROCK	75KK-201-27	N/A	SV15744A	1977	REPLACED	NO
2) MAIN DISC	TARGET ROCK	986	N/A	SV15744A	1991	REPLACEMENT	YES
3) MAIN DISC	TARGET ROCK	75KK-201-44	N/A	SV15747B	1977	REPLACED	NO
4) MAIN DISC	TARGET ROCK	957	N/A	SV15747B	1991	REPLACEMENT	YES

7. Description of Work See Page 5
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure see page 5
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks

MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/3/95 to 4/9/95, 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. **FACTORY MUTUAL ENG. ASSOC.**

[Signature] Commissions NB 7866 PAWC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95



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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheet 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 173C - H2 and O2 Analyzer
5. (a) Applicable Construction See page 4 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,3,5	ASME SEC III; CLASS 2; 1974 EDITION; WINTER ADDENDA
6,7	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1975 ADDENDA
2,4,8	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
PO Box 467, Berwick, PA 18603 See Sheet 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 173C - H2 and O2 Analyzer
5. (a) Applicable Construction See page 4 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 8	PM E1950-01,02,03,04 REQUIRES REPLACEMENT OF DISKS IN ABOVE LISTED VALVES
Item (s)	Description of Tests
1 THRU 12	NON VT-2 PER FORM 480

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

1. Owner Pennsylvania Power & Light Co. Date 07/07/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheet 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 173C - H2 and O2 Analyzer

5. (a) Applicable Construction See page 4 19 Edition, Addenda, 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

Item (s)	Description of Work
1 THRU 8	PM E1950-01,02,03,04 REQUIRES REPLACEMENT OF DISKS IN ABOVE LISTED VALVES
Item (s)	Description of Tests
1 THRU 12	NON VT-2 PER FORM 480

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 1

1. Manufactured and certified by Target Rock Corp., 1966E Broadhollow Rd, E. Farmingdale, NY 11735

2. Manufactured for Pennsylvania Power & Light Co.; Berwick, PA 18603

3. Location of Installation Susquehanna SES; Berwick, PA 18603

4. Type 200391-1 SA-479 316 75,000 psi N/A 1991

5. ASME Code, Section III: 1974 Winter 1974 2 N/A

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks: Spare Parts for a completed valve assembly, Model Nos. 75KK-201, -202, -205, and -207. P/N 200391-1

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

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

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. in Numerical Order. Rows 1-13 contain serial numbers 906-1012 and N/A, all with N/A board numbers.

Table with 2 columns: Part or Appurtenance Serial Number, National Board Number in Numerical Order. Rows 14-25 are empty.

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure 160 psig at temp. °F (when applicable) AMB

*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.

FORM N-2 (back)

Mfr. Serial No. N/A

CERTIFICATION OF DESIGN

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 SHOP COMPLIANCE

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

NPT Certificate of Authorization No. 1948 Expires 12-12-92

Date 3/26/91 Name Target Rock Corporation Signed [Signature]
(NPT Certificate Holder) (Authorized representative)
E. Bajada, Q.A. Manager

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Commercial Union Insurance Company of Boston, Mass. have inspected these items described in this Data Report on 3/26/91, 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 3/26/91 Signed William A. Roland Commissions N. Y. STATE COMMISSION NO. 2288
(Authorized Inspector) ALSO COMMISSIONED IN PENN., OHIO & CONN.
(Natl. Bd. (incl. endorsements) state or prov. and no.)

94-173-003

NUCLEAR PART APPURTENANCE

As Required by the Provisions of the ASME Code, Section III, Division 1.
Not To Exceed One Day's Production

1. Manufactured and certified by Rockwell Corp., 1966 Broadhollow Rd., R. Farmingdale, NY 11735
(Name and address of certificate holder)

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

3. Location of Installation SUNQUAHANNA STEAM ELECTRIC STATION, BARWICK, PA 18603
(Name and address of purchaser)

4. Type See Back SA 479 316 75,000 MIN N/A 1988
(Drawing no.) (Material spec. no.) (Designation) (Code Case no.) (Date)

5. ASME Code, Section III: 1974 Winter 1975 20 N/A
(Edition) (Addendum) (Insert) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only): N/A 8.00 N/A N/A
(No.) (Rev.) (Date) (Date)

7. Remarks: Spark tests for completed valve assembly. Main Disc Assys. for Model
75KX-201, 202, 205, 207

CERTIFICATE OF SHOP INSPECTION

8. Notif. thickness (in.) N/A Min. design thickness (in.) N/A Length overhang (in.) N/A

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

Part or Appurtenance	Serial Number	Part or Appurtenance	Serial Number
(1)	N/A	(28)	
(2)	750A	(29)	
(3)	751A	(30)	
(4)	N/A	(31)	
(5)		(32)	
(6)		(33)	
(7)		(34)	
(8)		(35)	
(9)		(36)	
(10)		(37)	
(11)		(38)	
(12)		(39)	
(13)		(40)	
(14)		(41)	
(15)		(42)	
(16)		(43)	
(17)		(44)	
(18)		(45)	
(19)		(46)	
(20)		(47)	
(21)		(48)	
(22)		(49)	
(23)		(50)	
(24)			
(25)			

3018721742

10. Design pressure N/A psi Temp. N/A °F. Hydro. test pressure 160 psi at temp. °F.
(when applicable) Ambient

*Supplemental information in the form of files, sketches, or drawings may be used provided (1) also 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.

