

ACCELERATED DOCUMENT DISTRIBUTION SYSTEM
 REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9404260334 DOC. DATE: 94/04/19 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylvania 05000387
 AUTH. NAME: - AUTHOR AFFILIATION
 BYRAM, R.G. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Forwards Books 1 & 2 of "SSES Unit 1 Seventh Refueling & Insp Outage ISI Outage Summary Rept."

DISTRIBUTION CODE: A047D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 18800
 TITLE: OR Submittal: Inservice/Testing/Relief from ASME Code - GL-89-04

NOTES:

	RECIPIENT		COPIES		RECIPIENT		COPIES	
	ID CODE/NAME		LTR	ENCL	ID CODE/NAME		LTR	ENCL
	PD1-2 LA		1	0	PD1-2 PD		1	1
	CLARK, R		2	2				
INTERNAL:	ACRS		6	6	AEOD/DSP/ROAB		1	1
	NRR/DE/EMEB		1	1	NRR/EMCB		1	1
	NUDOCS-ABSTRACT		1	1	OC/LEDCEB		1	0
	OGC/HDS2		1	0	<u>REG FILE</u>	01	1	1
	RES/DSIR/EIB		1	1				
EXTERNAL:	EG&G BROWN, B		1	1	EG&G RANSOME, C		1	1
	NRC PDR		1	1	NSIC		1	1

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 504-2065) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 22 ENCL 19

MAY

R
I
D
S
/
A
D
D
S
/
A
D
D
S



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 215/774-5151

Robert G. Byram
Senior Vice President-Nuclear
610/774-7502

APR 19 1994

U.S. Nuclear Regulatory Commission
Attn.: Document Control Desk
Mail Station PI-137
Washington, D.C. 20555

**SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 1 SEVENTH REFUELING AND INSPECTION OUTAGE
ISI SUMMARY REPORT**

PLA-4080

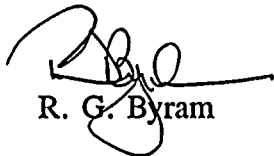
FILES R15-4, R41-2

Docket No. 50-387

Attached for your use is a copy of the Susquehanna Steam Electric Station Inservice Inspection Outage Summary Report for the Unit 1 Seventh Refueling and Inspection Outage. A copy of this report has also been sent to the Commonwealth of Pennsylvania.

If you have any questions, please contact us.

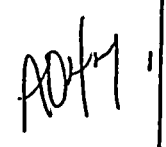
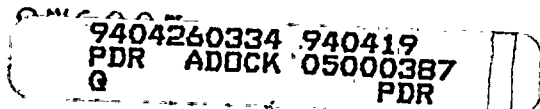
Very truly yours,



R. G. Byram

Attachment

cc: NRC Region I (w/o)
Mr. G. S. Barber, NRC Sr. Resident Inspector (w/o)
Mr. R. J. Clark, NRC Sr. Project Manager (w/o)





1942

1942

SUSQUEHANNA STEAM ELECTRIC STATION

Pennsylvania Power and Light Company

UNIT 1 SEVENTH REFUELING AND INSPECTION OUTAGE

***INSERVICE INSPECTION
OUTAGE SUMMARY REPORT***

Book 2 of 2

COPY

50-387
4/19/94

9404260334

MODIFICATION INSTALLATION GROUP

NIS-2 FORMS

WORK ABSTRACT

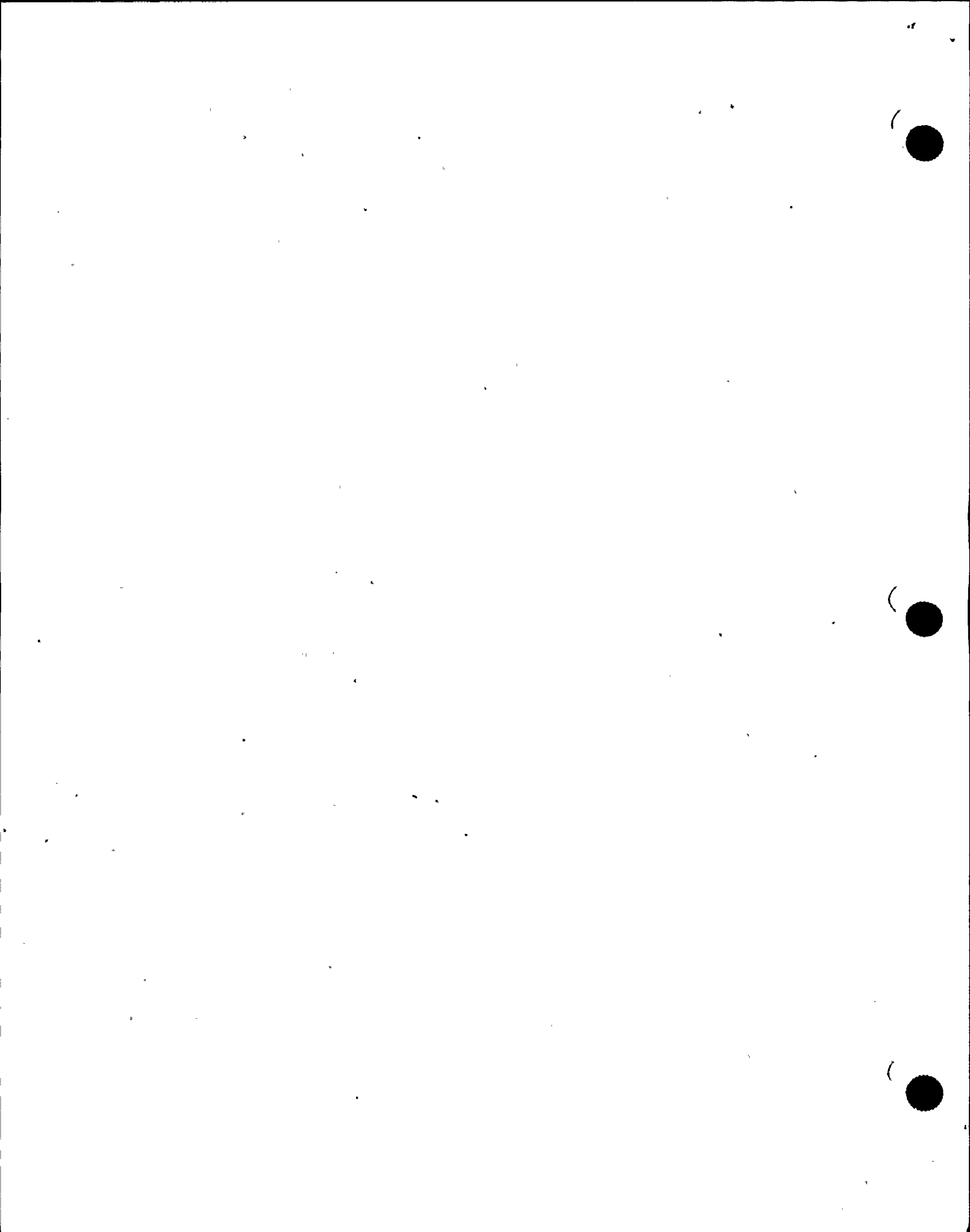
The Modification Installation Group is responsible for preparing Construction Work Authorizations (work packages) for fabrication and installation of design changes in accordance with ASME Sections XI. This work is documented on NIS-2 Forms which are submitted herewith.

MODIFICATION INSTALLATION GROUP

Design Change Packages for ASME Section XI (Class 1, 2 and 3) installed in Unit 1 since the completion of the Sixth Refueling Outage through completion of the Seventh Refueling Outage are summarized below:

DESIGN CHANGE PACKAGE NUMBER	SYSTEM / CLASS	DESCRIPTION
91-3034A	016A III	Install new corrosion probes
90-3108B & C	023B III	Snubber reduction project
92-9071A, B, C & D	023B III	Install new fuel oil overflow line
90-3108A, B, C & D	024A III	Snubber reduction project
90-3108E	024A III	Snubber reduction project
92-3015E	024A III	Install new Jacket Water sample station
92-3020A	030O III	Snubber reduction project
91-3033A	054A III	Install new corrosion probes
91-3033B	054A III	Install new corrosion probes
90-3108H	054B III	Snubber reduction project
90-9095	125A III	Install new pressure control valves
92-3020A	134G III	Snubber reduction project
92-3020F	135B III	Snubber reduction project
92-3020C	145A II	Snubber reduction project
93-9012	145A II	HV-141F032A & B replaced retaining ring capscrews
84-9018	149AII	Reroute tubing to pressure indicators
92-3020F	149A II	Snubber reduction project
93-3013A & B	149A II	Valve Compliance Project
89-9153B	149A III	Remove RHR Pump seal coolers
92-3020F	149B III	Snubber reduction project
92-3020F	149E II	Snubber reduction project
92-3020F	149G I	Snubber reduction project
92-3020F	149G II	Snubber reduction project
92-3020G	150B II	Snubber reduction project
92-9043	150B II	Rework SP-DBB-109-1
92-3020D	151A I	Snubber reduction project
92-3020C	151A II	Snubber reduction project
92-3020D	151A II	Snubber reduction project
92-3020C	152A II	Snubber reduction project
92-3020E	152A II	Snubber reduction project
94-9000	152A II	Remove supports EBB-102-H24 & H25
93-3027 & 93-3028	152B I	Valve Compliance Project
92-3020E	152B II	Snubber reduction project
92-3020J	153A II	Snubber reduction project
89-9153B	154A III	Reroute ESW piping
91-3033B	154A III	Install new corrosion probes
92-3020A	154A III	Snubber reduction project
93-3022 & 93-3023	161B I	Valve Compliance Project
92-3020H	161B II	Snubber reduction project

DESIGN CHANGE PACKAGE NUMBER	SYSTEM / CLASS	DESCRIPTION
90-3035C	161B III	Change valve numbers 144806 & 144807
92-3020H	161B III	Snubber reduction project
92-3020D	162A I	Snubber reduction project
92-3020K	162A I	Snubber reduction project
92-3020M	162A I	Snubber reduction project
93-3047B, C & E	162A II	Installed reactor water level backfill system
92-3020L	164A I	Snubber reduction project
92-3020K	164B I	Snubber reduction project
93-9065	164B I	Replace reactor recirculation vent and drain supports
92-3020K	164B II	Snubber reduction project
92-3020I	173A II	Snubber reduction project
92-3020I	173C II	Snubber reduction project
92-3020B	183A II	Snubber reduction project



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 February 3, 1994
 Sheet 1 of 1

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

Unit COMMON
 PMR # 91-3034A / WA'S C23180, C23181, C23182,
 AND C23219
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System RHR SERVICE WATER, 016A, CLASS III

5. (a) Applicable Construction Code III; SEE REMARKS 19 71 Edition, thru W72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
CORROSION PROBE ROOT VALVE	TUFLINE	83590B-1	N/A	RV-AE-01230	1976	REPLACEMENT	YES
LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-112-3	1982	REPLACED	YES
LARGE PIPE SUB-ASSEMBLY	PP&L	N/A	N/A	HRC-112-3	1992	REPLACEMENT	NO
SMALL PIPE SUB-ASSEMBLY	PP&L	N/A	N/A	SP-HRC-112-9	1992	REPLACEMENT	NO

7. Description of Work INSTALL NEW CORROSION PROBE AND ISOLATION VALVE DOWNSTREAM OF THE UNIT # 1 RHRSW PUMP 1P506A

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 195 psi Test Temp. AMBIENT °F

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

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORT(S) ATTACHED

Applicable Manufacturer's Data Reports to be attached

CONSTRUCTION CODE FOR TUFLINE VALVES IS ASME SECTION III 1974 EDITION, NO ADDENDA

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 2/27 .19 94
Owner or Owner's Designee, Title VP-NUC. 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 9/17/93 to 2/28/94, 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 PA.WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 28 19 94

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 Tufline Division of Xomox Corporation - Cincinnati, Ohio
(Name and Address of Manufacturer)
 2. Manufactured for Bechtel Power Corporation - Pennsylvania Power & Light Co.
(Name and Address of Purchaser or Owner)
 3. Location of Installation Susquehanna Steam Electric Station - Berwick, PA
(Name and Address)
 4. Pump or Valve Plug Valve Nominal Inlet Size 2" (inch) Outlet Size 2"

(e) Model No. or Type	(b) Manufacturers' Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(f) Nat'l. Bd. No.	(g) Year Built
(1) 0696SW	83590B-1	--	Z4802C	3	1976
(3) 0696SW	83590B-2	--	Z4802C	3	1976
(4)					
(5)					
(6)					
(7)					
(8)					
(9)					
(10)					

5. Radwaste System - See Supplement Attached
(Brief description of service for which equipment was designed)

6. Design Conditions 1153 (Pressure) psi 150 (Temperature) °F or Valve Pressure Class G00# (1)
 7. Cold Working Pressure 1235 psi at 100°F.
 8. Pressure Retaining Pieces

2
6
9
9
9
1
9
3
8

Mark No.	Material Spec. No.	Manufacturer	Remarks
Heat # (a) Castings			
4733B-5,3 (2) Body	ASTM A351 GR CF8M	Lebanon Steel Foundry	
8988B-65,63 (2) Plug	ASME SA351 GR CF8M	Lebanon Steel Foundry	
2257B-36 (1) Cover	ASTM A351 GR CF8M	Lebanon Steel Foundry	
8928B-14 (1) Cover	ASME SA351 GR CF8M	Lebanon Steel Foundry	
(b) Forgings			

RECORD COPY

(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.
 (1/76) This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017

293 1036

11/11/11



2
2
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. Date JANUARY 23, 1994
Name
Two North Ninth St., Allentown, PA 18101
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
PO Box 467, Berwick, PA 18603
Address
 PMR 90-3108B, PMR 90-3108C,
 WORK AUTHORIZATIONS C-23470 & C33009
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101
Address
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System DIESEL FUEL OIL SYSTEM 023B CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBC-78-H2061	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	17214	N/A	SP-HBC-78-H2061	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBC-78-H2013	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13430	N/A	SP-HBC-78-H2013	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBC-78-H2014	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	04999	N/A	SP-HBC-78-H2014	1978	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 8/29/93 to 2/28/94, 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 Feb 28 19 94

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 January 26, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 3
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
 PO Box 467, Berwick, PA 18603 DCP's 92-9071A, B, C and D
Address WA's C23432 thru C23447
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System STANDBY DIESEL GENERATOR FUEL TRANSFER SYSTEM, 023B, CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

"A" D/G DAY TANK OVERFLOW TO FUEL STORAGE TANK	BECHTEL	N/A	N/A	SP-HBC-78-3	1982	REPLACED	NO
"A" D/G DAY TANK OVERFLOW TO FUEL STORAGE TANK	PP&L	N/A	N/A	SP-HBC-78-3	1993	REPLACEMENT	NO
"B" D/G DAY TANK OVERFLOW TO FUEL STORAGE TANK	BECHTEL	N/A	N/A	SP-HBC-78-8	1982	REPLACED	NO
"B" D/G DAY TANK OVERFLOW TO FUEL STORAGE TANK	PP&L	N/A	N/A	SP-HBC-78-8	1993	REPLACEMENT	NO
"C" D/G DAY TANK OVERFLOW TO FUEL STORAGE TANK	BECHTEL	N/A	N/A	SP-HBC-78-4	1982	REPLACED	NO

7. Description of Work Modify D/G A, B, C & D Day Tank Overflow Line and Tubing to eliminate buildup of Fuel Oil in Drain System

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

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

FORM NIS-2 (Back)

9. Remarks

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 2/27 19 94
Owner or Owner's Designee, Title VP-Nuc 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 9/11/93 to 1/24/94 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 PA-WC24619 AW11
Inspector's Signature National Board, State, Province, and Endorsements
Date Feb 28 19 94

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 January 26, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 3
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
PO Box 467, Berwick, PA 18603 DCP's 92-9071A, B, C and D
Address WA's C23432 thru C23447
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

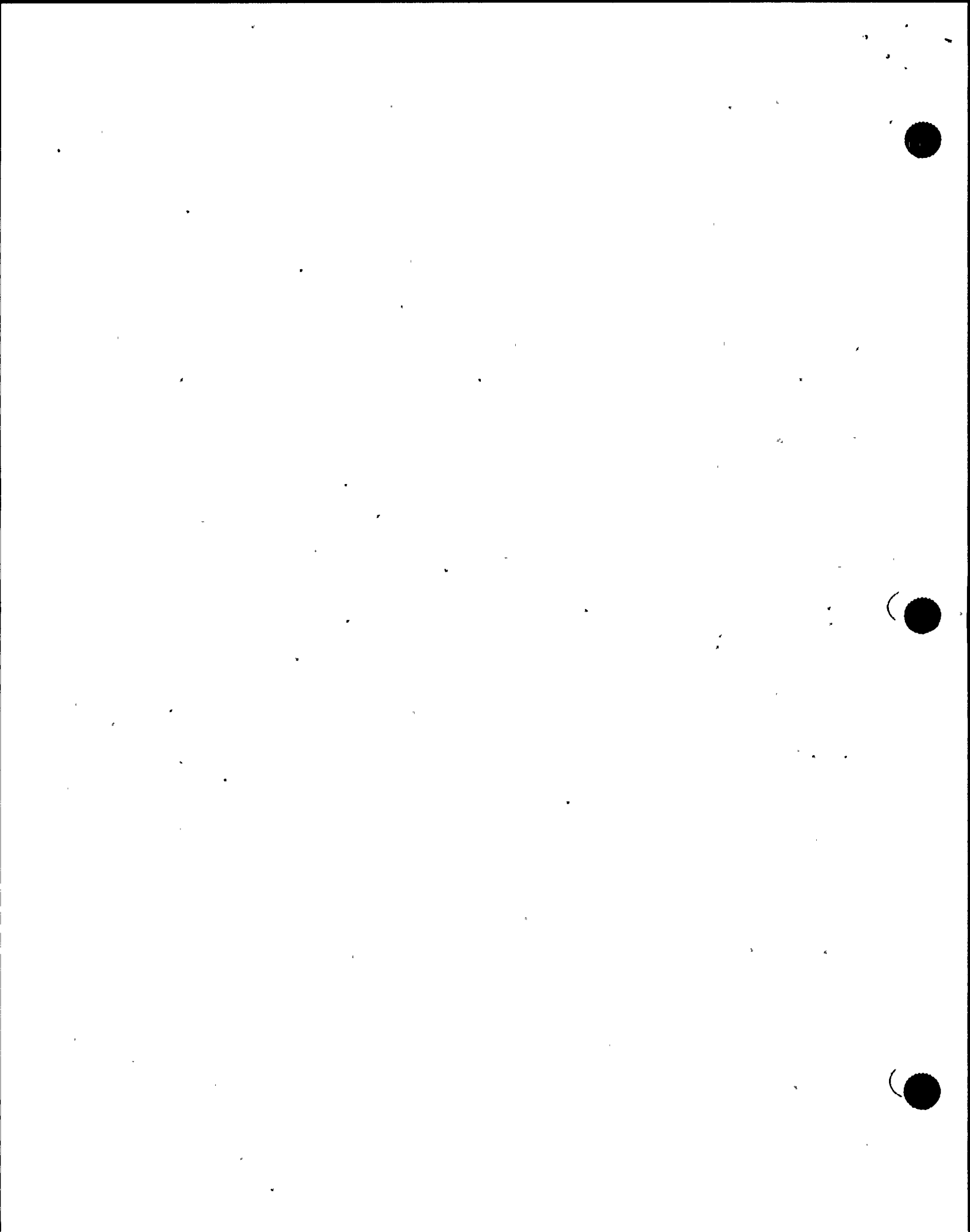
4. Identification of System STANDBY DIESEL GENERATOR FUEL TRANSFER SYSTEM, 023B, CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

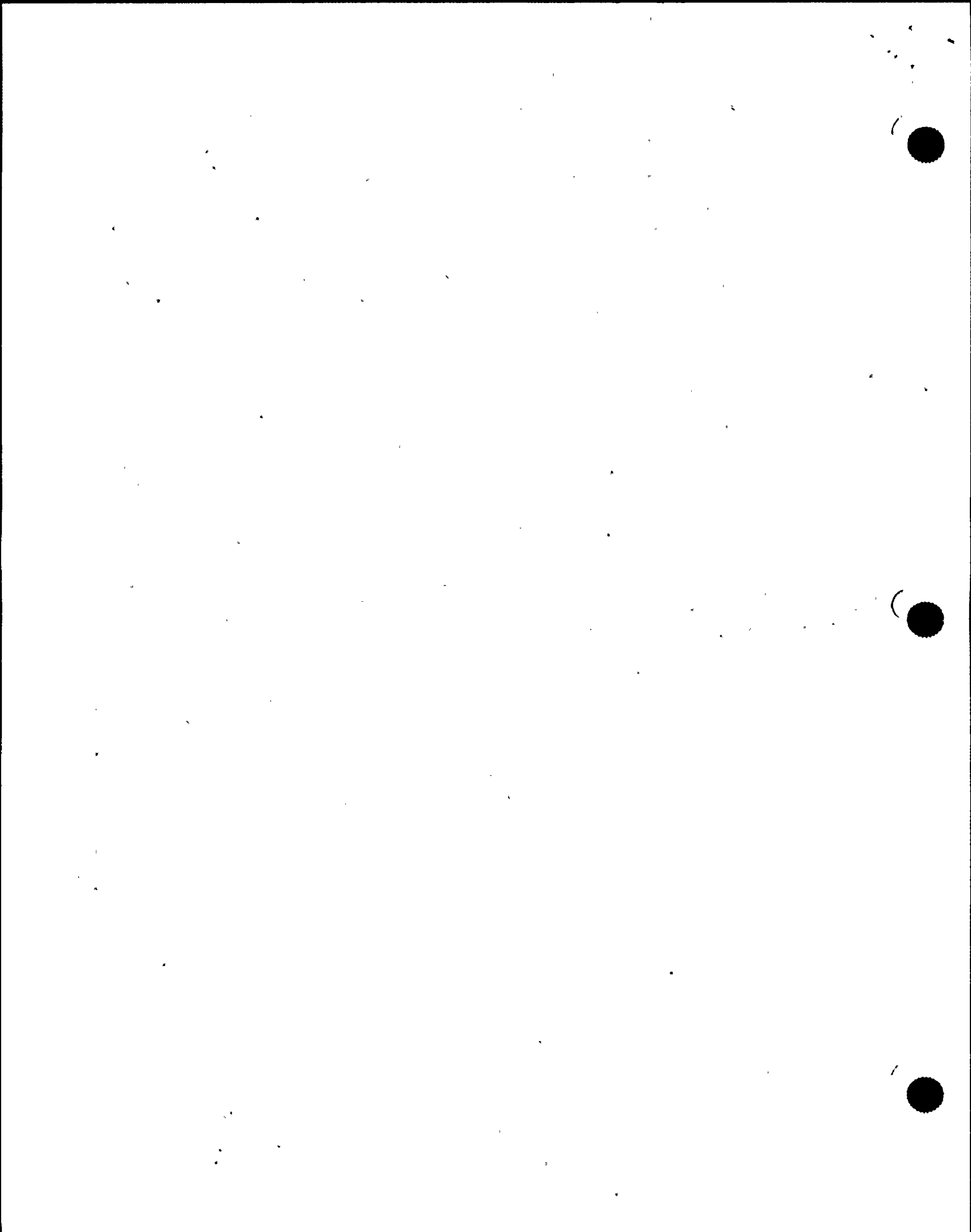
"C" D/G DAY TANK OVERFLOW TO FUEL STORAGE TANK	PP&L	N/A	N/A	SP-HBC-78-4	1993	REPLACEMENT	NO
"D" D/G DAY TANK OVERFLOW TO FUEL STORAGE TANK	BECHTEL	N/A	N/A	SP-HBC-78-6	1982	REPLACED	NO
"D" D/G DAY TANK OVERFLOW TO FUEL STORAGE TANK	PP&L	N/A	N/A	SP-HBC-78-6	1993	REPLACEMENT	NO
"A" D/G FUEL OIL DRAIN TUBING	PP&L	N/A	N/A	C-2007	1991	REPLACED	NO
"A" D/G FUEL OIL DRAIN TUBING	PP&L	N/A	N/A	C-2007	1993	REPLACEMENT	NO
"B" D/G FUEL OIL DRAIN TUBING	PP&L	N/A	N/A	C-2008	1991	REPLACED	NO
"B" D/G FUEL OIL DRAIN TUBING	PP&L	N/A	N/A	C-2008	1993	REPLACEMENT	NO
"C" D/G FUEL OIL DRAIN TUBING	PP&L	N/A	N/A	C-2009	1991	REPLACED	NO
"C" D/G FUEL OIL DRAIN TUBING	PP&L	N/A	N/A	C-2009	1993	REPLACEMENT	NO
"D" D/G FUEL OIL DRAIN TUBING	PP&L	N/A	N/A	C-2010	1991	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 January 26, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 3
Address
2. Plant Susquehanna Steam Electric Station Unit Common
Name
PO Box 467, Berwick, PA 18603 DCP's 92-9071A, B, C and D
Address WA's C23432 thru C23447
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System STANDBY DIESEL GENERATOR FUEL TRANSFER SYSTEM, 023B, CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
"D" D/G FUEL OIL DRAIN TUBING	PP&L	N/A	N/A	C-2010	1993	REPLACEMENT	NO



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

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

Date JANUARY 21,1994

Sheet 1 of 10

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

Unit Common

 PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
 PMR 90-3108D. See Remarks for Work Authorizations
 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-4-H1	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01688	N/A	HBC-4-H1	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-4-H6	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03185	N/A	HBC-4-H6	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-5-H9	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19502	N/A	HBC-4-H9	1981	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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

Applicable Manufacturer's Data Reports to be attached

WA C23488, C23489, C23490, C23466, C23467, C23468, C23469, C33006, C33007, C33008,

C23498, C23499, & C23500.