(4/88)-1 This form (E00040) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017.

RECORDED
PAGE 1

FORM N-1 OR NPT-CERTIFICATE HOLDER'S DATA REPORT FOR NUCLEAR PARTS AND APPURTENANCES

Mfr. Serial No. N/A

As Required by the Provisions of the ASME Code Section III, Division 1
Not To Exceed One Day's Production

Design specified by NY State P. E. state N/A Reg. no. N/A

Design report certified by N/A P. E. state N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Part conform to the rules of construction of the ASME Code, Section III:

NPT Certificate of Authorization no: 1948 Expires 12-9-89

Date 6-2-88 Name TARGET ROCK CORPORATION Signed G. Abruzzo, O.A. Manager
(NPT Certificate Holder)

CERTIFICATE OF SHOP INSPECTION

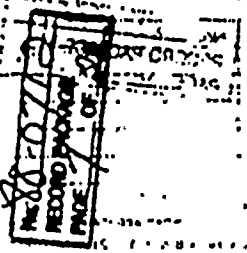
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or province of New York and employed by Commercial Union Insurance Company of Boston, Mass. have inspected these items described in this data report on 6/2/88 and state that 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 data shown above.

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

Date 6/2/88 Signed William J. ... Commission No. NEW YORK STATE COMMISSION NO. 22
(Authorized Inspector) (NPT, B2, and/or endorsement class or prev. and no.)

17432272818

PRODUCT	PART NUMBER	S/N
Main Disc Assy	200391-1 Rev. C	711A, 731A, 749A, 750A, 751A
Made From		
Main Disc	202336-1 Rev. C	711, 731, 749, 750, 751



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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/07/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

See Sheet 2 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 183A - Main Steam

5. (a) Applicable Construction SEE PAGE 3 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) MAIN STEAM ISOLATION VALVE	ATWOOD & MORRILL	8-221	N/A	HV141F028D	1974	REPAIRED	YES
2) BONNET	ANDERSON GREENWOOD	S/N 7 HT# 216907	N/A	HV141F016	1975	REPLACED	NO
3) BONNET	ANCHOR DARLING	S/N 2 HT# A091	N/A	HV141F016	1990	REPLACEMENT	YES

7. Description of Work See Page 4

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure SEE PAGE 4
Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 9/15/94 to 5/5/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/07/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 3 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

 PO Box 467, Berwick, PA 18603
Address

 See Sheet 2 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 183A - Main Steam

5. (a) Applicable Construction SEE PAGE 3 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1, 3	ASME SEC III; CLASS 1; 1971 EDITION; WINTER 1972 ADDENDA
2	ASME SEC III; CLASS 1; 1971 EDITION; WINTER 1972 ADDENDA; CODE CASE #'S 1516-1, 1534, 1535-2, AND 1334-2

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/07/95

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 4 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

 PO Box 467, Berwick, PA 18603
Address

 See Sheet 2 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 183A - Main Steam

5. (a) Applicable Construction SEE PAGE 3 19 Edition, Addenda, 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

Item (s)	Description of Work
1	BODY TO BONNET LEAKING, REPAIR BY SEAL-WELDING ON MSIV
2,3	DUE TO LLRT FAILURE BONNET OF HV141F016 WAS REPLACED.
Item (s)	Description of Tests
1	NON VT-2 PER FORM 480
2,3	VT-2 PER SE-100-002

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., 2 N. 9th St., Allentown, PA 18101
(Name and address of NPT Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part S/N - 2 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. D13125 Drawing Prepared by Anchor/Darling Valve Company

(b) Description of Part Inspected Bonnet; Heat No. A091 / SA105

(c) Applicable ASME Code Section III, Edition 1971, Addenda date Wnt '72, Case No. N/A Class 1

3. Remarks 3"-900#-Gate
(Brief description of service for which component was designed)
A/DV Shop Order EB602-5
Reference Bonnet Assembly C31988
Note: No Bonnet Hydro Performed

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III. (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/29 1990 Signed Anchor/Darling Valve Co. By R L Stannitt
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/92 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at _____

Stress analysis report on file at _____

Design specifications certified by _____ Prof. Eng. State _____ Reg. No. _____

Stress analysis report certified by _____ Prof. Eng. State _____ Reg. No. _____

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 7-31-90 EA 10-30-90 1990 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date 10-30 1990

Charles Young Commission Pennsylvania 3392
National Board, State, Province and No.