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 12/18/92 to 2/28/93, 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 Feb 28 19 93

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 JANUARY 21, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
PO Box 467, Berwick, PA 18603 PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
Address PMR 90-3108D. See Remarks for Work Authorizations
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-5-H10	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02474	N/A	HBC-5-H10A	1977	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	02474	N/A	HBC-5-H10B	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-5-H17	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19446	N/A	HBC-5-H17	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-5-H6	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	04270	N/A	HBC-5-H6A	1978	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	04278	N/A	HBC-5-H6B	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-5-H18	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19463	N/A	HBC-5-H18	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-5-H20	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 JANUARY 21, 1994
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 3 of 10
Address
2. Plant Susquehanna Steam Electric Station Unit Common
Name
- PO Box 467, Berwick, PA 18603 PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
Address PMR 90-3108D. See Remarks for Work Authorizations
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
- Expiration Date N/A
4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	00219	N/A	HBC-5-H20A	1979	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	00222	N/A	HBC-5-H20B	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-5-H23	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19468	N/A	HBC-5-H23	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-5-H11	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-5-H11	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-5-H14	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-5-H14	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-7-H1	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	05421	N/A	HBC-7-H1	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-7-H6	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 JANUARY 21, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
 PO Box 467, Berwick, PA 18603 PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
Address PMR 90-3108D. See Remarks for Work Authorizations
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	07535	N/A	HBC-7-H6	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-8-H7	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03073	N/A	HBC-8-H7	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-8-H9	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19551	N/A	HBC-8-H9A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	19553	N/A	HBC-8-H9B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-8-H20	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02478	N/A	HBC-8-H20	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-8-H10	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-8-H10	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-8-H14	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 JANUARY 21, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
 PO Box 467, Berwick, PA 18603 PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
Address PMR 90-3108D. See Remarks for Work Authorizations
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	PP&L	N/A	N/A	HBC-8-H14	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-8-H15	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19571	N/A	HBC-8-H15	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-8-H17	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19510	N/A	HBC-8-H17A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	19555	N/A	HBC-8-H17B	1981	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	HBC-8-H17	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-9-H1	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	05423	N/A	HBC-9-H1	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-9-H6	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03211	N/A	HBC-9-H6	1978	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 21, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 6 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
PO Box 467, Berwick, PA 18603 PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
Address PMR 90-3108D. See Remarks for Work Authorizations
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H8	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	04060	N/A	HBC-11-H8	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H10	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19561	N/A	HBC-11-H10A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	19570	N/A	HBC-11-H10B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H15	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19448	N/A	HBC-11-H15	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H11	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-11-H11	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H14	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-11-H14	1993	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 21, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 7 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
PO Box 467, Berwick, PA 18603 PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
Address PMR 90-3108D. See Remarks for Work Authorizations
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H2	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08629	N/A	HBC-11-H2	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H4	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08630	N/A	HBC-11-H4A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	01348	N/A	HBC-11-H4B	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H5	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19549	N/A	HBC-11-H5A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	19498	N/A	HBC-11-H5B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H16	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03556	N/A	HBC-11-H16	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-11-H17	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 JANUARY 21, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 8 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
 PO Box 467, Berwick, PA 18603 PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
Address PMR 90-3108D. See Remarks for Work Authorizations
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	19499	N/A	HBC-11-H17A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	19519	N/A	HBC-11-H17B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-12-H4	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01920	N/A	HBC-12-H4	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-12-H6	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02750	N/A	HBC-12-H6	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-13-H9	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19557	N/A	HBC-13-H9	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-13-H11	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00677	N/A	HBC-13-H11A	1977	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	06576	N/A	HBC-13-H11B	1978	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 21, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 9 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
PO Box 467, Berwick, PA 18603 PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
Address PMR 90-3108D. See Remarks for Work Authorizations
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

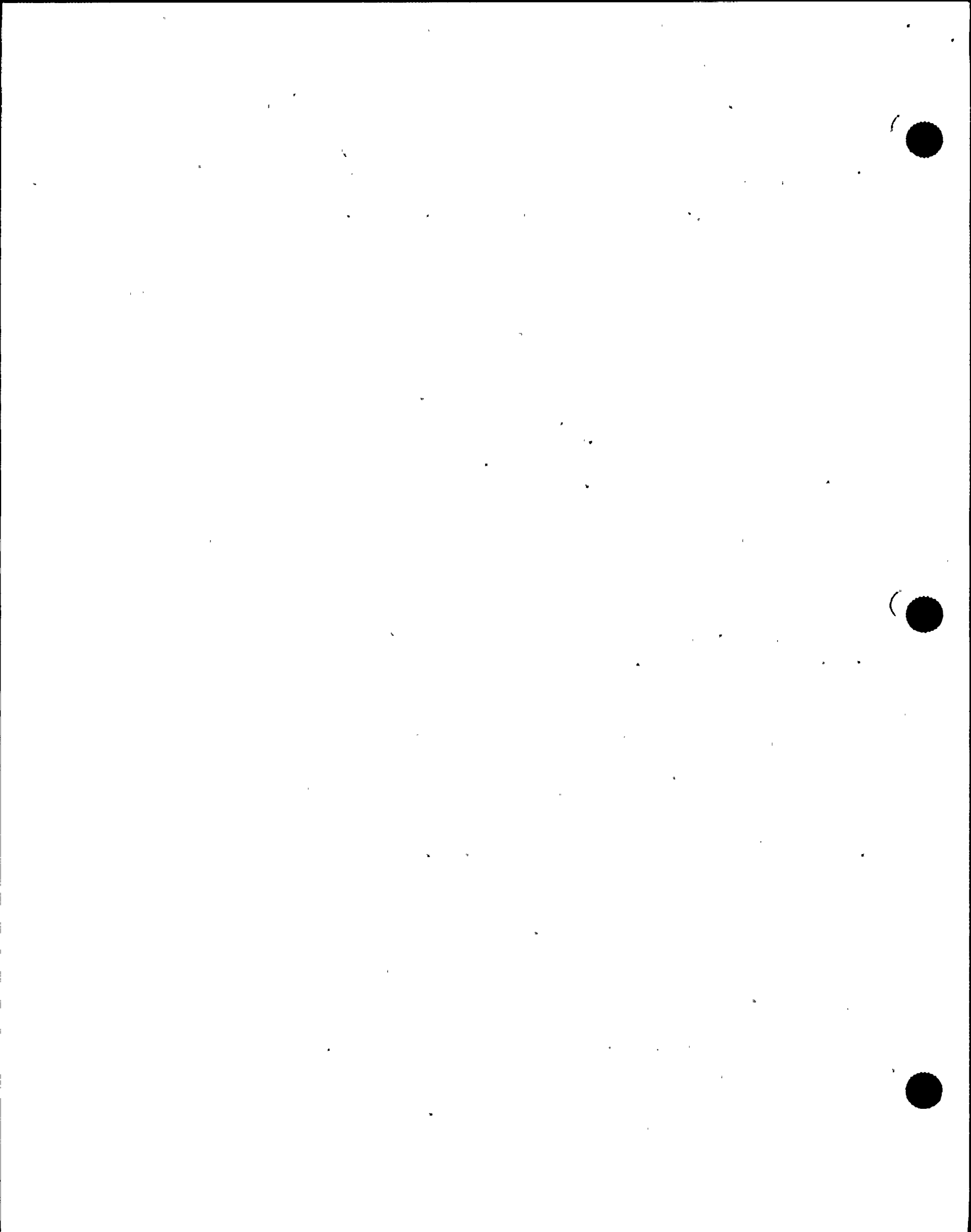
4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-13-H16	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02665	N/A	HBC-13-H16	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-13-H12	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-13-H12	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-13-H15	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-13-H15	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-13-H18	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	19554	N/A	HBC-13-H18	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-13-H19	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00220	N/A	HBC-13-H19A	1979	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	00216	N/A	HBC-13-H19B	1979	REPLACED	N/A



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

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

Date JANUARY 21, 1994

Sheet 10 of 10

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

Unit Common

PMR 90-3108A, PMR 90-3108B, PMR 90-3108C, &
PMR 90-3108D. See Remarks for Work Authorizations
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

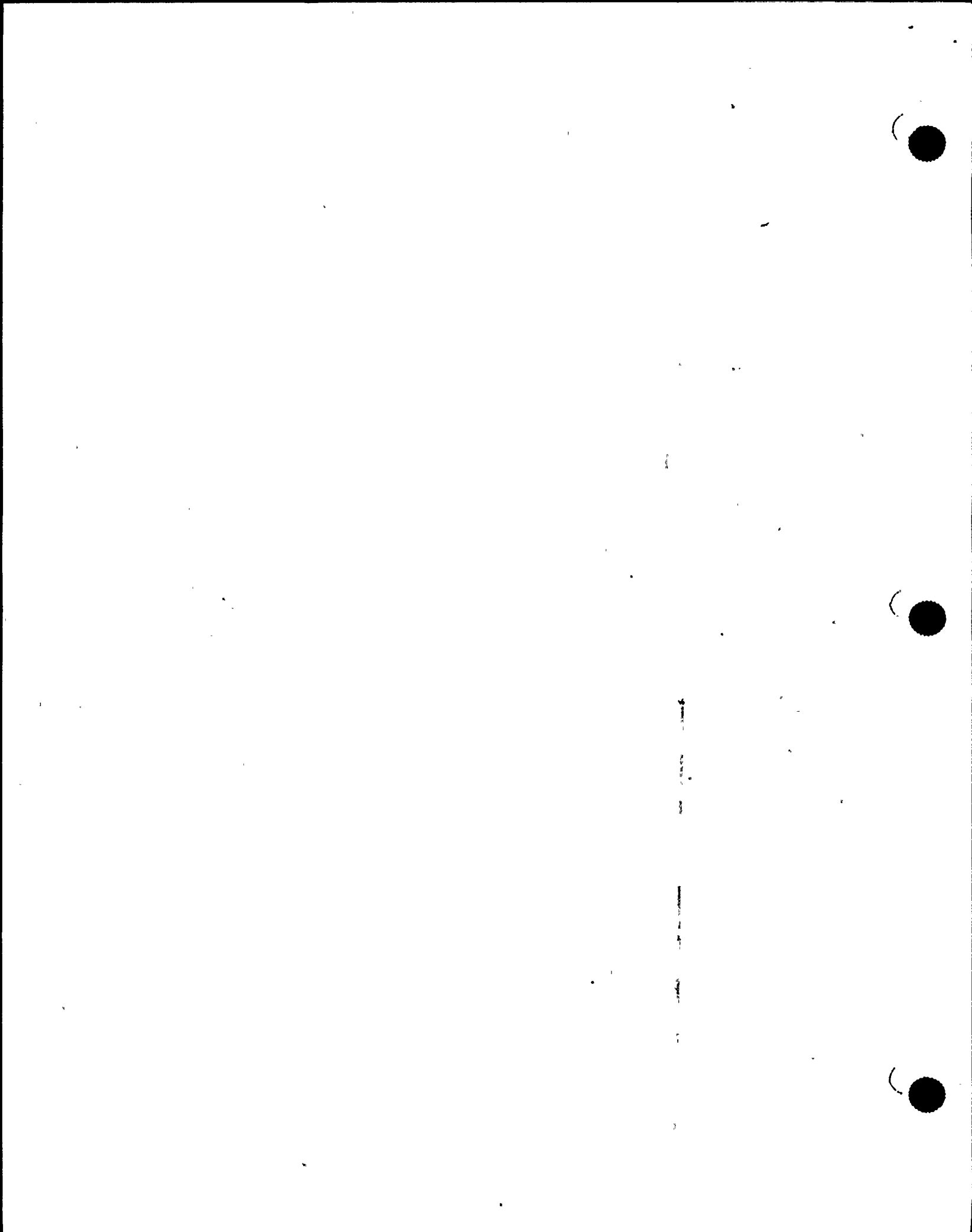
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-13-H4	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-13-H4	1993	REPLACEMENT	NO



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

1. Owner Pennsylvania Power & Light Co.
Name

Date JANUARY 23, 1994

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 3

2. Plant Susquehanna Steam Electric Station
Name

Unit Common

PO Box 467, Berwick, PA 18603
Address

PMR 90-3108E, Work Authorizations C23226, C23227, C23228, & C23512
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	DRAVO	N/A	N/A	HBD-3300-H3	1987	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22821	N/A	HBD-3300-H3	1982	REPLACED	N/A
PIPE SUPPORT	DRAVO	N/A	N/A	HBC-3302-H5	1987	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22816	N/A	HBC-3302-H5	1982	REPLACED	N/A
PIPE SUPPORT	DRAVO	N/A	N/A	HBC-3303-H4	1987	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	07074	N/A	HBC-3303-H4	1978	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
Other Pressure _____ psf 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

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 2/27 19 94
2/4/94 Owner or Owner's Designee, Title VP-Nuc 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 7/10/93 to 2/28/94, 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.

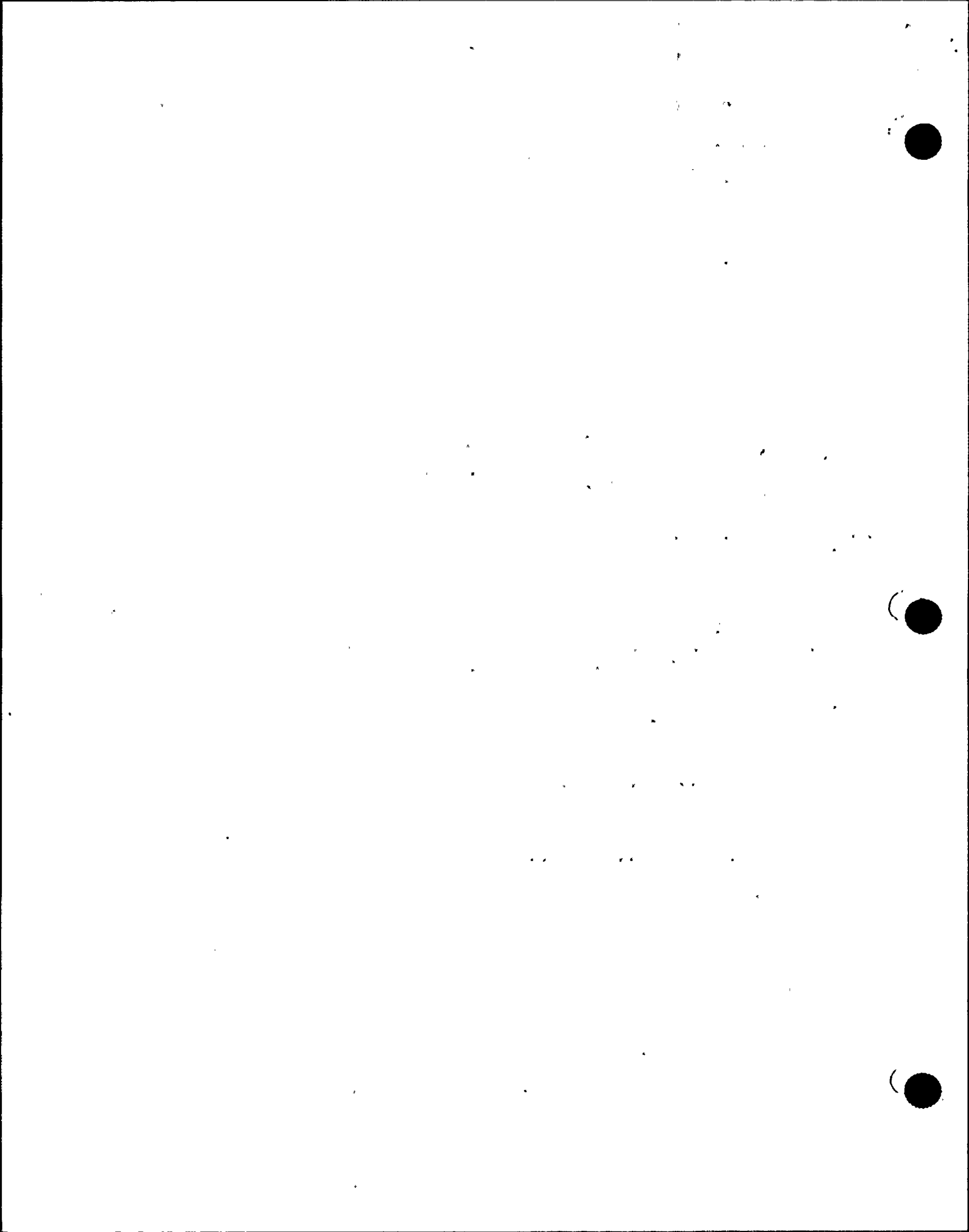
[Signature] Commissions NB7866 PA WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements
Date Feb 28 19 94

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 JANUARY 23, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 3
Address
2. Plant Susquehanna Steam Electric Station Unit Common
Name
PO Box 467, Berwick, PA 18603 PMR 90-3108E, Work Authorizations C23226, C23227,
Address C23228, & C23512
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	PP&L	N/A	N/A	HBC-3303-H4	1993	REPLACEMENT	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-3302-H13	1993	REPLACEMENT	NO
PIPE SUPPORT	DRAVO	N/A	N/A	HBC-3302-H10	1987	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-3302-H10	1993	REPLACEMENT	NO
PIPE SUPPORT	DRAVO	N/A	N/A	HBC-3303-H3	1987	REPLACED	NO
PIPE SUPPORT	DRAVO	N/A	N/A	HBC-3302-H9	1987	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-3302-H9	1993	REPLACEMENT	NO
PIPE SUPPORT	DRAVO	N/A	N/A	HBC-3300-H8	1987	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06978	N/A	HBC-3300-H8	1979	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	HBC-3300-H8	1993	REPLACEMENT	NO
PIPE SUPPORT	DRAVO	N/A	N/A	HBC-3300-H2	1987	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 JANUARY 23, 1994

Sheet 3 of 3

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

Unit Common
 PMR 90-3108E, Work Authorizations C23226, C23227,
 C23228, & C23512
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System DIESEL GENERATOR SYSTEM 024A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	07000	N/A	HBC-3300-H2A	1979	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06890	N/A	HBC-3300-H2B	1979	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	HBC-3300-H2	1993	REPLACEMENT	NO
PIPE SUPPORT	DRAVO	N/A	N/A	HBC-3301-H2	1987	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-3301-H2	1993	REPLACEMENT	NO

FORM NIS-2 (Back)

9. Remarks VALVE 1RV-AP-034101E NPV-1 FORM ATTACHED.

Applicable Manufacturer's Data Reports to be attached

Code for Valve 1RV-AP-034101E is ASME Section III 1974 Edition, No Addenda.

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 2/27 19 94
2/4/94 Owner or Owner's Designee, Title VP-Nuc 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 3/10/93 to 2/28/94, 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 PA WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements
Date Feb 28 19 94

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 January 27, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit Common
Name
PO Box 467, Berwick, PA 18603 DCP 92-3015E
Address WA's C23513, C23514 and C23515
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System DIESEL GENERATORS, 024A, CLASS III

5. (a) Applicable Construction Code III 19 80 Edition, thru S'81 Addenda, N316 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

"E" D/G JACKET WATER TE-03416E THERMOWELL	MORRISON KNUDSON	N/A	N/A	TE-03416E THERMOWELL	1985	REPAIR	YES
---	------------------	-----	-----	----------------------	------	--------	-----



Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	ASME-SA		
9E0947	194 Gr. 8	Nova Machine	Hex Nut (all valves)
9E0947	193 Gr. B8	Nova Machine	Hex HD. Cap SCF
			*(all valves)
(d) Other Parts	ASME-SA		
RET	479 Type 316	Neles-Jamesbury	Ball (all valves)

9. Hydrostatic test 425 psi. Disk Differential test pressure _____ psi. NC-334123-01AC, 01AD, 01AE, 01AF

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. I, Edition 1974.

Addenda NONE (Date) Code Case No. NONE Date 7 Feb. 92

Signed Neles-Jamesbury, Inc. by Donald P. Parker
(Certificate Holder)

Our ASME Certificate of Authorization No. N-1228 to use the N symbol expires Oct. 27, 1993
(M) (Date)

CERTIFICATION OF DESIGN

Design information on file at Pennsylvania Power & Light Co., Two North Ninth St., Allentown PA 18101

Stress analysis report (Class T-only) on file at N/A

Design specifications certified by (1) Dale Stattar
 PE State PA Reg. No. PE 019525E

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 MASS and employed by Protection Mutual of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 2-7 19 92, 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 2-7 19 92 Commissions Ma #1287 PAWC# 2757
TCM/legre (Inspector) Factory Mutual Systems
(Not'l Bd., State, Prov. and No.)
PP&L Doc No. 45

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 15 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 3
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020A, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CONTROL STRUCTURE CHILLED WATER 0300 CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-13-H15	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08317	N/A	HRC-13-H15	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-14-H19	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	04575	N/A	HRC-14-H19	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-14-H20	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03134	N/A	HRC-14-H20	1978	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 Other Pressure _____ psf 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 CALC. #'s SR-1572, SR-1574, & SR-1575

Applicable Manufacturer's Data Reports to be attached

WA #'s C33046, C33047, C33048, & C33049

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 2/27, 19 94
Owner or Owner's Designee, Title NP-Nuc 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 8/9/93 to 2/28/94, 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 Ann
Inspector's Signature National Board, State, Province, and Endorsements
Date 2/28 19 94

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 15 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 3
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020A, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CONTROL STRUCTURE CHILLED WATER 0300 CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-22-H7	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	04255	N/A	HRC-22-H7	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-22-H16	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	18573	N/A	HRC-22-H16	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-22-H18	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	18557	N/A	HRC-22-H18	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-17-H4	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	26081	N/A	HRC-17-H4	1986	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-17-H5	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	18578	N/A	HRC-17-H5	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-17-H6	1982	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co.
Name

Date 15 JANUARY, 1994

Two North Ninth St., Allentown, PA 18101
Address

Sheet 3 of 3

2. Plant Susquehanna Steam Electric Station
Name

Unit One

PO Box 467, Berwick, PA 18603
Address

DCP 92-3020A, WA #'s SEE REMARKS

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

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System CONTROL STRUCTURE CHILLED WATER 0300 CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	PP&L	N/A	N/A	HRC-17-H6	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	17217	N/A	HRC-17-H6	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-22-H10	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HRC-22-H10	1993	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date February 3, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit COMMON
Name
PO Box 467, Berwick, PA 18603 PMR # 91-3033A / WA'S C23173, C23174, C23175,
Address AND C23215
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER, 054A, CLASS III

5. (a) Applicable Construction Code III; SEE REMARKS 19 71 Edition, thru W72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
CORROSION PROBE ROOT VALVE	TUFLINE	83590B-2	N/A	RV-AE-01126	1976	REPLACEMENT	YES
LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-10-3	1982	REPLACED	YES
LARGE PIPE SUB-ASSEMBLY	PP&L	N/A	N/A	HRC-10-3	1992	REPLACEMENT	NO
SMALL PIPE SUB-ASSEMBLY	PP&L	N/A	N/A	SP-HRC-10-3	1992	REPLACEMENT	NO

7. Description of Work INSTALL NEW CORROSION PROBE AND ISOLATION VALVE DOWNSTREAM OF ESW PUMP 0P504A.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 188 psi Test Temp. AMBIENT °F

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

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORT(S) ATTACHED

Applicable Manufacturer's Data Reports to be attached

CONSTRUCTION CODE FOR TUFLINE VALVES-IS ASME SECTION III 1974 EDITION, NO ADDENDA

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 2/27 19 94
Owner or Owner's Designee, Title VP-NUC, OPERATIONS

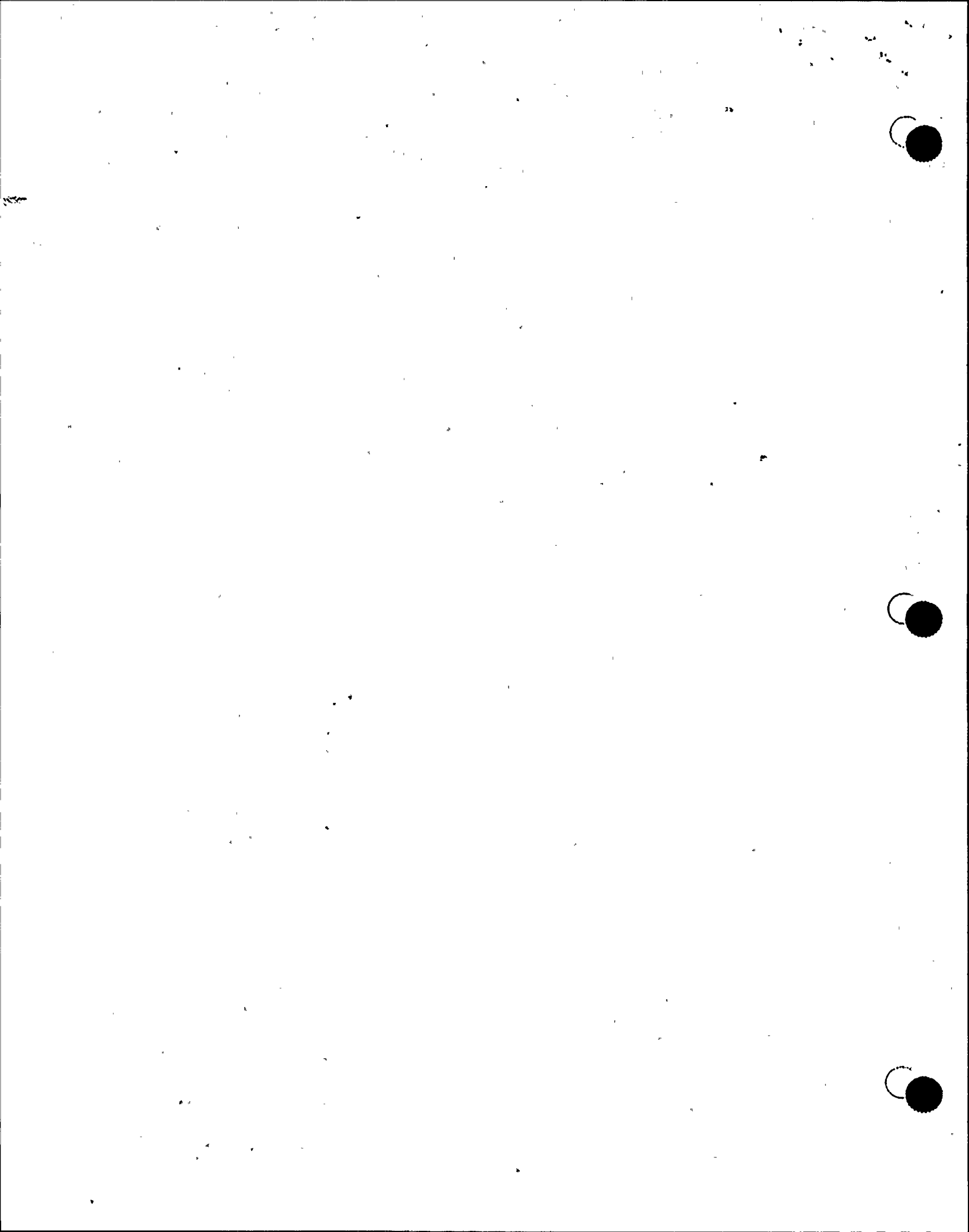
CERTIFICATION OF INSERVICE INSPECTION

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 11/10/93 to 2/28/94, 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 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28/94 19 94



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 February 3, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit COMMON
Name
 PO Box 467, Berwick, PA 18603 PMR # 91-3033B / WA'S C23176, C23177, C23179,
Address AND C23217
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER, 054A, CLASS III

5. (a) Applicable Construction Code III: SEE REMARKS 19 71 Edition, thru W72 Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

CORROSION PROBE ROOT VALVE	TUFLINE	810348-1	N/A	RV-AE-01130	1976	REPLACEMENT	YES
LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-4-1	1982	REPLACED	YES
LARGE PIPE SUB-ASSEMBLY	PP&L	N/A	N/A	HRC-4-1	1992	REPLACEMENT	NO
SMALL PIPE SUB-ASSEMBLY	PP&L	N/A	N/A	SP-HRC-4-2	1992	REPLACEMENT	NO

7. Description of Work INSTALL NEW CORROSION PROBE AND ISOLATION VALVE AT THE 'E' EDG BUILDING ESW RETURN HEADER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 198 psi Test Temp. 86 °F

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

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORT(S) ATTACHED

Applicable Manufacturer's Data Reports to be attached

CONSTRUCTION CODE FOR TUFLINE VALVES IS ASME SECTION III 1974 EDITION, NO ADDENDA

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 CBS [Signature] Date 2/27, 19 94
Owner or Owner's Designer, Title VP-NUC. 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 11/16/93 to 2/28/94, 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 PAUC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements
Date 2/28 19 94

FOREIGN MANUFACTURERS DATA REPORT FOR NUCLEAR PUMP OR VALVES

P-19-0
10F23

As Required by the Provisions of the ASME Code Rules

Tufline Division

1. Manufactured by Xomox Corporation - Cincinnati, Ohio Order No. E-51503
(Name & Address of Manufacturer)

2. Manufactured for Bechtel Power Corporation Order No. 8856-P-19-AC
(Name and Address) Rev. 2

3. Owner Pennsylvania Power & Light Co.

4. Location of Plant Susquehanna Station - Berwick, PA

5. Pump or Valve Identification Our Item #2, Bechtel Item #3.4 - Two (2) Valves
2" 0696SW 316/316 ASTM A351 GR CF8M Body & Plug, ASTM A479 Type 316
(Brief description of service for which equipment was designed)
Stem w/UHMW Polyethylene Sleeve, w/SCH 40S. AO #G4531, Product Code -
810348-1 & -2, Tag: 2"-ECC-PL Prepared by R. G. Smith
(a) Drawing No. 24188-B-24189-C

(b) National Board No. None

6. Design Conditions 1153 psi 150 °F
(Pressure) (Temperature)

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

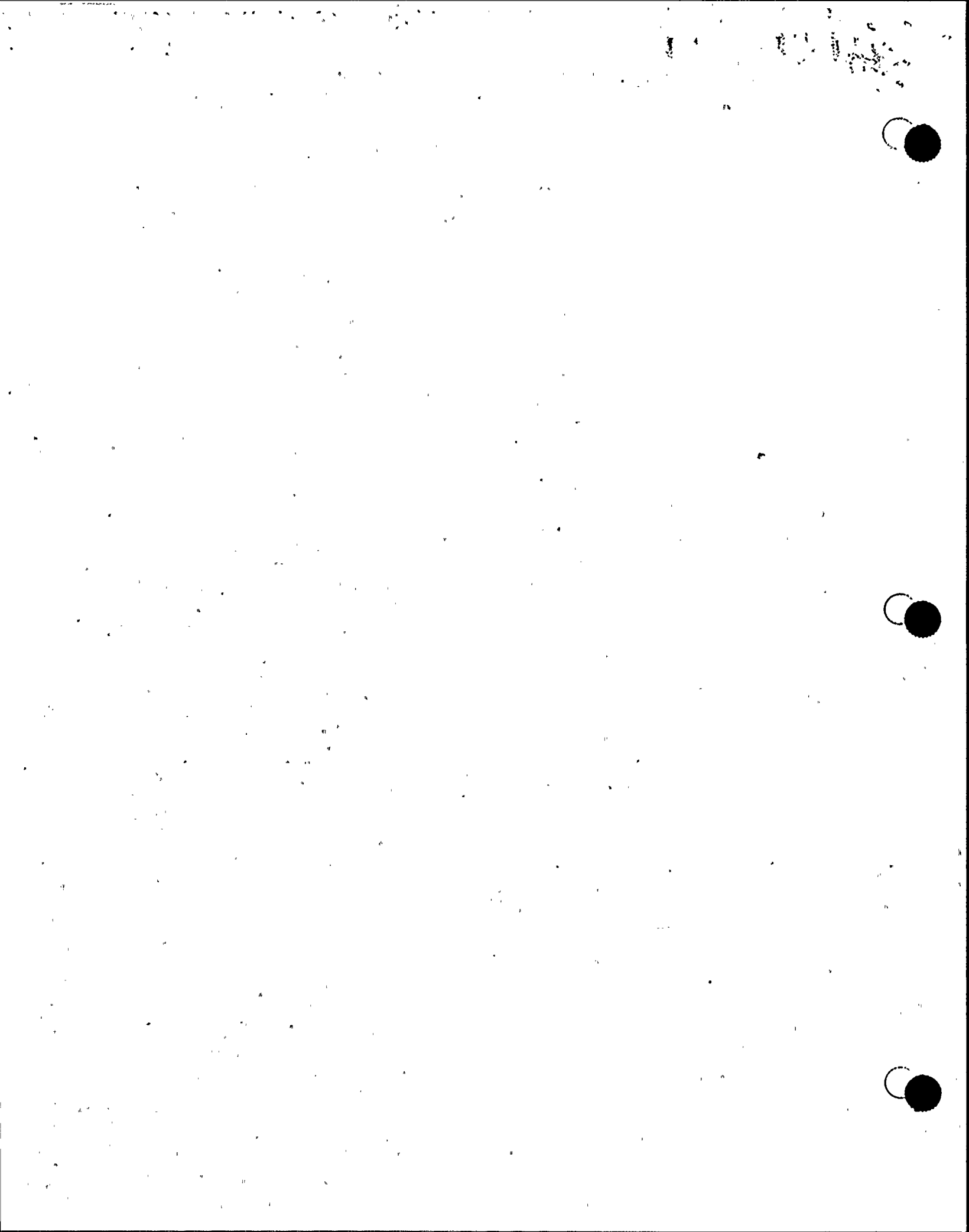
Edition 1974, Addenda Date None, Case No. None

RECORD COPY

10-0460

Heat #	(a) Castings	Mark No.	Material Spec. No.	Manufacturer	Remarks
5566E-2	1 pc. Body		ASME SA351 CF8M	Lebanon Steel Foundry	
2210B-46	1 pc. Plug		ASTM A351 CF8M	Lebanon Steel Foundry	
2257B-50	1 pc. Cover		ASME SA351 CF8M	Lebanon Steel Foundry	
5563E-1	1 pc. Body		ASME SA351 CF8M	Lebanon Steel Foundry	
2210B-59	1 pc. Plug		ASTM A351 CF8M	Lebanon Steel Foundry	
2257B-32	1 pc. Cover		ASME SA351 CF8M	Lebanon Steel Foundry	
	(b) Forgings				

*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.



Heat # (c) Bolting
C-139
S423

Mark No.	Material Spec. No.	Manufacturer	Remarks
Nuts	ASME-SA194-8	Allmetal Screw Products	
Studs	ASME-SA193-88	Allmetal Screw Products	
(d) Other Parts			

8. Hydrostatic test 1875 psi.

CERTIFICATION OF DESIGN

Design information on file at Tufline Division of Xomox Corporation
 Stress analysis report on file at _____
 Design specifications certified by _____ (I) Prof. Eng. State _____ Reg. No. _____
 Stress analysis report certified by B. H. Leonard, Jr. (I) Prof. Eng. State Texas Reg. No. 25165
 (1) Signature not required. List name only.

We certify that the statements made in this report are correct.
 Date June 7 19 76 Signed Tufline Division Xomox Corporation By G. W. Fischer
 (Manufacturer)
 Certificate of Authorization No. N 1086 expires 5/6/78

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 _____ and employed by Commercial Union Ins. of Boston, Massachusetts have inspected the equipment described in this Data Report on 6-10 19 76, 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 6-10 19 76
Robert E. Braun (Inspector) Commissions NB 43 PC (National Board, State, Province and No.)

RECORD COPY

8 2 3 6 1 9 3 9 H 6

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 February 18, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP 90-3108H, C23305, C33452
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System System 054B-III, Emergency Service Water

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components Snubber elimination

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)
Pipe Support	Bechtel	NA	NA	HRC-2-H9	1982	Replaced	N
Pipe Support	Bechtel	NA	NA	HRC-2-H20	1982	Replaced	N
Pipe Support	Bechtel	NA	NA	HRC-2-H22	1982	Replaced	N
Pipe Support	Bechtel	NA	NA	HRC-2-H26	1982	Replaced	N
Pipe Support	Bechtel	NA	NA	JRD-32-H2	1982	Replaced	N
Pipe Support	Bechtel	NA	NA	JRD-32-H4	1982	Replaced	N

7. Description of Work Snubber Elimination

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure None Required
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 2/27 19 94
Owner or Owner's Designee, Title VP-Nuc 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 10/29/93 to 2/28/94, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 94

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 February 18, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 2
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP 90-3108H, C23305, C33452
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System System 054B-III, Emergency Service Water
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W81
6. Identification of Components Repaired or Replaced and Replacement Components Snubber elimination

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

Mechanical Snubber	Pacific Scientific	457	NA	HRC-2-H9	1977	Replaced	NA
Mechanical Snubber	Pacific Scientific	17220	NA	HRC-2-H20	1981	Replaced	NA
Mechanical Snubber	Pacific Scientific	3484	NA	HRC-2-H22	1978	Replaced	NA
Mechanical Snubber	Pacific Scientific	19501	NA	HRC-2-H26	1981	Replaced	NA
Mechanical Snubber	Pacific Scientific	17235	NA	JRD-32-H2	1981	Replaced	NA
Mechanical Snubber	Pacific Scientific	21563	NA	JRD-32-H4	1982	Replaced	NA

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 February 2, 1994

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit ONE

PO Box 467, Berwick, PA 18603
Address

PMR 90-9095 WA's C33305, C33306, C33307

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

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System CONTAINMENT INSTRUMENT GAS SYSTEM 125A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80 * SEE REMARKS

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" MANUAL ISO VALVE	BORG WARNER	19436	NA	1-26-015	1976	REPLACED	YES
1" MANUAL ISO VALVE	YARWAY	C0766	NA	1-26-015	1990	REPLACEMENT	YES
PCV	TARGET ROCK	75KK-401-3	NA	PCV-12643	1980	REPLACED	YES
PCV VALVE ASSEMBLY	VALCOR	SN # 1	NA	PCV-12643	1993	REPLACEMENT	YES
1" MANUAL ISO VALVE	BORG WARNER	19699	NA	1-26-026	1977	REPLACED	YES
1" MANUAL ISO VALVE	YARWAY	C0697	NA	1-26-026	1990	REPLACEMENT	YES

7. Description of Work Install new Manual Iso Viv and new PCV Valve Assembly

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X
 Other Pressure 2200 Inlet 150 Outlet psi Test Temp. 80 °F

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

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORT(S) ATTACHED

Applicable Manufacturer's Data Reports to be attached

* Seal and stem assembly for existing PCV 12648 that were replaced during maintenance work were not code items as documented on NCR 94-025.

Construction code for Valcor PCV's and 1" Yarway valves is ASME Section III 1986 Edition, no addenda

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 2/27 19 94
Owner or Owner's Designee, Title VICE PRESIDENT -NUCLEAR OPS.

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 10/10/93 to 2/28/94, 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 Feb 28 19 94

**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 February 2, 1994
 Sheet 2 of 2

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

Unit ONE
 PMR 90-9095 WA's C33305, C33306, C33307
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System CONTAINMENT INSTRUMENT GAS SYSTEM 125A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 * SEE REMARKS

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

* PCV	TARGET ROCK	75KK-401-1	NA	PCV-12648	1980	REPLACED	YES
PCV VALVE ASSEMBLY	VALCOR	SN # 2	NA	PCV-12648	1993	REPLACEMENT	YES
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-CCC-101-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-CCC-101-1	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HCC-101-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HCC-101-1	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-CCC-102-3	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-CCC-102-3	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HCC-139-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HCC-139-1	1993	REPLACEMENT	NO

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 G1. 2 Disk AMS5385E Bolting N/A
SA-564 Gr. 630 NSH (ASME) 9/1/85

(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 heat code for each piece listed.		
C0597				
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.

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)

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 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 Am. Hinks *Factory Mutual System
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

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 C1-2 Disk AMS5385E Bolting N/A
SA-564 Gr. 630 n34 (ASME) 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.
C0760	---	BA	2906	NC
C0761		All valves listed on this report have the same heat code for each piece listed.		
C0762				
C0766				
C0769				
C0778				
C0783				
C0786				
C0787				
C0788				
C0791				
C0792				
C0794				
C0796				
C0800				
C0801				
C0804				
C0810				
C0812				
C0815				
C0822				
C0823				
C0827				

* 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

FORM NPV-1 (back)

8. Remarks Nuclear Service Valves, Qty. 23

Bonnet (column d) is replaced by backseat bushing in this valve design.

9. Design conditions --- psi --- °F or valve pressure class 1500
(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)

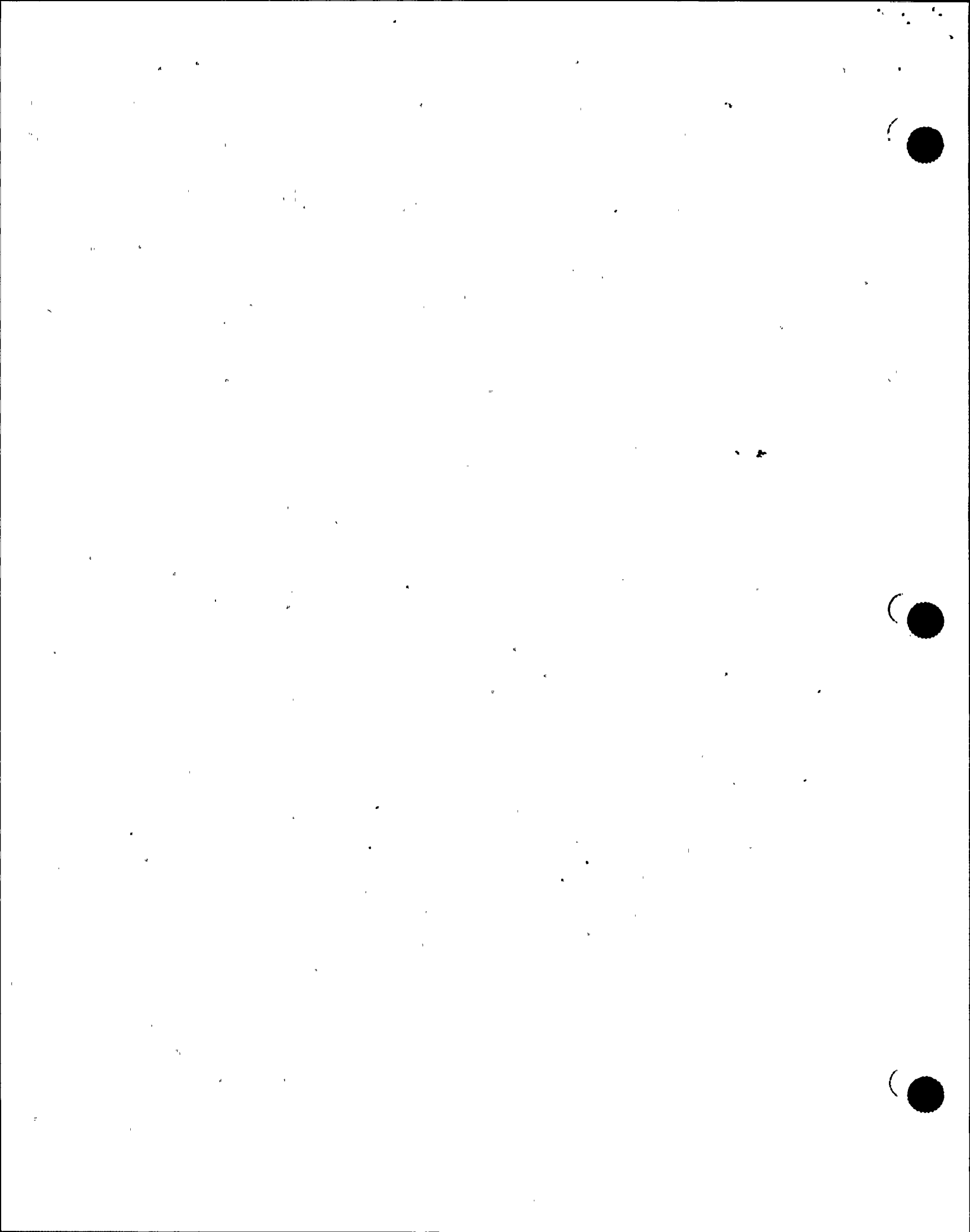
CERTIFICATE OF SHOP INSPECTION

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

(1) For manually operated valves only.



FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. 1 thru 6

8. Design conditions 3403 (pressure) psi 139 (temperature) °F or valve pressure class N/A (1)

9. Cold working pressure 3600 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 Penn Reg. no. 019525-E
Design Report certified by P.E. State Reg. no.

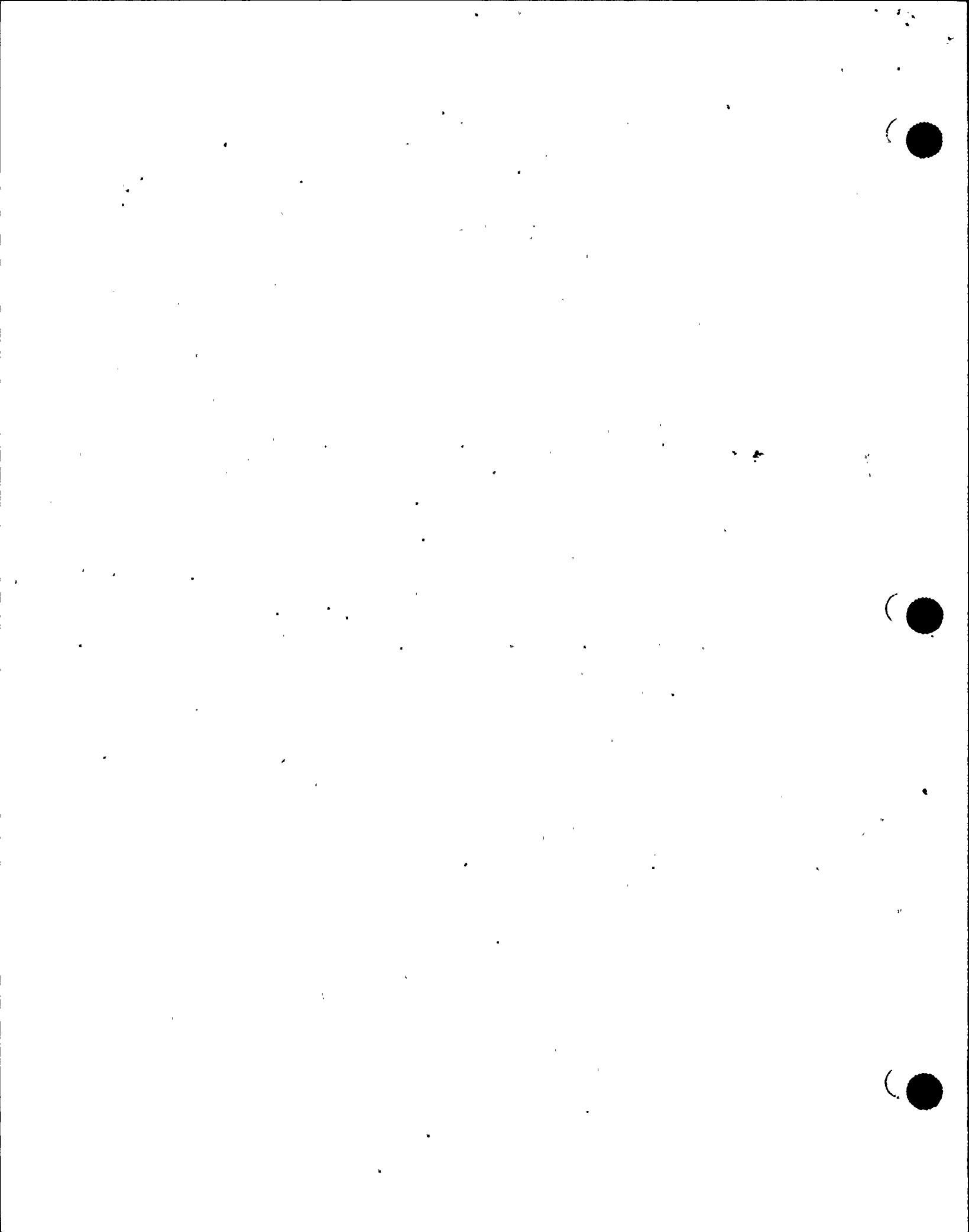
CERTIFICATE OF COMPLIANCE

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
Certificate of Authorization No. Expires 5/6/93
Date 12/16/92 Name Valcor Engineering Corp. Signed (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New 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 NF 820 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.



FORM NIS-2 (Back)

9. Remarks CALC. PLS-924

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 11/4/93 to 2/28/94, 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 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 94

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 JANUARY 26, 1994

Sheet 1 of 3

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

Unit One

 PMR 92-3020F / Work Authorizations C33172, C33190, C33191, C33192, & C33197
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System Fuel Pool Cooling & Clean - Up System 135B Class III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-117-H3	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-117-H3	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-117-H2	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	04583	N/A	HBC-117-H2	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-117-H5	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-117-H5	1993	REPLACEMENT	NO

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 The following later edition / addenda of the original construction code and new code case were
Applicable Manufacturer's Data Reports to be attached
used in the design of this modification: ASME Section III, 1977 Edition through summer 1979 Addenda.
(Subsection NC/ND-2658.3, Analysis of flanged joints) & (Subsection NB-3650 Nuclear Class 1 evaluation
only), Code Case N-411, Alternate Damping Values for Seismic Analysis of Class 1, 2, & 3 Piping Section
III Division 1.

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 2/27, 19 94
[Signature] Owner or Owner's Designee, Title VP-Nuc 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 2/17/93 to 3-1-94, 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 PA WC 24612 AN11
Inspector's Signature National Board, State, Province, and Endorsements

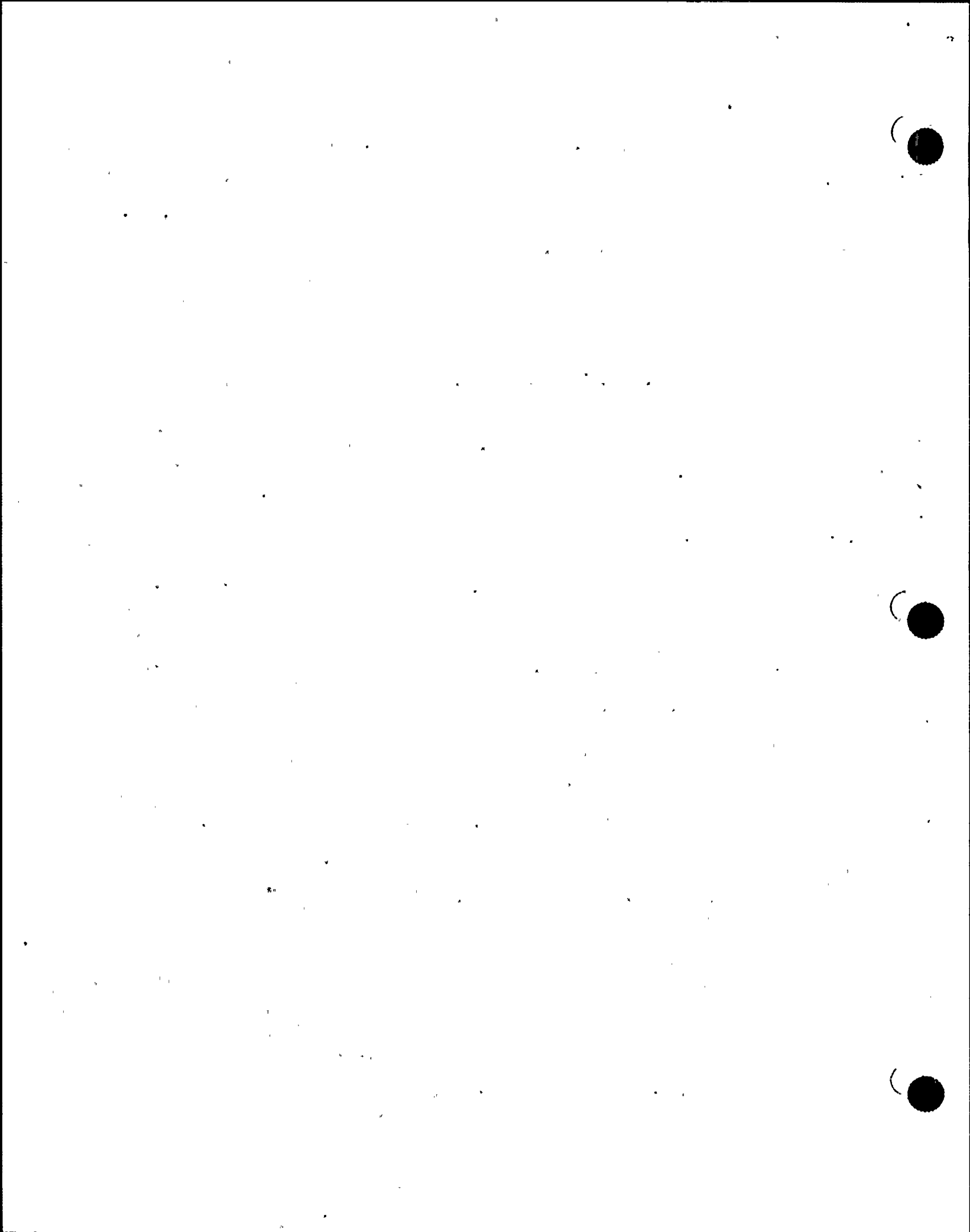
Date March 1 19 94

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 JANUARY 26, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 3
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020F / Work Authorizations C33172, C33190, C33191, C33192, & C33197.
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Fuel Pool Cooling & Clean - Up System 135B Class III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-117-H6	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBC-117-H6	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-117-H7	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06812	N/A	HBC-117-H7	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-117-H8	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	20804	N/A	HBC-117-H8	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-117-H9	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	14390	N/A	HBC-117-H9	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBC-117-H10	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	00105	N/A	HBC-117-H10	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HCC-106-H10	1982	REPLACED	NO



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 26, 1994
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 3 of 3
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
- PO Box 467, Berwick, PA 18603 PMR 92-3020F / Work Authorizations C33172,
Address C33190, C33191, C33192, & C33197.
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
- Expiration Date N/A
4. Identification of System Fuel Pool Cooling & Clean - Up System 135B Class III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08700	N/A	HCC-106-H10A	1980	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08697	N/A	HCC-106-H10B	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HCC-106-H11	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HCC-106-H11	1993	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co.
Name

Date January 25, 1994

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 8

2. Plant Susquehanna Steam Electric Station
Name

Unit One

PO Box 467, Berwick, PA 18603
Address

DCP 92-3020C C33209, C33210, C33211, C33212,
C33215, C33216, C33217, C33218, C33219, C34065
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM 145A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-106-H2	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01370	N/A	DBD-106-H2	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-106-H3	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	09451	N/A	DBD-106-H3	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-106-H4	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00307	N/A	DBD-106-H4	1980	REPLACED	N/A

7. Description of Work REMOVE SNUBBERS / NO REPLACEMENT / MODIFY SUPPORTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE X
Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks

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 2/27 19 94
Owner or Owner's Designee, Title P-Nuc 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 6/12/93 to 2/28/94, 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 24612 AK11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 94

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 January 25, 1994
Name

Two North Ninth St., Allentown, PA 18101 Sheet 2 of 8
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name

PO Box 467, Berwick, PA 18603 DCP 92-3020C C33209, C33210, C33211, C33212,
Address C33215, C33216, C33217, C33218, C33219, C34065
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name

Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address

Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM 145A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-106-H5	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02110	N/A	DBD-106-H5A	1977	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	08486	N/A	DBD-106-H5B	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-105-H10	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01169	N/A	DBD-105-H10	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-105-H11	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01153	N/A	DBD-105-H11A	1977	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	01157	N/A	DBD-105-H11B	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-105-H13	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16845	N/A	DBD-105-H13	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-105-H16	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

Date January 25, 1994

Two North Ninth St., Allentown, PA 18101
Address

Sheet 3 of 8

2. Plant Susquehanna Steam Electric Station
Name

Unit One

PO Box 467, Berwick, PA 18603
Address

DCP 92-3020C C33209, C33210, C33211, C33212,
C33215, C33216, C33217, C33218, C33219, C34065
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM 145A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	08557	N/A	DBD-105-H16A	1980	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	14785	N/A	DBD-105-H16B	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-105-H17	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02510	N/A	DBD-105-H17	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-105-H18	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21559	N/A	DBD-105-H18	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H38	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08605	N/A	DBD-101-H38	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H52	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02798	N/A	DBD-101-H52	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H59	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

Date January 25, 1994

Two North Ninth St., Allentown, PA 18101
Address

Sheet 6 of 8

2. Plant Susquehanna Steam Electric Station
Name

Unit One

PO Box 467, Berwick, PA 18603
Address

DCP 92-3020C C33209, C33210, C33211, C33212, C33215, C33216, C33217, C33218, C33219, C34065
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM 145A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H32	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-101-H32	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H33	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-101-H33	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H49	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-101-H49	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	GBD-122-H4	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	GBD-122-H4	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H40	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-101-H40	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H57	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 January 25, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 7 of 8
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020C C33209, C33210, C33211, C33212,
Address C33215, C33216, C33217, C33218, C33219, C34065
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM 145A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	PP & L	N/A	N/A	DBD-101-H57	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H58	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-101-H58	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H36	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-101-H36	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H41	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00149	N/A	DBD-101-H41	1981	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	DBD-101-H41	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08622	N/A	DBD-101-H41	1981	REPLACEMENT	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H51	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-101-H51	1993	REPLACEMENT	NO

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS¹
As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light Co.
Name

Date January 25, 1994

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 8 of 8

2. Plant Susquehanna Steam Electric Station
Name

Unit One

 PO Box 467, Berwick, PA 18603
Address

 DCP 92-3020C C33209, C33210, C33211, C33212,
C33215, C33216, C33217, C33218, C33219, C34065
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM 145A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H53	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-101-H53	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-105-H7	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-105-H7	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-105-H14	1982	REPLACED	NO
PIPE SUPPORT	PP & L	N/A	N/A	DBD-105-H14	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08695	N/A	DBD-105-H14	1980	REPLACEMENT	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H54	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBD-101-H54	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H55	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBD-101-H55	1993	REPLACEMENT	NO

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

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

Date February 4, 1994

Sheet 1 of 1

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

Unit ONE

PMR # 93-9012 / WA'S # C33273 & C33274
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM, 145A, CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
FEEDWATER CIV SOFT SEAT RETAINING RING CAPSCREWS	PP&L	N/A	N/A	HV-141F032A	1990	REPLACED	NO
FEEDWATER CIV SOFT SEAT RETAINING RING HEX HEAD BOLTS	PP&L	N/A	N/A	HV-141F032A	1993	REPLACEMENT	NO
FEEDWATER CIV SOFT SEAT RETAINING RING CAPSCREWS	PP&L	N/A	N/A	HV-141F032B	1990	REPLACED	NO
FEEDWATER CIV SOFT SEAT RETAINING RING HEX HEAD BOLTS	PP&L	N/A	N/A	HV-141F032B	1993	REPLACEMENT	NO

7. Description of Work REPLACED EXISTING #8-32 SOFT SEAT RETAINING RING CAPSCREWS WITH 5/16-18 HEX HEAD BOLTS. TACK WELDED NEW HEX HEAD BOLTS TO VALVE DISCS.

8. Tests Conducted: Hydrostatic Pneumatic Other Nominal Operating Pressure VT-94-024
Pressure 1025 psi Test Temp. 500 °F

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

FORM NIS-2 (Back)

9: Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 2/27 19 94
Owner or Owner's Designee, Title VP-NUC. 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 12/1/93 to 2/28/94, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 94

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 January 25, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 8
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603
Address
DCP 92-3020C C33209, C33210, C33211, C33212, C33215, C33216, C33217, C33218, C33219, C34065
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM 145A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H65	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01170	N/A	DBD-101-H65	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H66	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00389	N/A	DBD-101-H66	1976	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H68	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02583	N/A	DBD-101-H68A	1978	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	02572	N/A	DBD-101-H68B	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H69	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00900	N/A	DBD-101-H69	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBD-101-H94	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08622	N/A	DBD-101-H94	1981	REPLACED	N/A

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

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

Date JANUARY 27, 1994

Sheet 1 of 19

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

Unit One

 PMR 92-3020F / SEE REMARKS FOR WORK
AUTHORIZATION NUMBERS
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H3	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	00572	N/A	HBB-110-H3	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H37	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	07524	N/A	HBB-110-H37	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H38	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	04607	N/A	HBB-110-H38	1978	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 WA C33160, C33161, C33164, C33165, C33163, C33167, C33177, C33162, C33170, C33171,

Applicable Manufacturer's Data Reports to be attached

C33174, C33175, C33180, C33181, C33182, C33183, C33184, C33193, C33196, C33202, C33194

C33189, C33178, C33166, C33168, C33176, C33185, C33186, C33188, C33195, C33198

The following later edition / addenda of the original construction code and new code case were used in the design of this modification: ASME Section III, 1977 Edition through summer 1979 Addenda. (Subsection NC/ND-2658.3, Analysis of flanged joints) & (Subsection NB-3650 Nuclear Class 1 evaluation only), Code Case N-411, Alternate Damping Values for Seismic Analysis of Class 1, 2, & 3 Piping Section III Division 1.

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 2/27, 19 94
Owner of Owner's Designee, Title VP-Nuc 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 6/21/93 to 3/1/94, 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 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1, 19 94

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 JANUARY 27, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

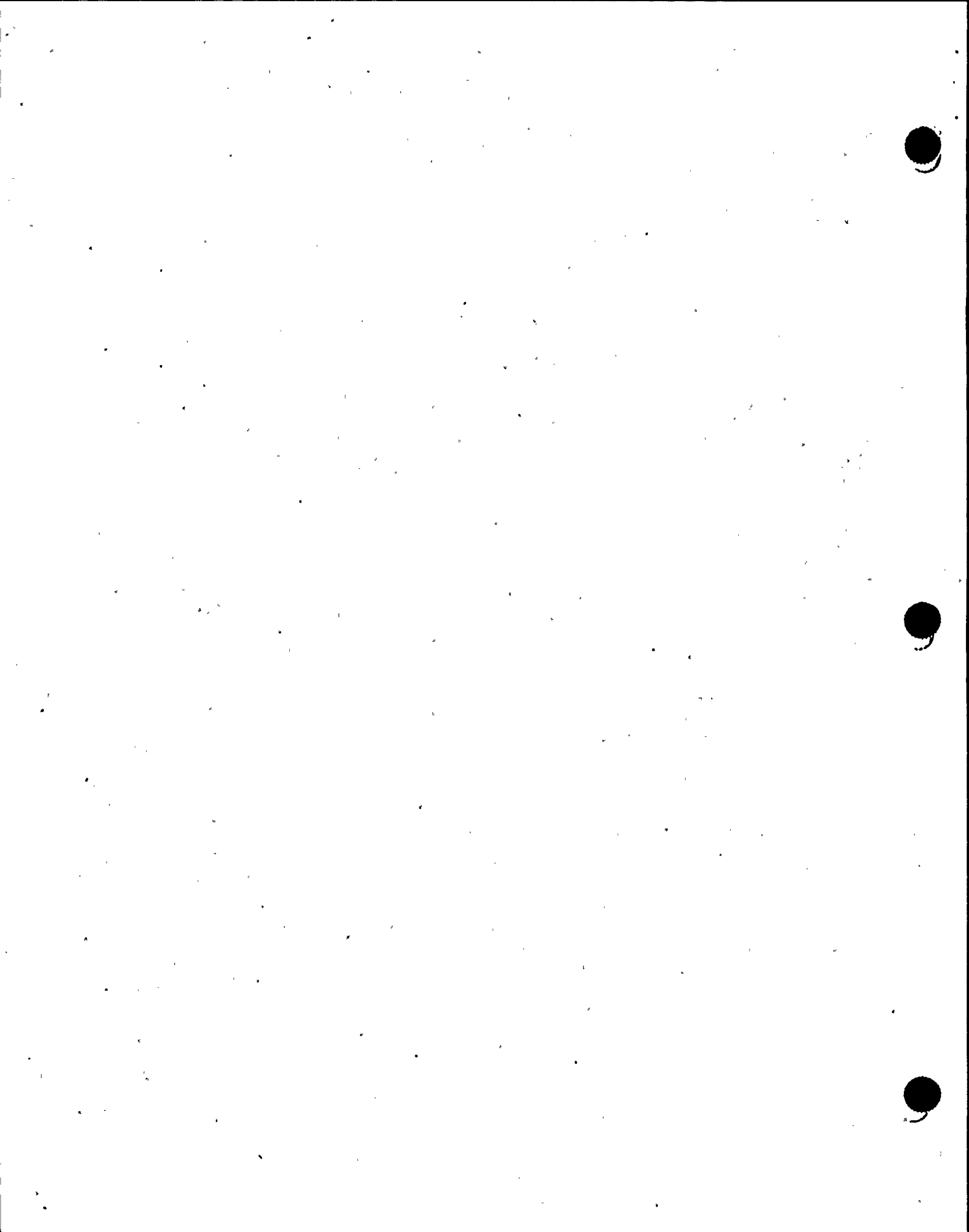
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H43	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	03221	N/A	HBB-110-H43	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H44	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08613	N/A	HBB-110-H44A	1981	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08614	N/A	HBB-110-H44B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H47	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	00557	N/A	HBB-110-H47	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H50	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	12222	N/A	HBB-110-H50	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H5	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	04608	N/A	HBB-111-H5	1978	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