*Structural steels in form of plate, sections or forgings may be used provided (1) they are 1/4" or 1/2", (2) information in items 1(a) on this form is correct as used, and (3) they meet a minimum and number of tests as required in table 1. "Inspection"

10/771 The form 1E000401 may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 183A - Main Steam
5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) STEM & DISC ASSY	YARWAY	N/A	N/A	HV10112D2	1976	REPLACED	NO
2) STEM & DISC ASSY	YARWAY	91-11-1G-B4	N/A	HV10112D2	1994	REPLACEMENT	YES
3) BACKSEAT BUSHING	YARWAY	N/A	N/A	HV10112D2	1976	REPLACED	NO
4) BACKSEAT BUSHING	YARWAY	5293-B23	N/A	HV10112D2	1991	REPLACEMENT	YES

7. Description of Work See Page 8
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Page 8
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 11/14/94 to 5/13/95, 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.

FACTORY MUTUAL ENG. ASSOC.

[Signature] Commissions NB 7866 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 183A - Main Steam
5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5) 1" SCH XXS PIPE	BECHTEL	N/A	N/A	SP-DBB-105-3 LSL-10108	1982	REPAIRED	NO
6) 1" SCH XXS PIPE	BECHTEL	N/A	N/A	SP-DBB-102-5 LSL 10112A	1982	REPAIRED	NO
7) 1" SCH XXS PIPE	BECHTEL	N/A	N/A	SP-DBB-1035-5 LSL 10112D	1982	REPAIRED	NO
8) 1" SCH XXS PIPE	BECHTEL	N/A	N/A	SP-DBB-105-3	1982	REPLACED	NO
9) 1" SCH XXS PIPE	QUANEX/HUB	HT# 1M6673	N/A	SP-DBB-105-3	1986	REPLACEMENT	NO
10) 1" SCH XXS PIPE	BECHTEL	N/A	N/A	SP-DBB-102-5	1982	REPLACED	NO
11) 1" SCH XXS PIPE	QUANEX/HUB	HT# 1M6673	N/A	SP-DBB-102-5	1986	REPLACEMENT	NO
12) 1" SCH XXS PIPE	BECHTEL	N/A	N/A	SP-DBB-103-5	1982	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 183A - Main Steam
5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
13) 1" SCH XXS PIPE	QUANEX/HUB	HT# 1M6673	N/A	SP-DBB-103-5	1986	REPLACEMENT	NO
14) STEM AND DISC ASSY	YARWAY	N/A	N/A	LSL10108-R2	1977	REPLACED	NO
15) STEM AND DISC ASSY	YARWAY	FROM B0686	N/A	LSL10108-R2	1979	REPLACEMENT	NO
16) BACKSEAT BUSHING	YARWAY	N/A	N/A	LSL10108-R2	1977	REPLACED	NO
17) BACKSEAT BUSHING	YARWAY	FROM B0644	N/A	LSL10108-R2	1979	REPLACEMENT	NO
18) STEM AND DISC ASSY	YARWAY	N/A	N/A	LSH-10112B-DRN	1976	REPLACED	NO
19) STEM AND DISC ASSY	YARWAY	D14-C-3	N/A	LSH-10112B-DRN	1988	REPLACEMENT	YES

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 8
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 183A - Main Steam

5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
20) BACKSEAT BUSHING	YARWAY	N/A	N/A	LSH-10112B-DRN	1976	REPLACED	NO
21) BACKSEAT BUSHING	YARWAY	5293-822	N/A	LSH-10112B-DRN	1991	REPLACEMENT	YES
22) STEM AND DISC ASSY	YARWAY	N/A	N/A	LSH-10112B-BOT	1976	REPLACED	NO
23) STEM AND DISC ASSY	YARWAY	D14-C-16	N/A	LSH-10112B-BOT	1988	REPLACEMENT	YES
24) BACKSEAT BUSHING	YARWAY	N/A	N/A	LSH-10112B-BOT	1976	REPLACED	NO
25) BACKSEAT BUSHING	YARWAY	5293-B7	N/A	LSH-10112B-BOT	1991	REPLACEMENT	YES
26) 1" PIPE	BECHTEL	N/A	N/A	SP-DBB-101-4	1982	REPLACED	NO
27) 1" PIPE	QUANEX	HT# 1M6673	N/A	SP-DBB-101-4	1986	REPLACEMENT	NO
28) 1" TEE	BECHTEL	N/A	N/A	SP-DBB-101-4	1982	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/18/95

Sheet 5 of 8

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1:

See Sheet 6 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 183A - Main Steam

5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
29) SP-DBB-101-4	CAPITOL	HT# M234	N/A	SP-DBB-101-4	1984	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 6 of 8
Address
2. Plant Susquehanna Steam Electric Station Unit 1:
Name See Sheet 6 For Work Documents
PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.
Address
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name Authorization N/A
Two North Ninth St., Allentown, PA 18101 Expiration Date N/A
Address
4. Identification of System 183A - Main Steam
5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, 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

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1, 2, 3, 4	S53192	95-183-002
5	S53405	95-183-003
6	S53409	95-183-004
7	S53410	95-183-005
8,9	S53405	95-183-006
10,11	S53409	95-183-007
12,13	S53410	95-183-008
14 THRU 17	S53194	95-183-001
18 THRU 25	S43170	95-183-017
26 THRU 29	S43170	C94-183-039

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

1. Owner <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Date <u> 07/18/95 </u> Sheet <u> 7 </u> of <u> 8 </u>
2. Plant <u> Susquehanna Steam Electric Station </u> <small style="margin-left: 100px;">Name</small> <u> PO Box 467, Berwick, PA 18603 </u> <small style="margin-left: 100px;">Address</small>	Unit <u> 1: </u> See Sheet 6 For Work Documents <small style="margin-left: 100px;">Repair Organization P.O. No., Job No., etc.</small>
3. Work Performed by <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small> <u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small>	Type Code Symbol <u> None </u> Authorization <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> 183A - Main Steam </u>	
5. (a) Applicable Construction <u> SEE PAGE 7 </u> 19 <u> </u> Edition, <u> </u> Addenda, <u> </u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u> '89 No Add. </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

Item (s)	Applicable Construction Code
1, 2, 3, 4	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA
5, 6, 7, 8, 10, 12, 29	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA
9, 11, 13	ASME SEC III; CLASS 2; 1986 EDITION; NO ADDENDA
14,16,18,20,22,24	ASME SEC III; CLASS 2; 1974 EDITION; WINTER 1974 ADDENDA
15,17,19,21,23,25	ASME SEC III; CLASS 1; 1974 EDITION; WINTER 1974 ADDENDA
26,28	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA
27	ASME SEC III; CLASS 2; 1986 EDITION; NO ADDENDA

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 8 of 8
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
 PO Box 467, Berwick, PA 18603 See Sheet 6 For Work Documents
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 183A - Main Steam

5. (a) Applicable Construction SEE PAGE 7 19 Edition, Addenda, 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

Item (s)	Description of Work
1, 2, 3, 4	STEAM BLOWING FROM PACKING DURING WALKDOWN, REPLACE STEM & DISC ASSY AND BACKSEAT BUSHING
5,6,7	NON-CODE LEVEL SWITCHES FAILED AND WERE REPLACED
8,9,10,11,12,13	PIPING ABOVE AND BELOW LEVEL SWITCHES WAS REPLACED.
14 THRU 17	REPLACED STEM, DISC AND BACKSEAT BUSHING
18 THRU 29	REPLACED STEM, DISC AND BACKSEAT BUSHING
26 THRU 29	REPLACEMENT OF PIPING DUE TO LEAKAGE ABOVE DRAIN VALVE LSH-10112B
Item (s)	Description of Tests
1 THRU 25	NON VT-2 PER FORM 480
26 THRU 29	VT-2 PER SE-183-311



As required by the Provision of the ASME Code Rules, Section III, Div. 1

REGISTER 58957

SHOP ORDER 48757

Yarway Corporation, A Subsidiary of Keystone International, Inc.

Manufactured by 480 Norristown Road, Blue Bell, PA 19422

(Name and address of NPT Certificate Holder)

Manufactured for Penna. Power & Light Co., Susquehanna SES, Berwick, PA 18603

(Name and address of NPT Certificate Holder for completed nuclear component)

91-11-1G-81 through

Identification-Certificate Holder's Serial No. of Part

86 Nat'l Bd. No.

045122,

(a) Constructed According to Drawing No. 966238-02 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Stem Assembly, 1" - 5500 - Qty. 6

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. -- Class 1

3. Remarks: Renewal parts for nuclear globe valve

(Brief description of service for which component was designed)

Material: Disc, AMS 5385E; Heat Code: 91-11-1G

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III. The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not defined in the component Design Specification and Stress Report.

9 Dec. 1994 Signed YARWAY CORPORATION

(NPT Certificate Holder)

By F. W. Reszka

F. W. Reszka

Date of Authorization Expires Nov. 14, 1995 Certificate of Authorization No. N-2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Information on file at Pennsylvania Power & Light Co.