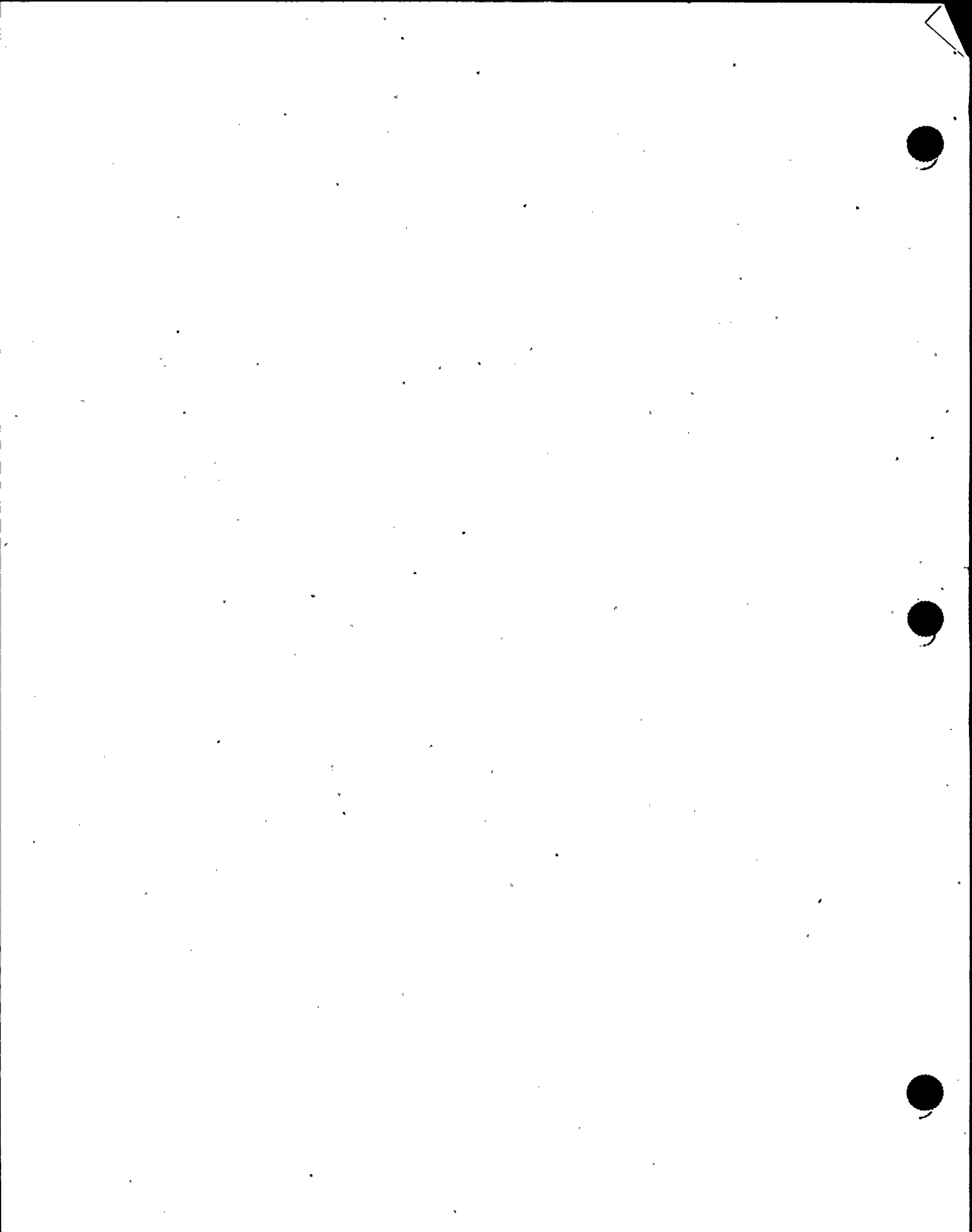
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H31	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08603	N/A	HBB-111-H31A	1981	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08604	N/A	HBB-111-H31B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H12	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01098	N/A	HBB-110-H12	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H35	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	04606	N/A	HBB-110-H35	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H36	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	07536	N/A	HBB-110-H36	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H45	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	03206	N/A	HBB-110-H45	1978	REPLACED	N/A



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

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

Date JANUARY 27, 1994

Sheet 3 of 19

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

Unit One

PMR 92-3020F / SEE REMARKS FOR WORK
AUTHORIZATION NUMBERS
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 Stamp None

Authorization No. N/A

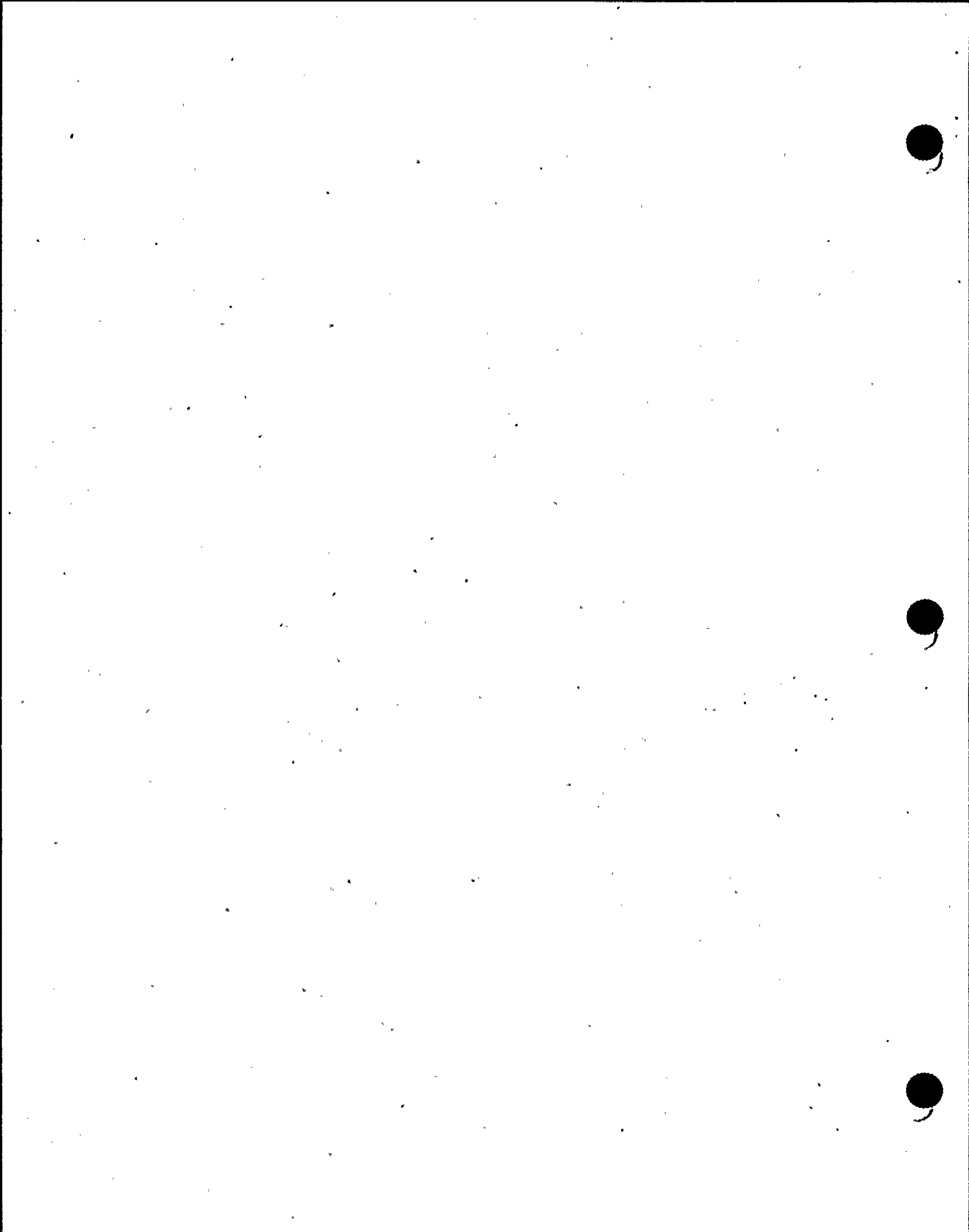
Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H29	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	07538	N/A	HBB-111-H29A	1981	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01328	N/A	HBB-111-H29B	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H21	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01143	N/A	HBB-110-H21	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H33	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	04605	N/A	HBB-110-H33	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H39	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	03067	N/A	HBB-110-H39	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H12	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	03426	N/A	HBB-111-H12	1978	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

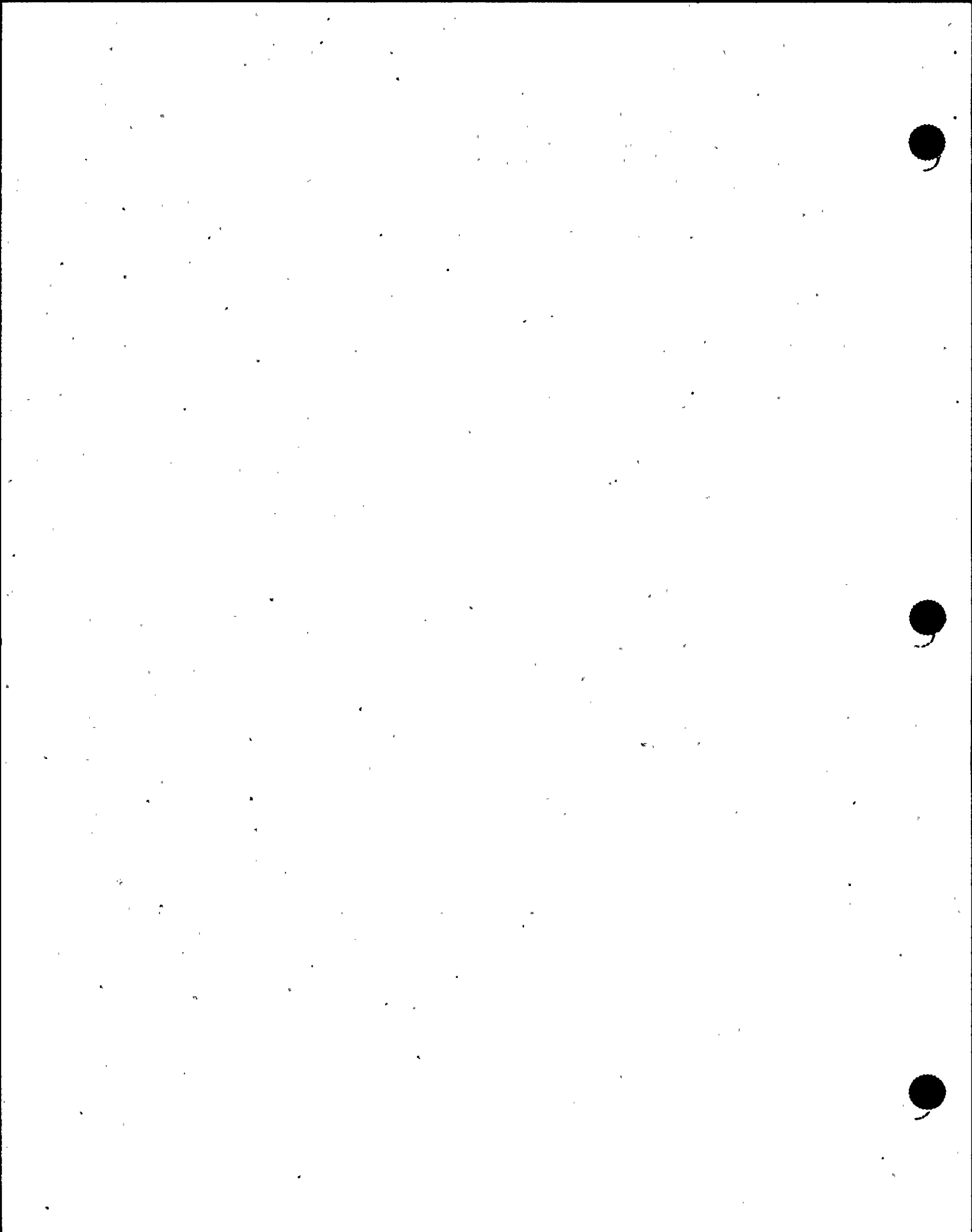
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H23	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	09266	N/A	HBB-111-H23	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H33	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	00968	N/A	HBB-111-H33A	1977	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	02642	N/A	HBB-111-H33B	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H27	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	00945	N/A	HBB-110-H27	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H32	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06070	N/A	HBB-110-H32	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-110-H42	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01641	N/A	HBB-110-H42	1982	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 6 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H15	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	02423	N/A	HBB-111-H15	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H32	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01347	N/A	HBB-111-H32A	1978	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01319	N/A	HBB-111-H32B	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-5063-H2003	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	16406	N/A	SP-HBD-5063-H2003	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-5063-H2015	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23042	N/A	SP-HBD-5063-H2015	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1545-H2000	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23579	N/A	SP-HBD-1545-H2000	1981	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
Two North Ninth St., Allentown, PA 18101
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603
Address
 PMR 92-3020F / SEE REMARKS FOR WORK
 AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

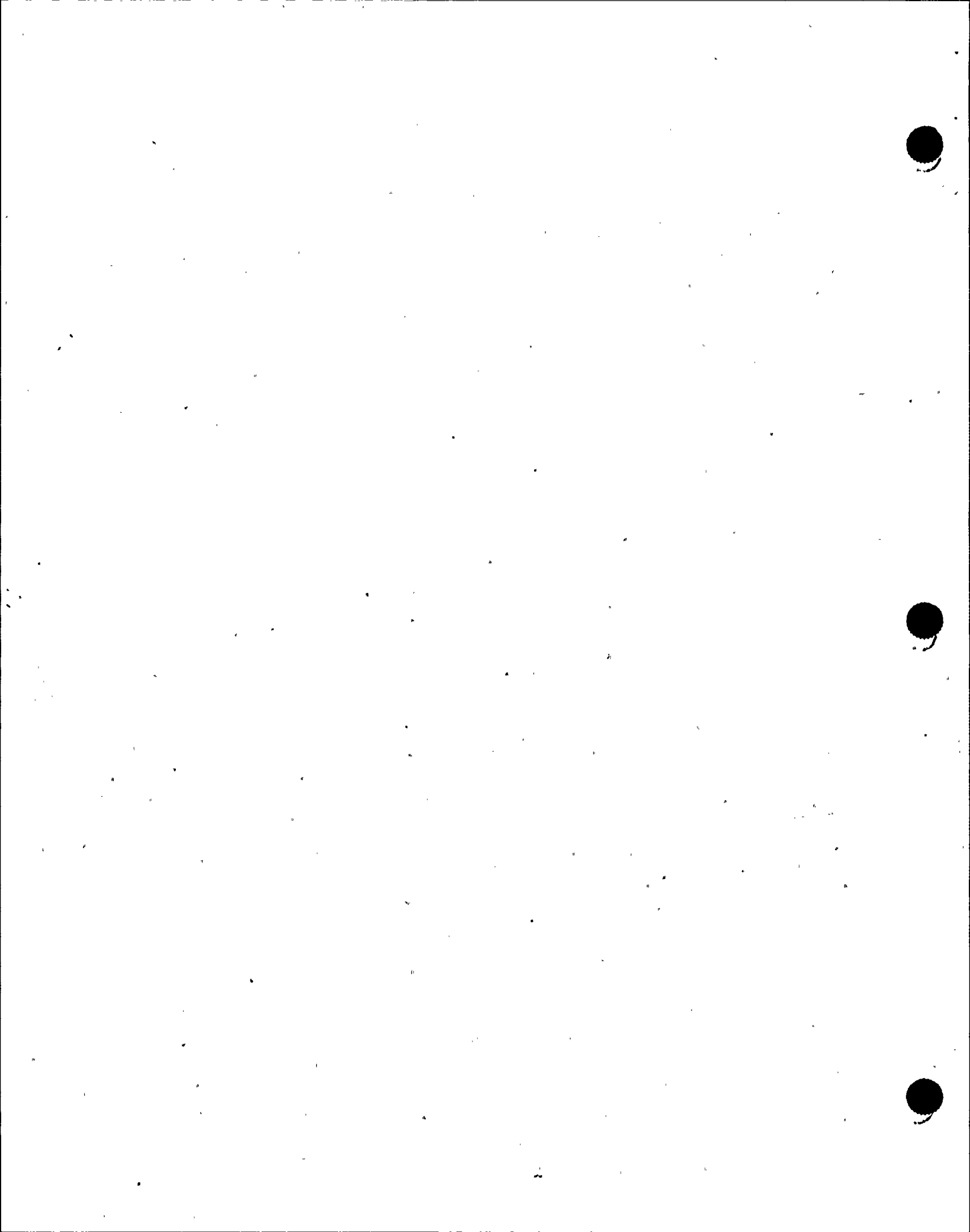
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101
Address
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1545-H2001	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06285	N/A	SP-HBD-1545-H2001	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1545-H2002	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06297	N/A	SP-HBD-1545-H2002	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HCD-112-H22	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	10726	N/A	HCD-112-H22	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HCD-112-H18	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	HCD-112-H19	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-104-H2011	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	09725	N/A	SP-GBB-104-H2011	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-104-H2013	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 JANUARY 27, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 8 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06242	N/A	SP-GBB-104-H2013	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-104-H2018	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	05078	N/A	SP-GBB-104-H2018	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1546-H2000	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	21064	N/A	SP-HBD-1546-H2000	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1547-H2001	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	21077	N/A	SP-HBD-1547-H2001	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1548-H2001	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23015	N/A	SP-HBD-1548-H2001	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1549-H2000	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23018	N/A	SP-HBD-1549-H2000	1981	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 9 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-107-H6	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	03246	N/A	DBB-107-H6	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-106-H25	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	02011	N/A	GBB-106-H25	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-106-H9	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	GBB-106-H9	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-174-H2009	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	17234	N/A	SP-HBD-174-H2009	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-174-H2010	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13407	N/A	SP-HBD-174-H2010	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1502-H2002	1982	REPLACED	NO

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

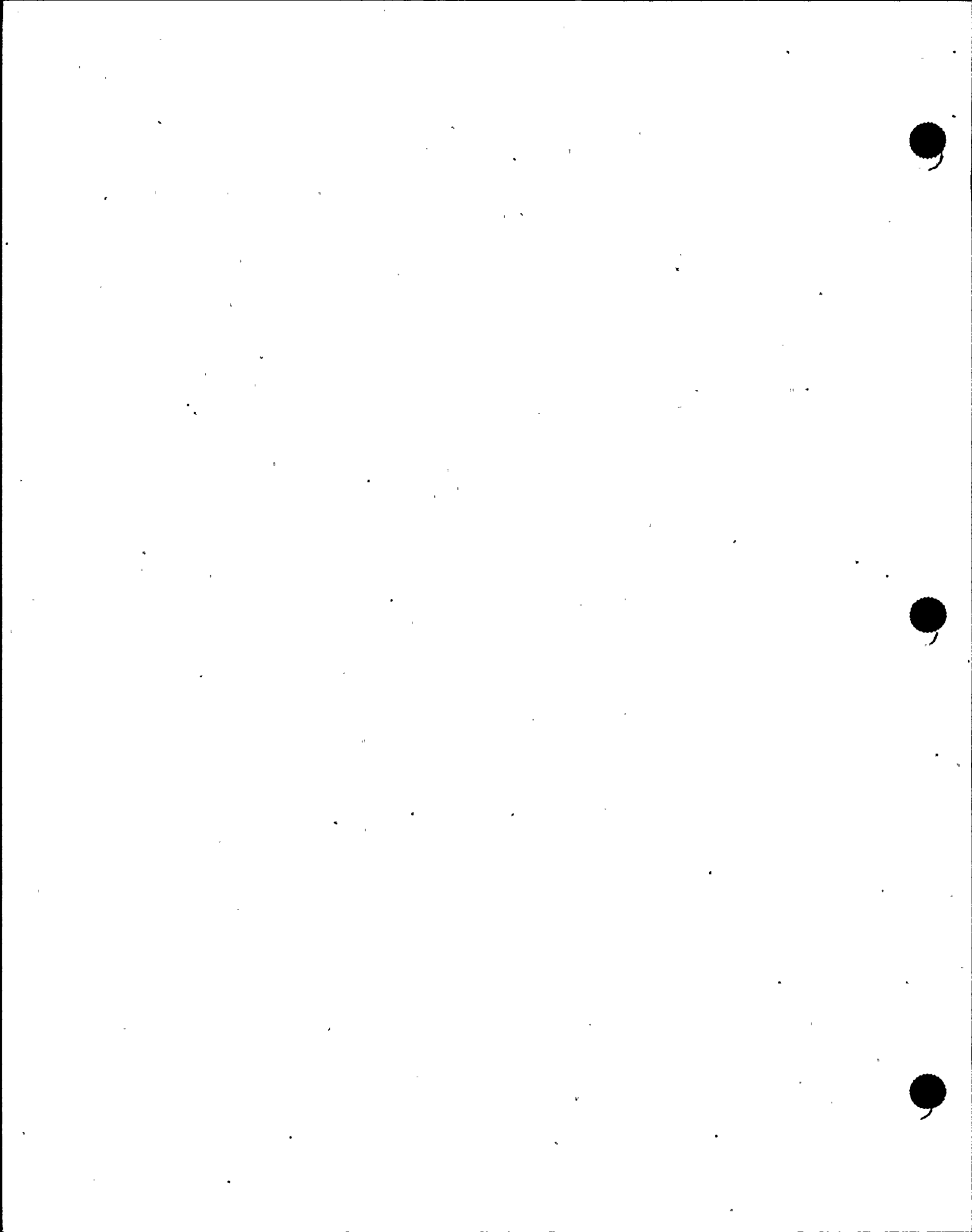
1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 10 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23006	N/A	SP-HBD-1502-H2002	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1502-H2003	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23007	N/A	SP-HBD-1502-H2003	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1503-H2004	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	14380	N/A	SP-HBD-1503-H2004	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1503-H2006	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22916	N/A	SP-HBD-1503-H2006	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-174-H4	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-174-H5	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-106-H2	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23059	N/A	SP-GBB-106-H2	1981	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 11 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-106-H5	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	27924	N/A	SP-GBB-106-H5	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-106-H6	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	21147	N/A	SP-GBB-106-H6	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-109-H11	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08223	N/A	GBB-109-H11	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-106-H36	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	02127	N/A	GBB-106-H36A	1977	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	02134	N/A	GBB-106-H36B	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-115-H3	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01302	N/A	GBB-115-H3	1978	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 12 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