Stress report on file at Not Required

Certifications certified by John R. Schmiedel PA 19370E, Richard O. Schlueter PA 26382E, Sidney Arthur Copland PA 19877E, report certified by George Loos NJ 23225

CERTIFICATE OF SHOP INSPECTION

Inspected by a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of Pennsylvania and employed by Arkwright Mutual Insurance Co.

I have inspected the part of a pressure vessel described in this report and state that to the best of my knowledge the holder has constructed this part in accordance with the ASME Code Section III.

Neither the inspector nor his employer makes any warranty, expressed or implied, concerning this Partial Data Report. Furthermore, neither the inspector nor his employer is liable for any personal injury or property damage or a loss of any kind arising from or connected with this report.

* Factory Mutual Engineering Association

1994

Commissions NB7980 NIBS IS PA2204

National Board, State, Province and No.

1. Manufactured for YARWAY CORPORATION 12472 50491

2. Manufactured for RECHTEL POWER ENGINEERING MISSISSIPPI

3. Owner MISSISSIPPI POWER AND LIGHT COMPANY

4. Location of Plant PORT GIBSON, MISSISSIPPI

5. Pump or Valve Identification NUCLEAR SERVICE VALVE SIZE - 1"

SERIAL NUMBER(S) B0671 THRU B0695

(Check description of service for which equipment was designed)

(a) Drawing No. 103271-05 Prepared by YARWAY CORPORATION

(b) National Board No. _____

6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (1)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

8. Edition 1974, Addenda Date WINTER 1974, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	C8	AMS 5385	NOVA/HUNNET CORPORATION	DISC
	C10	AMS 5385	NOVA/HUNNET CORPORATION	DISC
(b) Forgings	B5	SA105	CAPE ANN TOOL COMPANY	BODY
	Y8	SA105	CAPE ANN TOOL COMPANY	BODY
	1764	SA182 Gr. F66	CYCLOPS CORP.	BACKSEAT NUTS

No. 91-0138
RECORD PACKAGE
PAGE 25 OF 99

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 3a and 3b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded on top of this form.

9118321426

(a) <u>Bolting</u>			
(b) <u>Other Parts</u> <u>NONE</u>			

2. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS W. HABERMAS (1) Prof. Eng. State MISS. Reg. No. 6064
 Stress analysis report certified by HAROLD T. GREGG (1) Prof. Eng. State PA. Reg. No. 9053B
 (1) Signature not required. List name only.

We certify that the statements made in this report are correct
 Date 12/26/79 Signed YARMAY CORPORATION W. A. VOLGER
 Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO. PHILADELPHIA, PA. have inspected the equipment described in this Design Report on 12/26/79 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Design Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12/26/79
D. Dentling Commission MB 2525 PA 2157
 (Inspector) (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

No. 91-0138
 RECORD PACKAGE
 PAGE 20 OF 99

1. Manufactured by YARWAY CORPORATION Order No. 80531

2. Manufactured for NUCLEAR POWER CORPORATION Order No. 8645-N-251.0

3. Owner MISSISSIPPI POWER AND LIGHT COMPANY

4. Location of Plant PORT GIBSON, MISSISSIPPI

5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE - 1"

SERIAL NUMBER(S) 80621 THRU 80645

(Chief occupation of service for which equipment was designed)

(a) Drawing No. 103271-05 Prepared by YARWAY CORPORATION

(b) National Stock No. _____

6. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (a)

7. The material, design, construction, and workmanship complies with ASME Code Section III Class 1

Issue 1974, Alternate Date WINTER 1974, Case No. NONE

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
C8	AMS 5385	NOVA/HORNET CORPORATION	DISC
C10	AMS 5385	NOVA/HORNET CORPORATION	DISC
(b) Forgings			
A5	SA105	CAPE ANN TOOL COMPANY	BODY
Y1	SA105	CAPE ANN TOOL COMPANY	BODY
1764	SA102 G. B.	CYCLOPS CORP.	BACKSEAT BUSHING

RECORD PACKAGE PAGE 2 OF 99

(1) For manually operated valves only.

*Supplemental sheets in form of notes, sketches or drawings may be used provided (1) size is 8 1/2" x 11"; (2) information in Notes, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is provided at initial file mark.

	Item No.	Description of Item, Size	Manufacturer	Remarks
(c)	Bolting	NONE		
(d)	Other Parts	NONE		

2. Hydraulic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Stress analysis report on file at BECHTEL POWER CORPORATION, GAITHERSBURG, MARYLAND
 Design specifications certified by THOMAS W. HABERMAS (1) Prof. Eng. State MISS Reg. No. 606A
 Stress analysis report certified by HAROLD I. GREGG (1) Prof. Eng. State PA Reg. No. 9053E
 (1) Signature not required. List name only.

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

Date 12/26 19 79 Signed YARWAY CORPORATION By W. A. VOELGER
(Name of company) (Name of person)

Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of PENNSYLVANIA and employed by PHILADELPHIA MANUFACTURERS MUTUAL INSURANCE CO. OF PHILADELPHIA, PA have inspected the equipment described in this Data Report on 12/26, and state that on the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 12/26 19 79

D. Cauley Commission PA 2157 NB 7525
(Inspector) (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

No. 910138
 RECORD PACKAGE
 PAGE 22 OF 99

(a) Manufactured by Yarway Corporation, Norristown & Narcissa Rds., Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co., Susquehanna SES, Berwick, PA 18603
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 5293-B1 through B25 Nat'l Bd. No. ---

(a) Constructed According to Drawing No. 937464-96 Drawing Prepared by Yarway Corporation

(b) Description of Part Inspected Backseat Bushing, 1 inch 5500, Qty. 25

(c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1

3. Remarks: Renewal parts for Nuclear Globe Valve
(Brief description of service for which component was designed)

Material: ASME SA-182 Grade F6a Class 2

Heat Code: 5293

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 10/25 1991 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder)

Certificate of Authorization Expires Nov. 14, 1989 Certificate of Authorization No. N2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Pennsylvania Power & Light Company

Stress analysis report on file at Pennsylvania Power & Light Company

Design specifications certified by John R. Schmiedel Penna. 19370E
Richard O. Schlueter Prof. Eng. State Penna. Reg. No. 26382E
and Sidney Arthur Copland Penna. 19877E

Stress analysis report certified by George J. Loos Prof. Eng. State N.J. Reg. No. 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on 10/28 1991, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual System

Date 10/28 1991

M. S. Skirrett Inspector's Signature Commissions PA 2056 N18813
National Board, State, Province 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 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

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

As required by the Provision of the ASME Code Rules, Section III, Div. 1

REGISTER NO. 14557

PRODUCTION ORDER NO. 42065

- 1. (a) Manufactured by YARWAY CORPORATION, BLUE BELL, PA 19422
(Name and address of NPT Certificate Holder)
- (b) Manufactured for PENNSYLVANIA POWER & LIGHT CO., SUSQUEHANNA STEAM ELECTRIC STATION
(Name and address of N Certificate Holder for completed nuclear component)
- 2. Identification-Certificate Holder's Serial No. of Part D14-C-1 THRU 16 Nat'l Bd. No. ---
- (a) Constructed According to Drawing No. 966238-02 Drawing Prepared by YARWAY CORPORATION
- (b) Description of Part Inspected Stem Assembly 1" 5515, 25 Qty. 16
- (c) Applicable ASME Code: Section III, Edition 1974, Addenda date W74, Case No. --- Class 1
- 3. Remarks: RENEWAL PARTS FOR NUCLEAR GLOBE VALVE
(Brief description of service for which component was designed)
- MATERIAL: DISC AMS 5385

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
 (The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date: 6/13 19 88 Signed YARWAY CORPORATION By F. W. PESZKA
 (NPT Certificate Holder)

Certificate of Authorization Expires NOVEMBER 14, 1989 Certificate of Authorization No. NPT2450

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at PENNSYLVANIA POWER & LIGHT CO.

Stress analysis report on file at PENNSYLVANIA POWER & LIGHT CO.

Design specifications certified by	<u>JOHN R. SCHMIEDEL</u>	PENNA.	19370E
	<u>RICHARD O. SCHLUETER</u>	Prof. Eng. State PENNA.	Reg. No. 26382E
	<u>SIDNEY ARTHUR COPLAND</u>	PENNA.	19877E
Stress analysis report certified by	<u>GEORGE J. LOOS</u>	Prof. Eng. State NJ	Reg. No. 23225

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PENNSYLVANIA and employed by ARKWRIGHT MUTUAL INSURANCE of NORWOOD, MA* have inspected the part of a pressure vessel described in this Partial Data Report on 6/13 1988, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date 6/13 19 88 *FACTORY MUTUAL SYSTEM

N. J. Houder Inspector's Signature Commissions Pa 2056 B N 15 N National Board, State, Province and No.

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

1. Owner Pennsylvania Power & Light Co. Date 07/07/95
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit 1:
Name
PO Box 467, Berwick, PA 18603 WA# S05343 CRF# 95-183-012
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 183B - MSIV NSS Shutoff

5. (a) Applicable Construction ASME SEC III 19 71 Edition, WINTER 1972 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 1" PIPE	BECHTEL	N/A	N/A	SP-HCC-136	1982	REPAIRED	NO

7. Description of Work Weld was removed to gain access to cap screw of 141F029A

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressur NON VT-2 PER FORM 480
 Other Pressur psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this 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 Date N/A

Signed [Signature] Date July 20, 19 95
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 3/2/95 to 3/20/95, 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. **FACTORY MUTUAL ENG. ASSOC.**