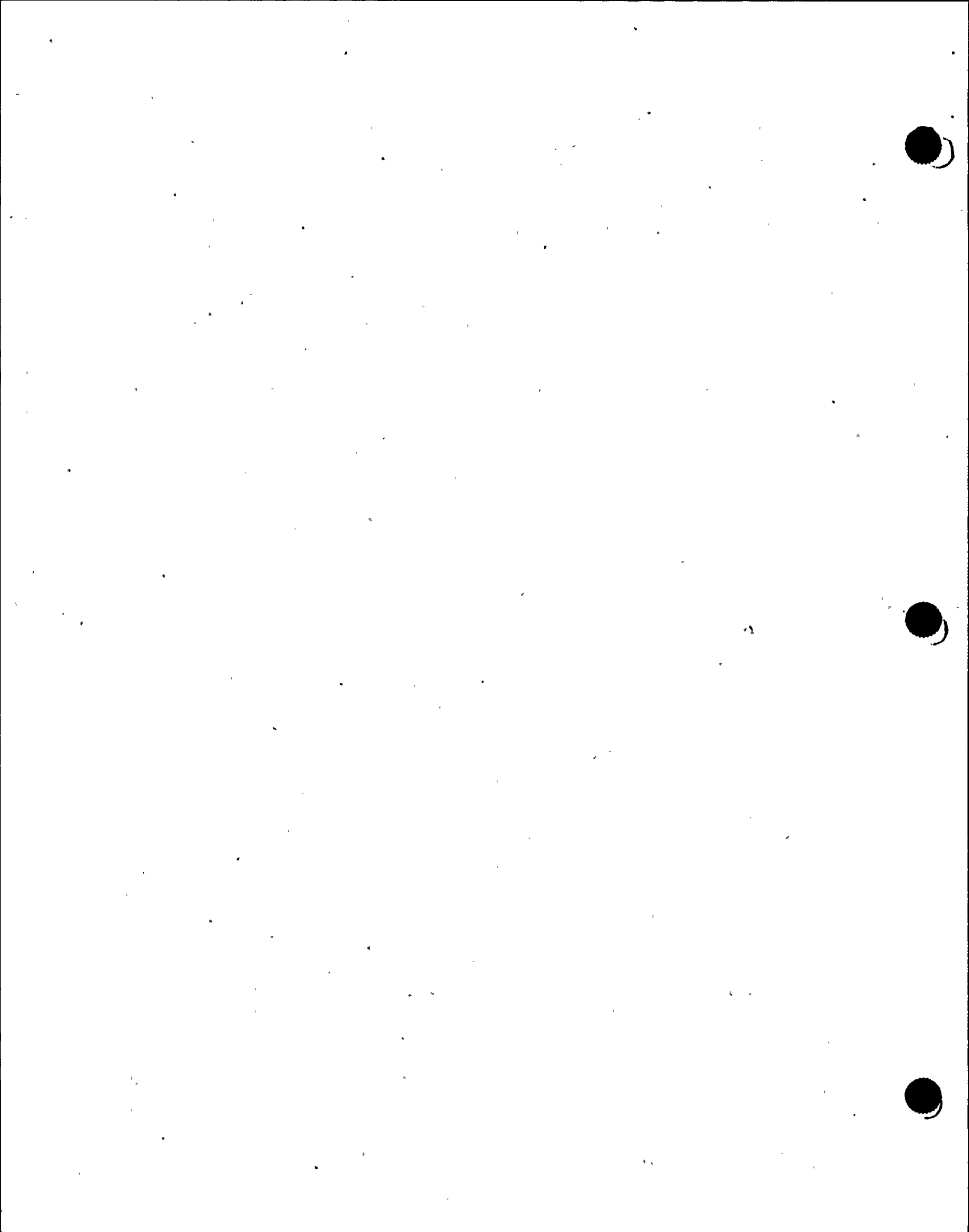
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-109-H13	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	GBB-109-H13	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-114-H1	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	03574	N/A	GBB-114-H1	1977	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	GBB-114-H1	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-114-H3	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	14385	N/A	GBB-114-H3	1982	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	GBB-114-H3	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-114-H2	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1533-H2014	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	10728	N/A	SP-HBD-1533-H2014	1980	REPLACED	N/A



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

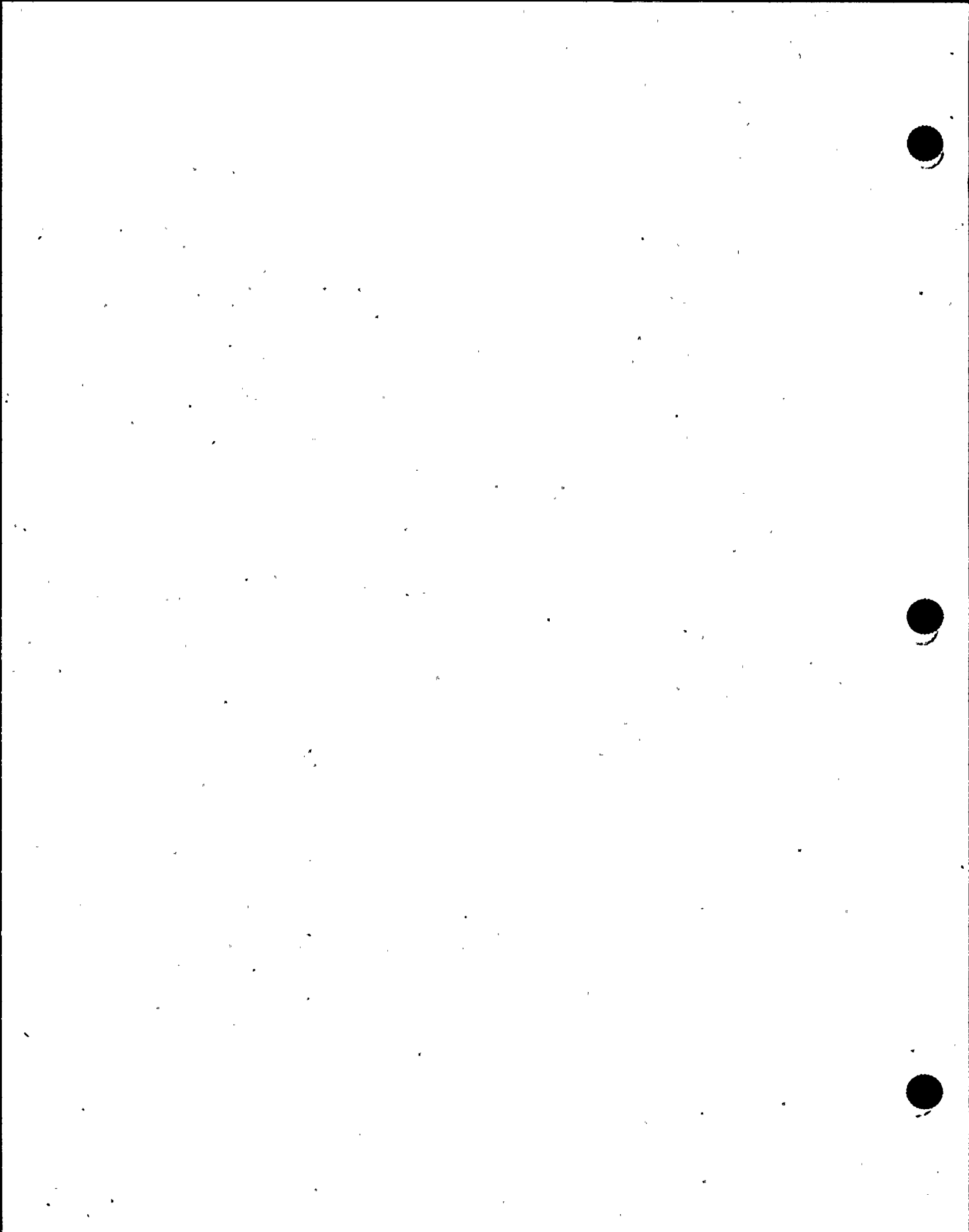
1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 13 of 19
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
- PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
- Expiration Date N/A
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1533-H2017	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23589	N/A	SP-HBD-1533-H2017	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-1534-H2000	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	14377	N/A	SP-HBD-1534-H2000	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-XBD-535-H1	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-XBD-535-H2006	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	28784	N/A	SP-XBD-535-H2006	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-XBD-535-H2007	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	10735	N/A	SP-XBD-535-H2007	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-XBD-535-H2008	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23575	N/A	SP-XBD-535-H2008	1981	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 14 of 19
Address
- 2: Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H31	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	19513	N/A	GBB-107-H31	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-118-H13	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	19532	N/A	GBB-118-H13	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H17	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	12944	N/A	GBB-107-H17	1982	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	GBB-107-H17	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H6	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	12962	N/A	GBB-107-H6	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H7	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	25309	N/A	GBB-107-H7A	1982	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 27, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 15 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

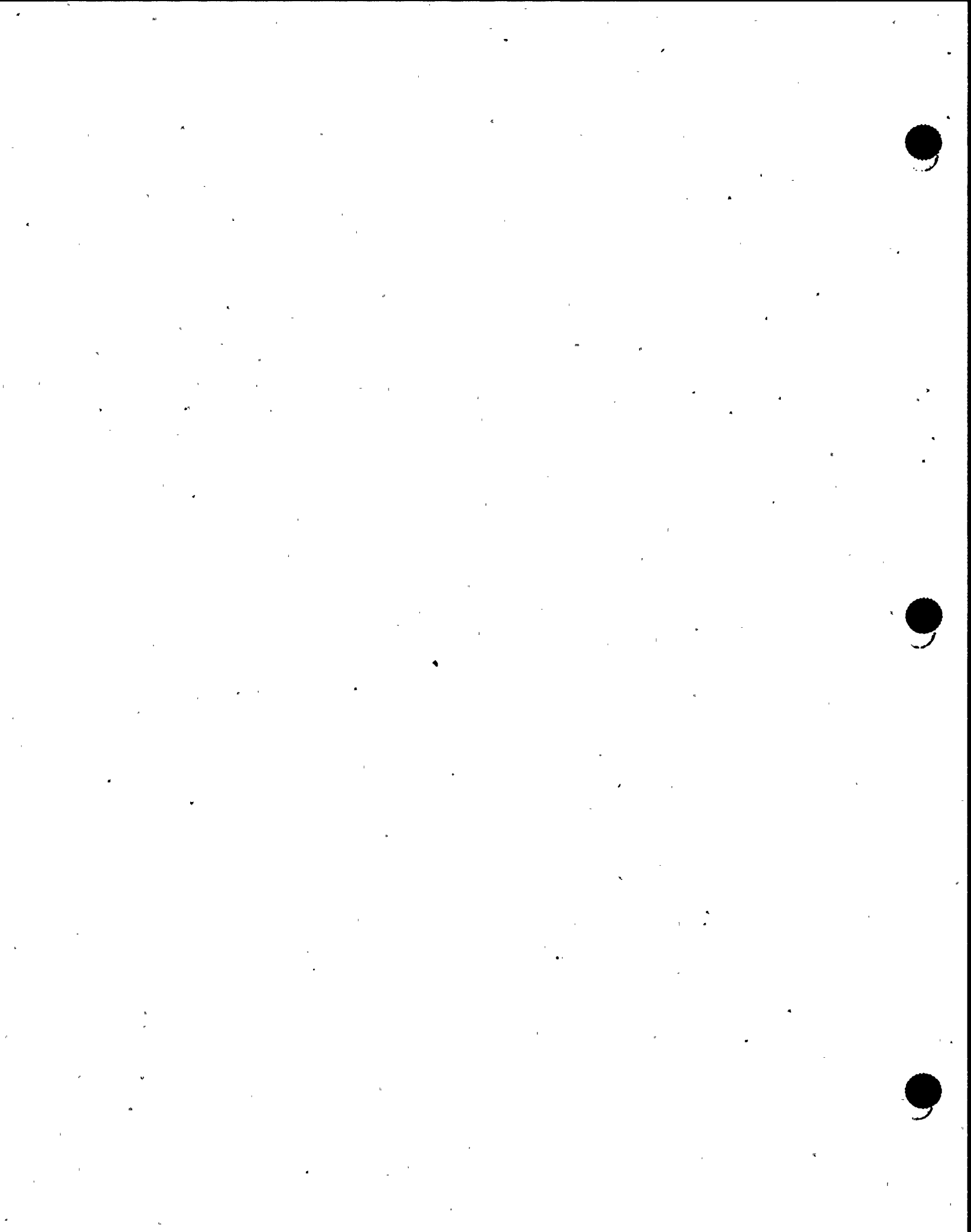
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	25263	N/A	GBB-107-H7B	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-106-H26	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01095	N/A	GBB-106-H26	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-115-H15	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	11025	N/A	GBB-115-H15A	1983	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06961	N/A	GBB-115-H15B	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-106-H8	N/A	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	04321	N/A	SP-GBB-106-H8	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-106-H11	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	17238	N/A	SP-GBB-106-H11	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-106-H12	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 JANUARY 27, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 16 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

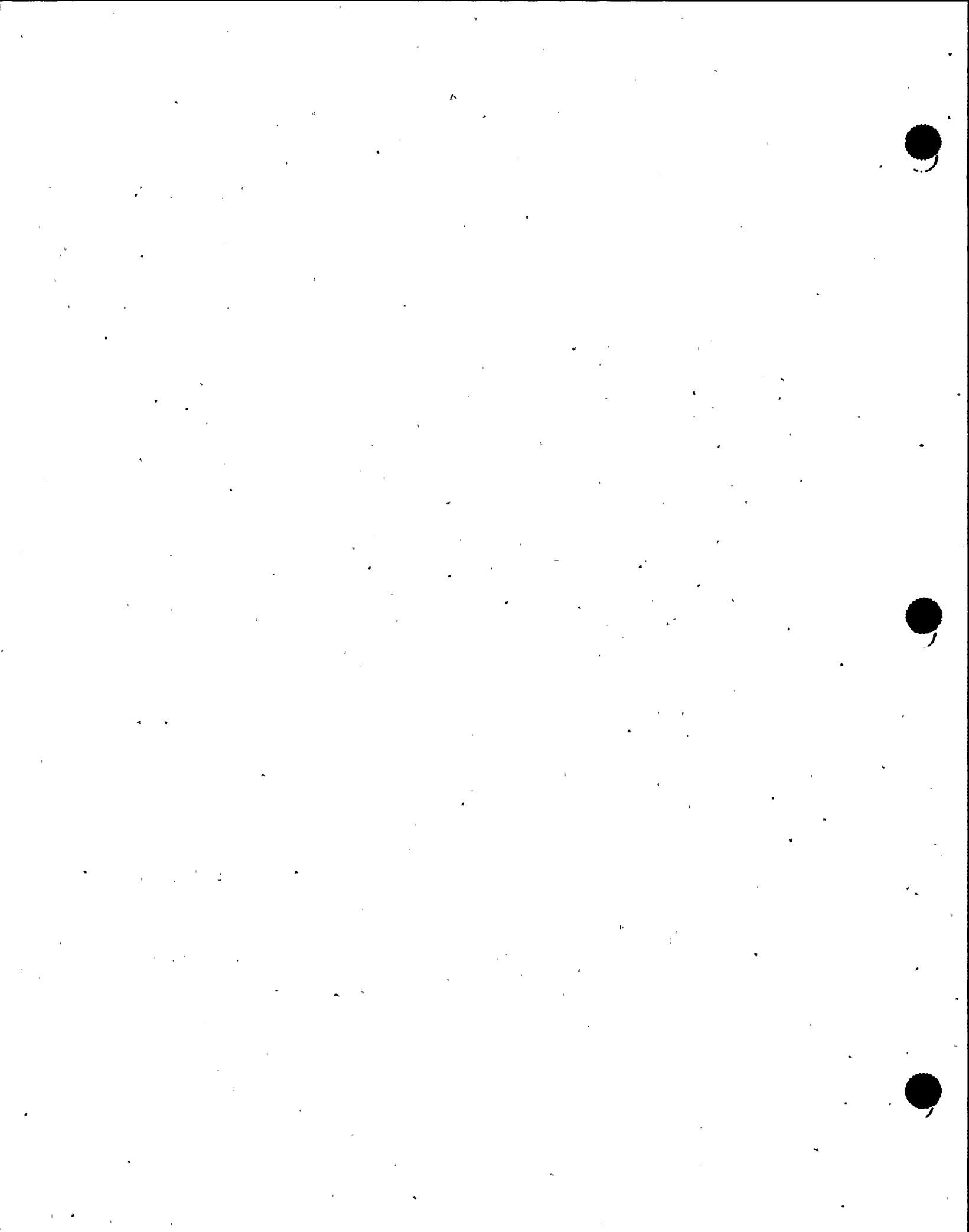
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23088	N/A	SP-GBB-106-H12	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-112-H22	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06813	N/A	GBB-112-H22	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-112-H23	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	17218	N/A	GBB-112-H23	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-112-H24	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06579	N/A	GBB-112-H24	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-5017-H2014	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22966	N/A	SP-HBD-5017-H2014	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-107-H8	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06025	N/A	DBB-107-H8A	1980	REPLACED	N/A



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

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

Date JANUARY 27, 1994

Sheet 17 of 19

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

Unit One

 PMR 92-3020F / SEE REMARKS FOR WORK
AUTHORIZATION NUMBERS
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 Stamp None

Authorization No. N/A

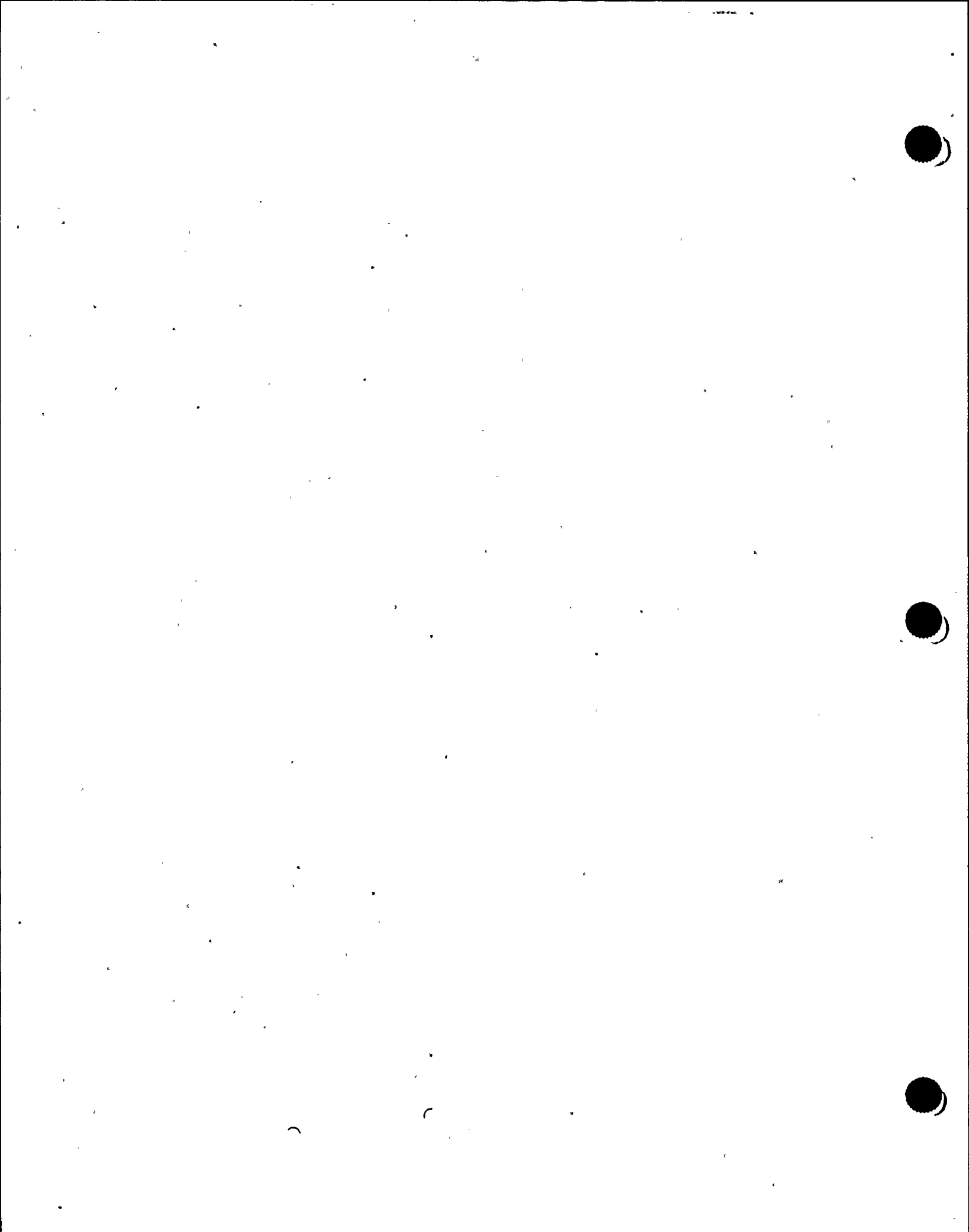
Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06027	N/A	DBB-107-H8B	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H1	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	25275	N/A	GBB-107-H1A	1982	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	19475	N/A	GBB-107-H1B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-109-H17	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06578	N/A	GBB-109-H17	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-109-H29	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	00889	N/A	GBB-109-H29	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-109-H32	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	10890	N/A	GBB-109-H32	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-115-H1	N/A	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 JANUARY 27, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 18 of 19
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13053	N/A	SP-GBB-115-H1	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-115-H2000	N/A	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22908	N/A	SP-GBB-115-H2000	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-115-H2001	N/A	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22932	N/A	SP-GBB-115-H2001	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-XBD-551-H2004	N/A	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23057	N/A	SP-GBB-115-H2004	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H41	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	03210	N/A	GBB-107-H41	1978	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	GBB-107-H41	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H18	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 JANUARY 27, 1994

Sheet 19 of 19

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

Unit One

PMR 92-3020F / SEE REMARKS FOR WORK
AUTHORIZATION NUMBERS
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H12	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01150	N/A	GBB-107-H12	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H15	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	19576	N/A	GBB-107-H15A	1981	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	07024	N/A	GBB-107-H15B	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-107-H40	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08695	N/A	GBB-107-H40A	1980	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08710	N/A	GBB-107-H40B	1980	REPLACED	N/A

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

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

Date February 3, 1994

Sheet 1 of 2

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

Unit One
 DCP 93-3013A/B,WA C33287,C33584,C33585,C33686,
 C33286,C33685
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System 149A-II, Residual Heat Removal

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

Pipe Support	Bechtel	None	NA	GBB109-H30	1982	Replaced	N
Pipe Support	Bechtel	None	NA	GBB109-H31	1982	Replaced	N
Pipe Support	Bechtel	None	NA	GBB109-H37	1982	Replaced	N
Pipe Support	Bechtel	None	NA	GBB109-H38	1982	Replaced	N
Pipe Support	PP&L	None	NA	GBB109-H30	1993	Replacement	N
Pipe Support	PP&L	None	NA	GBB109-H31	1993	Replacement	N

7. Description of Work Replace valve HV151F028A/B actuators with SMB-2-60

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure None Required
Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 2/27 19 94
2/8/94 Owner or Owner's Designee, Title VP-Nuc 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 9/23/93 to 2/28/94 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 PA WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 94

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 February 3, 1994

Sheet 2 of 2

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

Unit One
 DCP 93-3013A/B,WA C33287,C33584,C33585,C33686,
 C33286,C33685
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 Stamp None