[Signature] Commissions NB 7866 PAWC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 07/18/95

Sheet 1 of 5

2. Plant Susquehanna Steam Electric Station
Name
 PO Box 467, Berwick, PA 18603
Address

Unit 1

See Sheet 3 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Type Code Symbol None

Authorization N/A

Expiration Date N/A

4. Identification of System 183E III AUTO PRESSURE BLOWDOWN

5. (a) Applicable Construction SEE PAGE 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) 1" PIPE	BECHTEL	N/A	N/A	SP-HCC-132-2	1982	REPAIRED	NO
2) BALL	CONTRAMATICS	N/A	N/A	1F040M	1976	REPLACED	NO
3) BALL	CONTRAMATICS	3E219T	N/A	1F040M	1985	REPLACEMENT	YES
4) LOAD PIN NUTS	BECHTEL	N/A	N/A	SP-HCC-131-H8	1982	REPLACED	NO
5) LOAD PIN NUTS	TEXAS BOLT	HT# 8097521	N/A	SP-HCC-131-H8	1992	REPLACEMENT	NO

7. Description of Work See Page 5

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure SEE PAGE 5
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS ATTACHED.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this repair / replacement 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 Date N/A

Signed [Signature] Date July 20, 1995
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/16/95 to 5/1/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions: NB 7866 PAWC 54619 AN11
Inspector's Signature FACTORY MUTUAL ENG. ASSOC.
National Board, State, Province, and Endorsements

Date July 20 1995

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

1. Owner Pennsylvania Power & Light Co. Date 07/18/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 See Sheet 3 For Work Documents
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A
4. Identification of System 183E III AUTO PRESSURE BLOWDOWN
5. (a) Applicable Construction SEE PAGE 4 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,4,6,7	ASME SEC III; CLASS 3; 1971 EDITION; WINTER 1972 ADDENDA
2, 3	ASME SEC III; CLASS 3; 1974 EDITION; SUMMER 1975 ADDENDA
5	ASME SEC III; CLASS 3; 1989 EDITION; NO ADDENDA
8	ASME SEC III; CLASS 3; 1974 EDITION; SUMMER 1974 ADDENDA

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/18/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 5 of 5

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

See Sheet 3 For Work Documents

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 183E III AUTO PRESSURE BLOWDOWN

5. (a) Applicable Construction SEE PAGE 4 19 Edition, Addenda, 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

Item (s)	Description of Work
1, 6, 7	REMOVE WELDS TO FACILITATE VALVE REWORKS
2,3	REPLACED BALL IN VALVE
4,5	LOAD PIN NUTS WERE FOUND REPLACED
8	BLENDED OUT PIT AREA: REMOVED MINIMUM AMOUNT OF METAL.
Item (s)	Description of Tests
1, 2, 3, 6, 7	NON VT-2 PER FORM 480
4,5,8	NONE

P.O. 3-07045-1-2, Item 1 S.O. NP87577 Item 1
 FORM N-2 N OR NPT 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 Pg 1 of 1

Manufactured and certified by Contromatics Div., 222 Roberts Street, East Hartford, CT 06108
(name and address of certificate holder)

Manufactured for Bechtel Power Corp., San Francisco, CA 94119
(name and address of purchaser)

Location of installation SSES, 5 miles NE of Berwick, PA
(name and address)

Type 598-10-03 REV. C ASME SA 479 Ty. 316 N/A N/A 1985
(drawing no.) (nat'l spec. no.) (tensile strength) (CRM) (year built)

ASME Code, Section III: 1974 Summer 1975 3 N/A
(edition) (addenda) (class) (Code Case no.)

Fabricated in accordance with Const. Spec. (Div. 2 only) _____ Revision: _____ Date _____
(No.)

Remarks: 3 Balls for 1" Ball Check Valve

Service for: Water/Steam

8. Nom. thickness (in.) 1 Min. design thickness (in.) 1 Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A

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

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board Number In Numerical Order
(1) 3E219T-26	N/A	(26)	
(2) 3E219T-27	N/A	(27)	
(3) 3E219T-28	N/A	(28)	
(4) 3E219T-29	N/A	(29)	
(5) 3E219T-30	N/A	(30)	
(6) 3E219T-31	N/A	(31)	
(7) 3E219T-32	N/A	(32)	
(8) 3E219T-33	N/A	(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

Design pressure 160 psi Temp. 340 °F. Hydro. test pressure 1100 at temp. °F.
(when applicable)

Supplemental information in 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 number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.
 (5/83) This form (E00040) may be obtained from the Order Dept., ASME, 348 E. 47th St., New York, N.Y. 10017

051412512033

CERTIFICATE OF DESIGN

Design specifications certified by General Electric Corp., San Francisco, CA
 (when applicable)