Authorization No. N/A

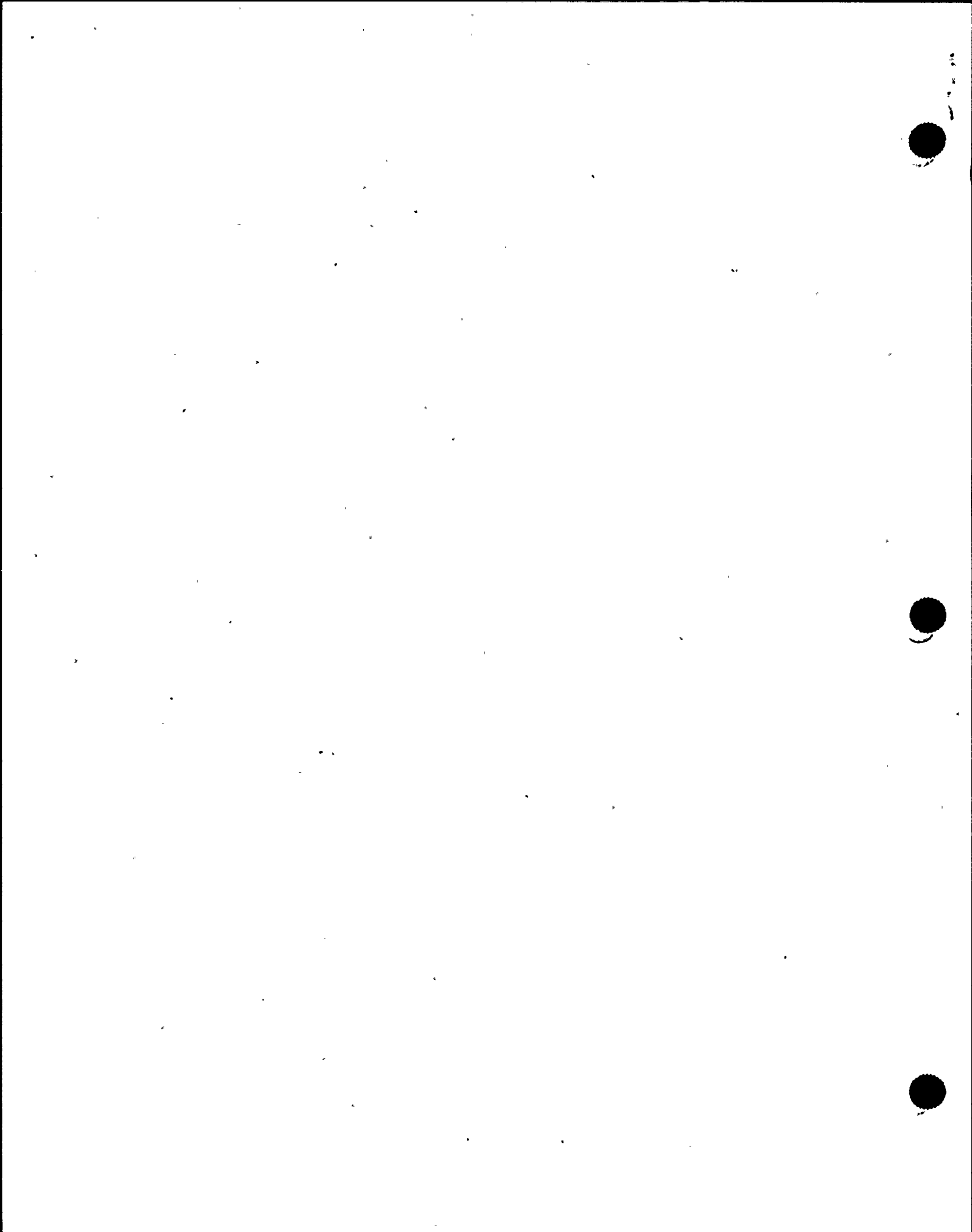
Expiration Date N/A

4. Identification of System 149A-II, Residual Heat Removal

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
Pipe Support	PP&L	None	NA	GBB109-H37	1993	Replacement	N
Pipe Support	PP&L	None	NA	GBB109-H38	1993	Replacement	N
Pipe Plug	Anchor Darling Valve Co	None	NA	Gland Leak Off HV151F028A	NA	Replaced	N
Pipe Plug	Anchor Darling Valve Co	None	NA	Gland Leak Off HV151F028A	NA	Replaced	N
Pipe Plug	PP&L	None	NA	Gland Leak Off HV151F028B	1993	Replacement	N
Pipe Plug	PP&L	None	NA	Gland Leak Off HV151F028B	1993	Replacement	N



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 March 9, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 2
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP 84-9018 / WA C04266, C04267
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RHR SYSTEM--POOL SPRAY, PUMPS AND AUX. --149A CLASS II
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
TUBING SUB ASS'Y	BECHTEL	NONE	N/A	JD-28-1-4	1982	REPLACED	YES
TUBING SUB ASS'Y	PP&L	NONE	N/A	JD-28-1-4	1993	REPLACEMENT	NO
TUBING SUB ASS'Y	BECHTEL	NONE	N/A	JD-28-1-4A	1982	REPLACED	YES
TUBING SUB ASS'Y	PP&L	NONE	N/A	JD-28-1-4A	1993	REPLACEMENT	NO
TUBING SUB ASS'Y	BECHTEL	NONE	N/A	JD-29-1-1D	1982	REPLACED	YES
TUBING SUB ASS'Y	PP&L	NONE	N/A	JD-29-1-1D	1993	REPLACEMENT	NO

7. Description of Work ADDITION OF LOW RANGE SUCTION PRESSURE INDICATORS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 3/9, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 11/2/91 to 12/11/94, 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 PA WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 9 19 94

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 March 9, 1994

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 2 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit ONE

 PO Box 467, Berwick, PA 18603
Address

 DCP 84-9018 / WA C04266, C04267
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR SYSTEM--POOL SPRAY, PUMPS AND AUX. --149A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
TUBING SUB ASSY	BECHTEL	NONE	N/A	JD-29-1-1F	1982	REPLACED	YES
TUBING SUB ASSY	PP&L	NONE	N/A	JD-29-1-1F	1993	REPLACEMENT	NO

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

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

Date February 3, 1994
 Sheet 1 of 7

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

Unit ONE
 89-9153B WA's ,C33301,C33303,
 ,C33297,C33298,C33299,C33300
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS

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" MANUAL VALVE	YARWAY	A1300	NA	1RV-PP-11189A	1977	REPLACED	YES
1" MANUAL VALVE	YARWAY	A1325	NA	1RV-PP-11187A	1977	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC126-H2000	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC126-H2001	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC126-H2002	1982	REPLACED	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-126-5	1982	REPLACED	YES

7. Description of Work Install spool pieces. Remove obsolete RHR piping

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 200 psi Test Temp. 63 °F

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

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORT(S) ATTACHED

Applicable Manufacturer's Data Reports to be attached

* SEAL COOLERS 1E-218A,B,C & D WERE ATTACHED TO CLASS II RHR PUMPS 1P-202A,B,C & D

*CONSTRUCTION CODE FOR:1/2" JAMESBURY VLV IS ASME SECTION III 1974 EDITION, NO ADDENDA

*CONSTRUCTION CODE FOR:1" YARWAY VLV IS ASME SECTION III 1986 EDITION, NO ADDENDA

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 2/27, 19 94
Owner or Owner's Designee, Title VP-NUC. 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 6/20/93 to , 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 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

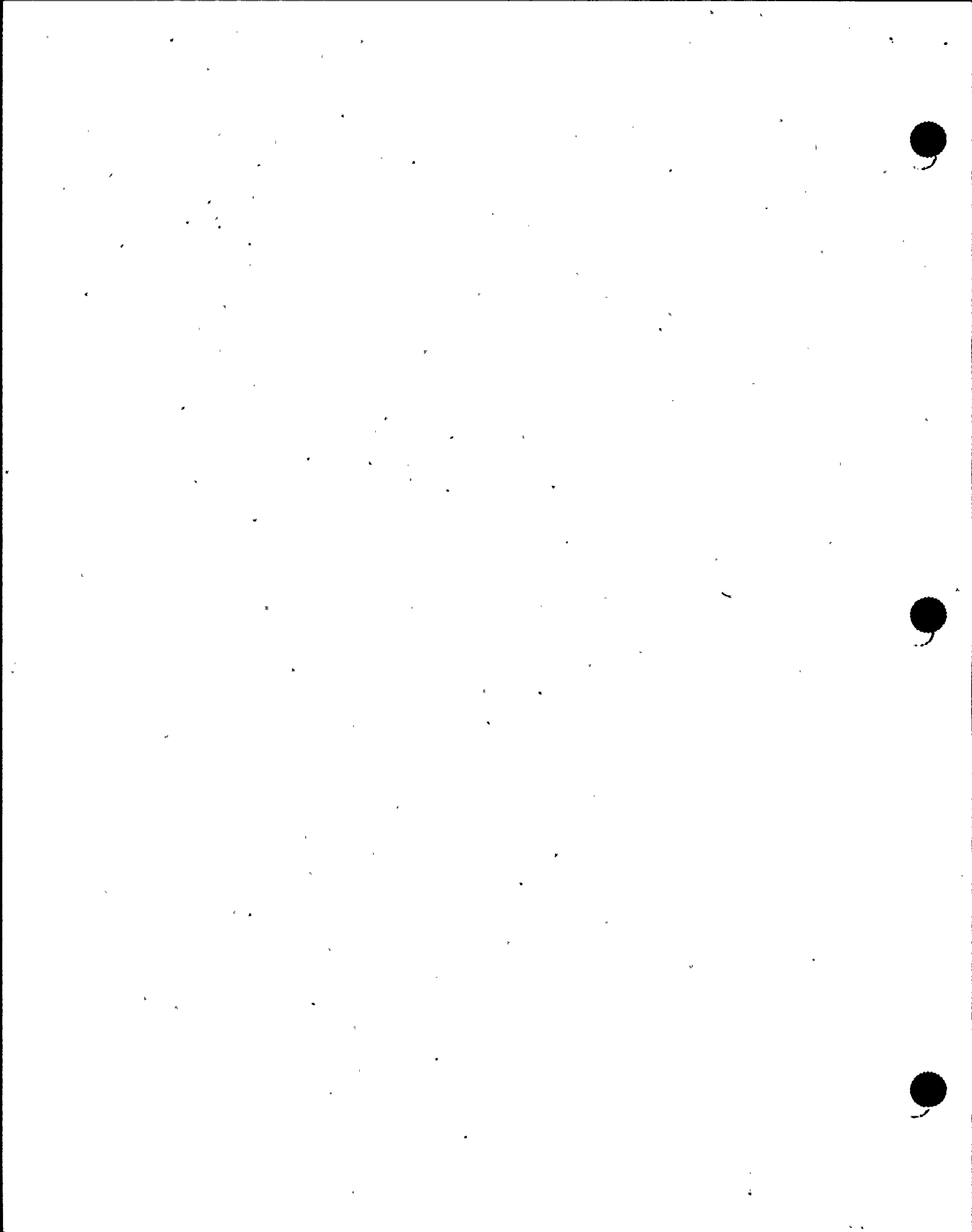
Date 2/28 19 94

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 January 31, 1994
Name
Two North Ninth St., Allentown, PA 18101 Address
Sheet 2 of 7
2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 Address
89-9153B WA's ,C33301,C33303,
C33297,C33298,C33299,C33300
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-127-2	1982	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2011	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H1	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2008	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2016	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2007	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2010	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2009	1982	REPLACED	NO
*SEAL COOLER	INGERSOLL RAND	0573308	NA	1E-218A	1973	REPLACED	YES
1/2" VALVE	YARWAY	A1097	NA	1RV-FP-11189A	1976	REPLACED	YES
1/2" VALVE	YARWAY	A1104	NA	2RV-FP-11189A	1977	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 January 31, 1994
Name
Two North Ninth St., Allentown, PA 18101
Address
2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603
Address 89-9153B WA's, C33301, C33303,
C33297, C33298, C33299, C33300
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101
Address Authorization No. N/A
Expiration Date N/A
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS
6. Identification of Components Repaired or Replaced and Replacement Components

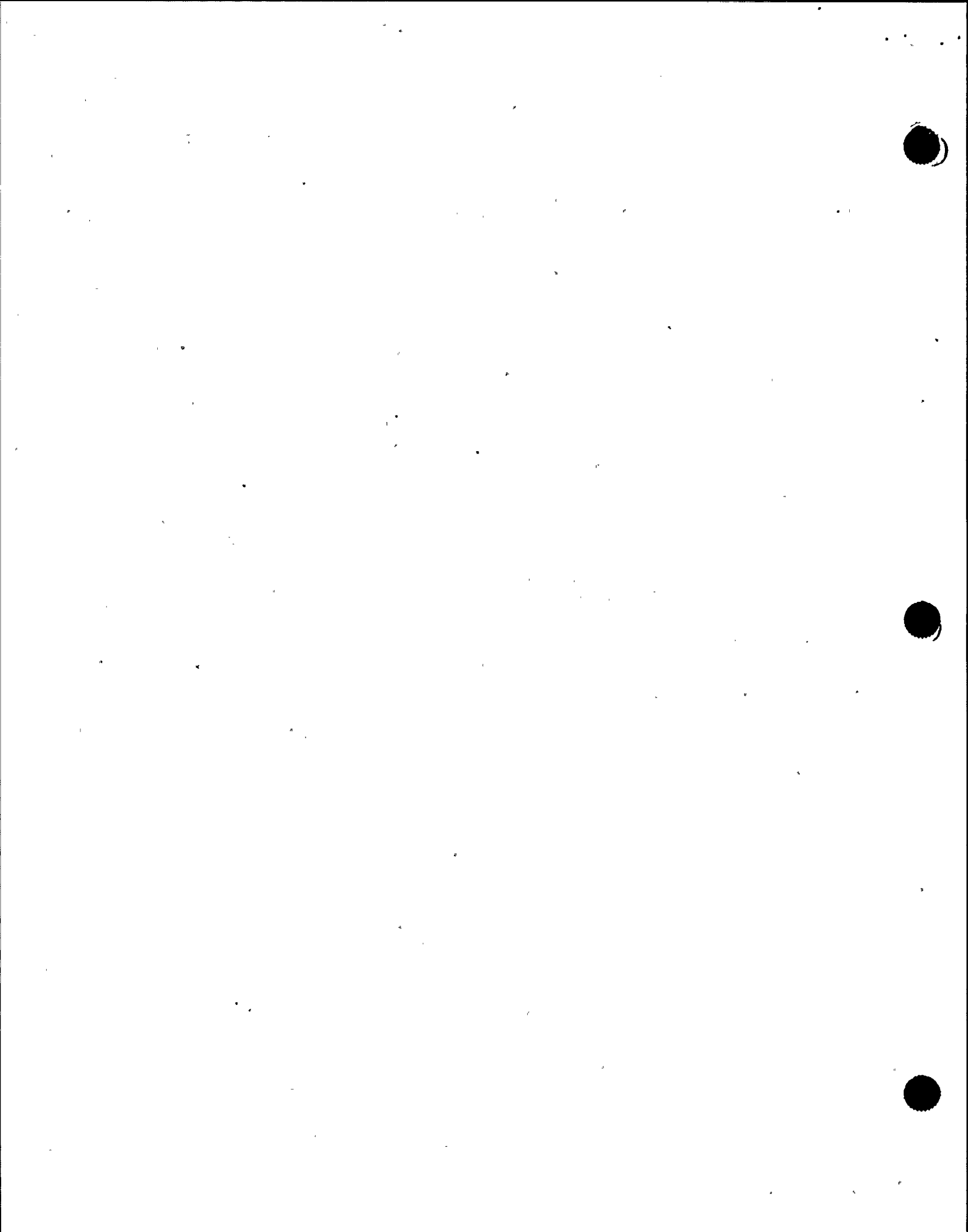
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" VALVE	YARWAY	5303	NA	1RV-PP-11189B	1976	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2001	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2000	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2013	1982	REPLACED	NO
1" VALVE	YARWAY	5556	NA	1RV-PP-11187B	1976	REPLACED	YES
*SEAL COOLER	INGERSOLL RAND	0573309	NA	1E-218B	1973	REPLACED	YES
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-123-2	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-124-2	1982	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H2003	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H1	1982	REPLACED	NO
1/2" VALVE	YARWAY	9913	NA	1RV-FP-11189B	1977	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 January 31, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 89-9153B WA's ,C33301,C33303,
Address C33297,C33298,C33299,C33300
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS
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" VALVE	YARWAY	9954	NA	2RV-FP-11189B	1977	REPLACED	YES
*SEAL COOLER	INGERSOLL RAND	0573310	NA	1E-218C	1973	REPLACED	YES
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-130-1	1982	REPLACED	YES
1" MANUAL VALVE	YARWAY	5360	NA	1RV-PP-11189C	1976	REPLACED	YES
1" MANUAL VALVE	YARWAY	5312	NA	1RV-PP-11187C	1976	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC130-H2000	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC130-H2051	1982	REPLACED	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-131-1	1982	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC131-H2052	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC131-H8	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC131-H2051	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 January 31, 1994

Sheet 5 of 7

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

Unit ONE

 89-9153B WA's ,C33301,C33303,
C33297,C33298,C33299,C33300
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS

6. Identification of Components Repaired or Replaced and Replacement Components

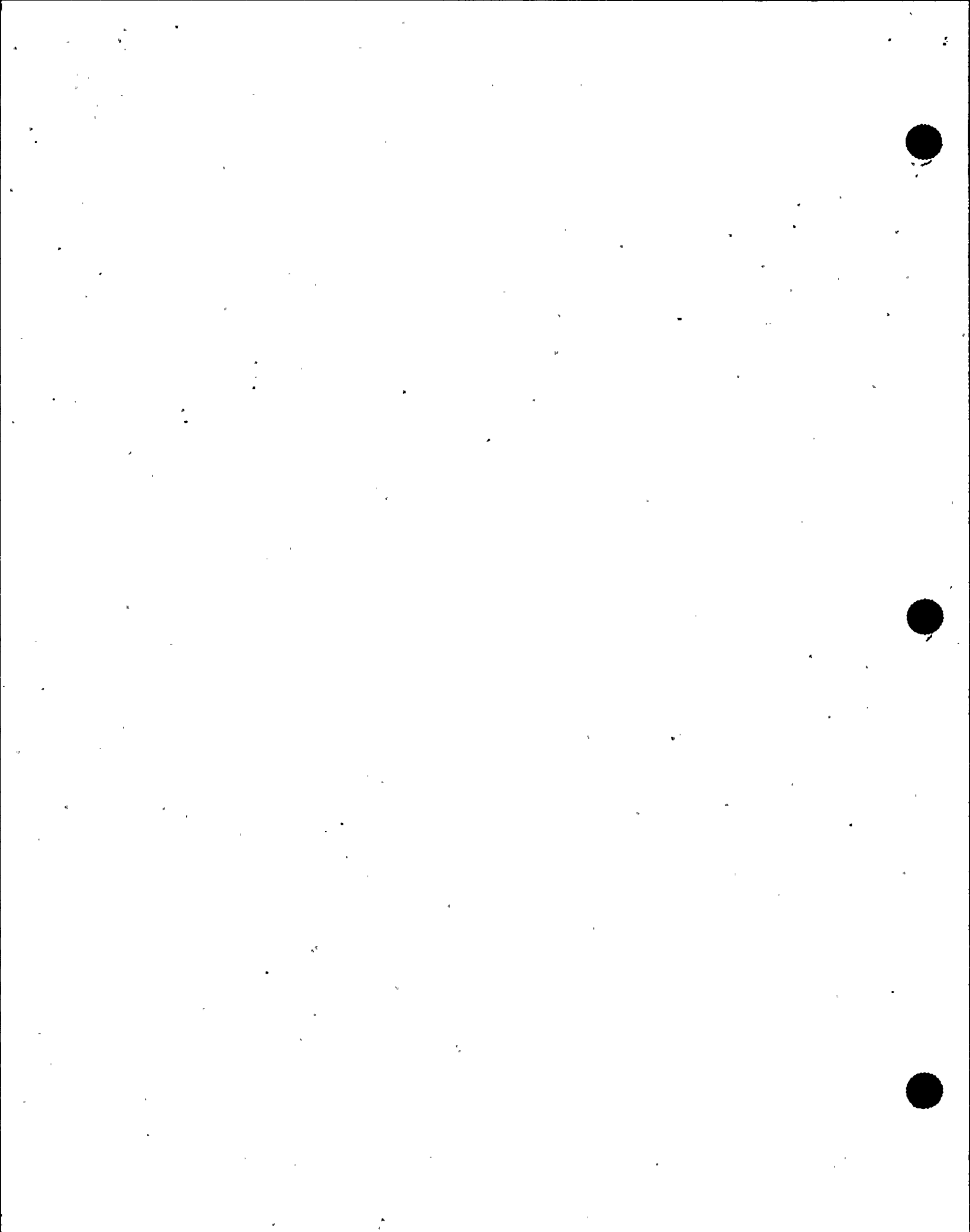
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	NA	NA	SPHRC131-H2050	1982	REPLACED	NO
1/2" VALVE	YARWAY	9920	NA	1RV-FP-11189C	1977	REPLACED	YES
1/2" VALVE	YARWAY	9963	NA	2RV-FP-11189C	1976	REPLACED	YES
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-124-8	1982	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H2002	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H39	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H2022	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H2010	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H2001	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H40	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H2000	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 January 31, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 6 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 89-9153B WA's ,C33301,C33303,
Address C33297,C33298,C33299,C33300
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
 Expiration Date N/A
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80 SEE REMARKS
6. Identification of Components Repaired or Replaced and Replacement Components