CERTIFICATE OF SHOP COMPLIANCE

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

ASME Certificate of Authorization no. N-1935 Expires 11/18/86

Date 4-10-85 Name Contromatics Signed David Platt
 (NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or province of Conn and employed by Lumbermens Mutual Casualty Co.
 of Long Grove, IL have inspected these items described in this data report on 4-10-85 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 4-10-85 Signed Frank Crain Commission 4528
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

8514 51206

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 07/07/95

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 3

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

WA#S47009 522#94-183-002

Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.
Name

Type Code Symbol None

Two North Ninth St., Allentown, PA 18101
Address

Authorization N/A

Expiration Date N/A

4. Identification of System 183H - MSIV Leakage Control

SEE PAGE 3 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 '89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) VALVE 3/8" TUBE SIZE	ANDERSON GREENWOOD	5762	N/A	IC-PSL-B21-1N015C	1980	REPLACED	YES
1) VALVE 3/8" TUBE SIZE	ANDERSON GREENWOOD	N26547	N/A	IC-PSL-B21-1N015C	1992	REPLACEMENT	YES
3) FERRULE	ANDERSON GREENWOOD	N/A	N/A	IC-PSL-B21-1N015C	1980	REPLACED	NO
4) FERRULE	PARKER HANINFIN	N/A	N/A	IC-PSL-B21-1N015C	1989	REPLACEMENT	NO

7. Description of Work Leakby detected, valve replacement necessary; also replace ferrule and nut.

8. Tests Conducted: Hydrostatic Pneumati Nominal Operating Pressur NONE
Othe Pressur _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURE'S DATA REPORTS 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. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] Date July 20, 19 98
Owner or Owner's Designee, Title V.P.-NUCLEAR OPERATIONS

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 ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 2/17/95 to 3/20/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 7866 PAUC 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date July 20 19 95

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

1. Owner Pennsylvania Power & Light Co. Date 07/07/95
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 3
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name
 PO Box 467, Berwick, PA 18603 WA#S47009 522#94-183-002
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization N/A
Address Expiration Date N/A

4. Identification of System 183H - MSIV Leakage Control
 SEE PAGE 3 19 Edition, Addenda, 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

Item (s)	Applicable Construction Code
1,3,5	ASME SEC III; CLASS 2; 1974 EDITION; NO ADDENDA
2	ASME SEC III; CLASS 2 1971 EDITION; WINTER 1973 ADDENDA
4	ASME SEC III; CLASS 2; 1986 EDITION; 1977 ADDENDA
6	ASME SEC III; CLASS 2; 1971 EDITION; WINTER 1972 ADDENDA

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

1. Manufactured by Anderson Greenwood and Co. 3950 Greenbriar, Stafford, TX 77477
(Name and Address of Manufacturer)
2. Manufactured for Pennsylvania Power and Light Two N. Ninth Street Allentown, PA 18101
(Name and Address of Purchaser or Owner)
3. Location of Installation Susquehanna Station 5 Mi NE of Berwick on US RT. 11 Berwick, PA 186C
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 3/8 (inch) Outlet Size 3/8 (inch)

	(a) Model No., Series No. or Type	(b) Manufacturers' Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	H7HS-3TC	N26543	N/A	N02-4038-831	2	N/A	1992
(2)		thru		Rev. J			
(3)		N26558					
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Replacement Valve
(Brief description of service for which equipment was designed)

6. Design Conditions 2240 psi 800 °F or Valve Pressure Class 1500 # 71
(Pressure) (Temperature)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings <u>N/A</u>			
(b) Forgings <u>N/A</u>			

(1) For manually operated valves only.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	N/A		
(d) Other Parts			
N02-4089-511	SA479-316/SA213-316	AGCO	Body Weldment
N02-2583-002	SA479-316	AGCO	Bonnet
N02-2532-001	A276-316	AGCO	Stem Assembly

9. Hydrostatic test 5400 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971, Addenda H-13, Code Case No. N/A, Date 7/13/92.

Signed AGCO Anderson, Greenwood & Co. by Joseph a. Parks
(Date) (Manufacturer)

Our ASME Certificate of Authorization No. N-2823 to use the N symbol expires 9-10-93
(N) (NFV) (Date)

CERTIFICATION OF DESIGN

Design information on file at Anderson, Greenwood and Co.
 Stress analysis report (Class 1 only) on file at N/A

Design specifications certified by (1) Sidney Arthur Copland
 PE State PA Reg. No. 29577-E

Stress analysis certified by (1) N/A
 PE State N/A Reg. No. N/A

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by C.U.I.C. of Boston, MA have inspected the pump, or valve, described in this Data Report on 7-13 19 92, and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 7-13 19 92
[Signature] Commissions Tex 803
(Inspector) (Nat'l Bd., State, Prov. and No.)