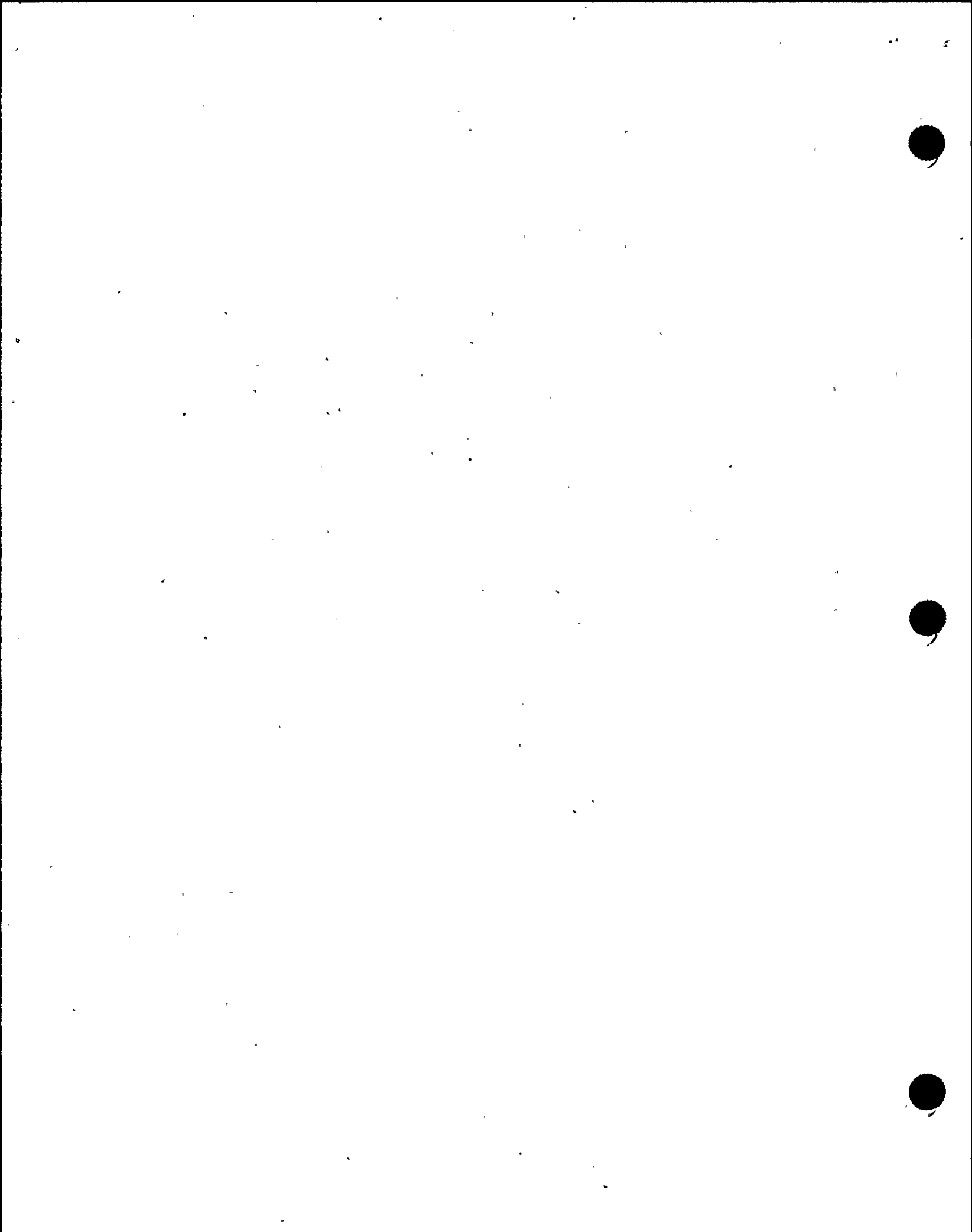
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H41	1982	REPLACED	NO
1/2" VALVE	YARWAY	A1110	NA	1RV-FP-11189D	1976	REPLACED	YES
1/2" VALVE	YARWAY	A1124	NA	2RV-FP-11189D	1976	REPLACED	YES
*SEAL COOLER	INGERSOLL RAND	0573311	NA	1E-218D	1973	REPLACED	YES
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-123-7	1982	REPLACED	YES
1" MANUAL VALVE	YARWAY	A0355	NA	1RV-PP-11189D	1976	REPLACED	YES
1" MANUAL VALVE	YARWAY	A0404	NA	1RV-PP-11187D	1977	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2008	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2005	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H43	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2007	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 January 31, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 7 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 89-9153B WA's ,C33301,C33303,
Address C33297,C33298,C33299,C33300
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80 SEE REMARKS
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)
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H42	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2006	1982	REPLACED	NO
1/2" VALVE	YARWAY	A1138	NA	2RV-FP-11185A	1977	REPLACED	YES
1/2" VALVE	JAMESBURY	NC-334123-02R	NA	2RV-FP-11185A	1992	REPLACEMENT	YES
1" VALVE	YARWAY	9957	NA	1RV-FP-11185C	1977	REPLACED	YES
1" VALVE	YARWAY	C0833	NA	1RV-FP-11185C	1990	REPLACEMENT	YES
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-140-3	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-140-3	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-139-2	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-139-2	1993	REPLACEMENT	NO



FORM NPV-1 (back)

8. Remarks Nuclear Service Valves, Qty. 1

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 C. J. Row
(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 Jim. Hinkley 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 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 Neles-Jamesbury, Inc., 640 Lincoln St., Worcester, MA 01605
(Name and Address of N Certificate Holder)
2. Manufactured for Pennsylvania Power & Light Co., Two North Ninth St., Allentown, PA 18101
(Name and Address of Purchaser or Owner)
3. Location of Installation Pennsylvania Power & Light Co., Susquehanna Stream Electric*
(Name and Address)
4. Pump or Valve Ball Valve Nominal Inlet Size 1/2 (inch) Outlet Size 1/2 (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)	4CB	NC-334123-02L	N/A	NC334123-02 Rev.C	2	N/A	1992
(2)	4CB	NC-334123-02M	N/A	NC334123-02 Rev.C	2	N/A	1992
(3)	4CB	NC-334123-02N	N/A	NC334123-02 Rev.C	2	N/A	1992
(4)	4CB	NC-334123-02P	N/A	NC334123-02 Rev.C	2	N/A	1992
(5)	4CB	NC-334123-02R	N/A	NC334123-02 Rev.C	2	N/A	1992
(6)	4CB	NC-334123-02S	N/A	NC334123-02 Rev.C	2	N/A	1992
(7)	4CB	NC-334123-02T	N/A	NC334123-02 Rev.C	2	N/A	1992
(8)	4CB	NC-334123-02 ^U	N/A	NC334123-02 Rev.C	2	N/A	1992
(9)	4CB	NC-334123-02 ^W	N/A	NC334123-02 Rev.C	2	N/A	1992
(10)	4CB	NC-334123-02 ^X	N/A	NC334123-02 Rev.C	2	N/A	1992

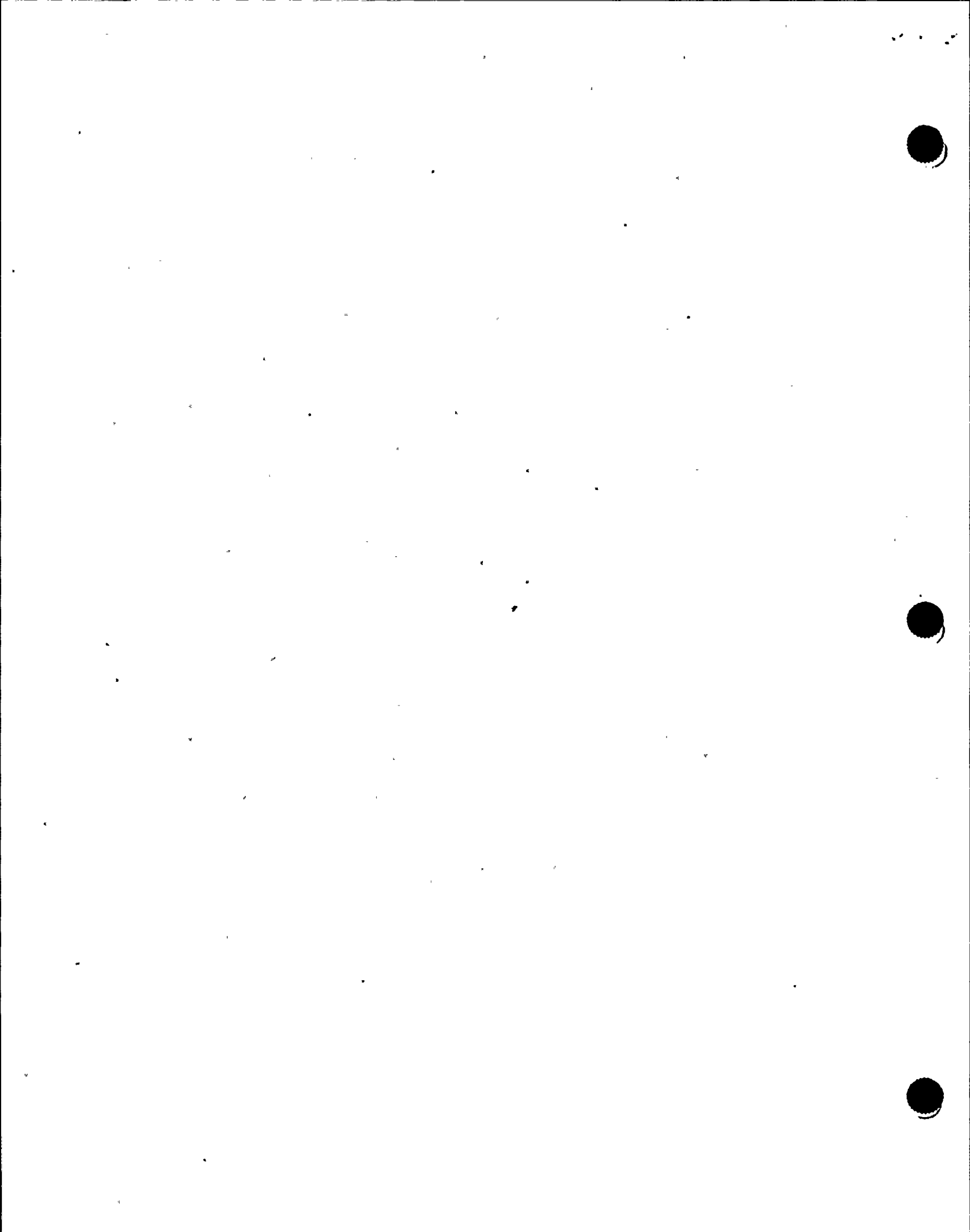
5. Emergency Service Water
(Brief description of service for which equipment was designed)
*Station, 5MI.NE. of Berwick on U.S.RT 11
6. Design Conditions Seat 177 125°
Body 275 100° *F or Valve Pressure Class 150 (1)
(Pressure) (Temperature)
7. Cold Working Pressure 275 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No. ASME-SA	Manufacturer	Remarks	
(1)	(a) Castings RHD- 13	351 Gr. CF8M	Southern Tool	Body
(2)	RHD- 40	351 Gr. CF8M	Southern Tool	Body
(3)	RHD- 49	351 Gr. CF8M	Southern Tool	Body
(4)	RHD- 7	351 Gr. CF8M	Southern Tool	Body
(5)	RHD- 64	351 Gr. CF8M	Southern Tool	Body
(6)	RHD- 54	351 Gr. CF8M	Southern Tool	Body
(7)	RHD- 109	351 Gr. CF8M	Southern Tool	Body
(8)	RHD- 71	351 Gr. CF8M	Southern Tool	Body
(9)	RHD- 33	351 Gr. CF8M	Southern Tool	Body
(10)	RHD- 110	351 Gr. CF8M	Southern Tool	Body
(1)	RHS-153 RHS- 171	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap
(2)	RHS-138 RHS- 146	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap
(3)	RHS-132 RHS- 161	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap
(4)	RHS-85 RHS- 101	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap
(5)	RHS-50 RHS- 84	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap
(6)	RHS-143 RHS- 159	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap
(7)	RHS-141 RHS- 142	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap
(8)	RHS-24 RHS- 177	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap
(9)	RHS-134 RHS- 140	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap
(10)	RHS-51 RHS- 172	351 Gr. CF8M 3M D 28 F 152	Southern Tool	Cap

(1) For manually operated valves only.

RECORD PACKAGE
PAGE 10 OF 15

*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 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, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.



FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	ASME-SA		
9E0947	194 Gr. 8	Nova Machine	Hex Nut (All Valves)
9E0947	193 Gr. B8	Nova Machine	Hex Hd. Cap. SCR.*
(d) Other Parts	ASME-SA		
RET	479 Type 316	Neles-Jamesbury	Ball (All Valves)

9. Hydrostatic test 425 psi. Disk Differential test pressure ----- psi. NC334123-02L, 02M, 02N, 02P, 02R, 02S, 02T, 02U, 02W, 02X

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. I., Edition 1974.
 Addenda None, Code Case No. None, Date 25 Feb 92
 (Date)
 Signed Neles-Jamesbury, Inc. by Donald P. Parker
 (N Certificate Holder)
 Our ASME Certificate of Authorization No. N-1228 to use the N symbol expires Oct. 27, 1993
 (N) (Date)

CERTIFICATION OF DESIGN

Design information on file at Pennsylvania Power & Light Co., Two North Ninth St., Allentown,
 Stress analysis report (Class T-only) on file at N/A PA 18101

Design specifications certified by (1) Dale Stattar
 PE State PA Reg. No. PE019525E
 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 Massachusetts and employed by Protection Mutual of Norwood, Massachusetts have inspected the pump, or valve, described in this Data Report on 2-28 19 92, 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 2-28 19 92 Factory Mutual Systems
Raymond REWARD PACKAGE Mass #1287 PAWC #2757
 (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.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date JANUARY 27, 1994
 Sheet 1 of 1

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

Unit One
 PMR 92-3020F / Work Authorization C33169
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149B CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HRC-136-H1005	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22947	N/A	SP-HRC-136-H1005	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HRC-136-H2000	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22971	N/A	SP-HRC-136-H2000	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HRC-136-H2001	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23631	N/A	SP-HRC-136-H2001	1981	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 The following later edition / addenda of the original construction code and new code case were
Applicable Manufacturer's Data Reports to be attached
used in the design of this modification: ASME Section III, 1977 Edition through summer 1979 Addenda.
(Subsection NC/ND-2658.3, Analysis of flanged joints) & (Subsection NB-3650 Nuclear Class 1 evaluation
only), Code Case N-411, Alternate Damping Values for Seismic Analysis of Class 1, 2, & 3 Piping Section
III Division 1.

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 2/27 19 94
Owner or Owner's Designee, Title VP-Nuc 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 9/11/93 to 3/11/94, 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 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 19 94

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 JANUARY 27, 1994
 Sheet 1 of 1

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

Unit One
PMR 92-3020F / Work Authorization C33195
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149E CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-118-H24	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	08703	N/A	GBB-118-H24A	1980	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	14768	N/A	GBB-118-H24B	1983	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 The following later edition / addenda of the original construction code and new code case were
Applicable Manufacturer's Data Reports to be attached
used in the design of this modification: ASME Section III, 1977 Edition through summer 1979 Addenda.
(Subsection NC/ND-2658.3, Analysis of flanged joints) & (Subsection NB-3650 Nuclear Class 1 evaluation
only), Code Case N-411, Alternate Damping Values for Seismic Analysis of Class 1, 2, & 3 Piping Section
III Division 1.

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 CRK _____ Date 2/27, 19 94
2/4/94 Owner or Owner's Designee, Title VP-Nuc 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 7/7/93 to 3-1-94, 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.

Ed Mellon _____ Commissions NB7866 PA W 24619 ADU
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1, 19 94

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 JANUARY 25, 1994

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit One

 PO Box 467, Berwick, PA 18603
Address

 PMR 92-3030F / Work Authorization C 33179
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149G CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-563-H2002	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22999	N/A	SP-HBD-563-H2002	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-563-H2004	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23002	N/A	SP-HBD-563-H2004	1981	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 The following later edition / addenda of the original construction code and new code case were
Applicable Manufacturer's Data Reports to be attached
used in the design of this modification: ASME Section III, 1977 Edition through summer 1979 Addenda.
(Subsection NC/ND-2658.3, Analysis of flanged joints) & (Subsection NB-3650 Nuclear Class 1 evaluation
only), Code Case N-411, Alternate Damping Values for Seismic Analysis of Class 1, 2, & 3 Piping Section
III Division 1.

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 6/6/93 to 3-1-94, 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 NC 24619 ANI
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 19 94

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 JANUARY 27, 1994

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit One

 PO Box 467, Berwick, PA 18603
Address

 PMR 92-3020F / SEE REMARKS FOR WORK
 AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149G CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H30	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	03482	N/A	HBB-111-H30	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H11	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	12270	N/A	HBB-111-H11	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H34	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	03256	N/A	HBB-111-H34	1978	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 WA C33160, C33161, C33164, C33698, C33179, C33187, C33170, C33173, C33176

Applicable Manufacturer's Data Reports to be attached

The following later edition / addenda of the original construction code and new code case were

used in the design of this modification: ASME Section III, 1977 Edition through summer 1979 Addenda.

(Subsection NC/ND-2658.3, Analysis of flanged joints) & (Subsection NB-3650 Nuclear Class 1 evaluation

only), Code Case N-411, Alternate Damping Values for Seismic Analysis of Class 1, 2, & 3 Piping Section III Division 1.

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 6/7/93 to 3/1/94, 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 PA WC 24619 ANII
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 19 94

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 JANUARY 27, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 4
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020F / SEE REMARKS FOR WORK
Address AUTHORIZATION NUMBERS
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149G CLASS II
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H35	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HBB-111-H35	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-174-H2002	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13418	N/A	SP-HBD-174-H2002	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-111-H37	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	04272	N/A	HBB-111-H37	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-107-H1	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	04570	N/A	DBB-107-H1	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-107-H2	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	02551	N/A	DBB-107-H2A	1978	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	02554	N/A	DBB-107-H2B	1978	REPLACED	N/A

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

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

Date JANUARY 27, 1994

Sheet 3 of 4

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

Unit One

PMR 92-3020F / SEE REMARKS FOR WORK
AUTHORIZATION NUMBERS
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149G CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-107-H2005	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	21121	N/A	SP-DBB-107-H2005	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-107-H2006	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06330	N/A	SP-DBB-107-H2006	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-107-H2007	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	10745	N/A	SP-DBB-107-H2007	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-107-H2009	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13403	N/A	SP-DBB-107-H2009	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-107-H13	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	00367	N/A	DBB-107-H13	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-107-H9	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 JANUARY 27, 1994

Sheet 4 of 4

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

Unit One

PMR 92-3020F / SEE REMARKS FOR WORK
AUTHORIZATION NUMBERS
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL SYSTEM 149G CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	02600	N/A	DBB-107-H9A	1978	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	02596	N/A	DBB-107-H9B	1978	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date February 4, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 6
Address
2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 DCP-92-3020G WA C23504, C23505, C23506,
Address C23507, C23508, C33092
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RCIC SYSTEM 150B CLASS II
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-109-H26	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28837	N/A	DBB-109-H26A	1982	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	28980	N/A	DBB-109-H26B	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-109-H7	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	17232	N/A	DBB-109-H7	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-109-H12	1982	REPLACED	NO

7. Description of Work REMOVE SNUBBER / NO REPLACEMENT--MODIFY SUPPORTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE X
Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks

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 CRS [Signature] Date 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 6/11/93 to 3/1/94, 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 PAWC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date _____ 19 _____

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 January 21, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP-92-3020G WA C23504, C23505, C23506,
Address C23507, C23508, C33092
Repair Organization P.O. No., Job No., etc.

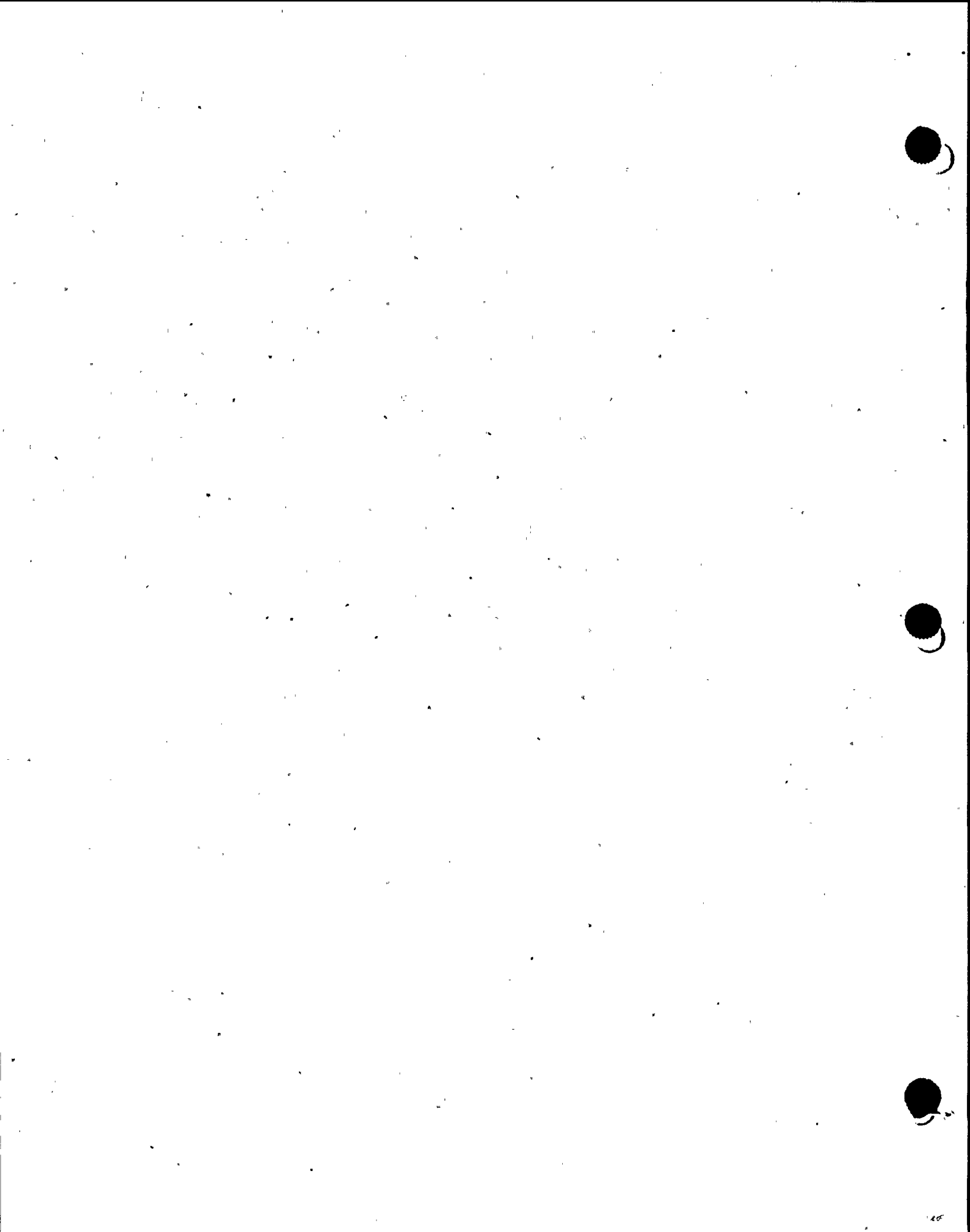
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RCIC SYSTEM 150B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
MECH. SNUBBER	PACIFIC SCIENTIFIC	00127	N/A	DBB-109-H12	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-109-H15	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00135	N/A	DBB-109-H15	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-109-H17	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	07167	N/A	DBB-109-H17	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-109-H18	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	07166	N/A	DBB-109-H18	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-109-H24	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	12203	N/A	DBB-109-H24	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-101-H4	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16755	N/A	HBB-101-H4	1981	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date January 21, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP-92-3020G WA C23504, C23505, C23506,
Address C23507, C23508, C33092
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

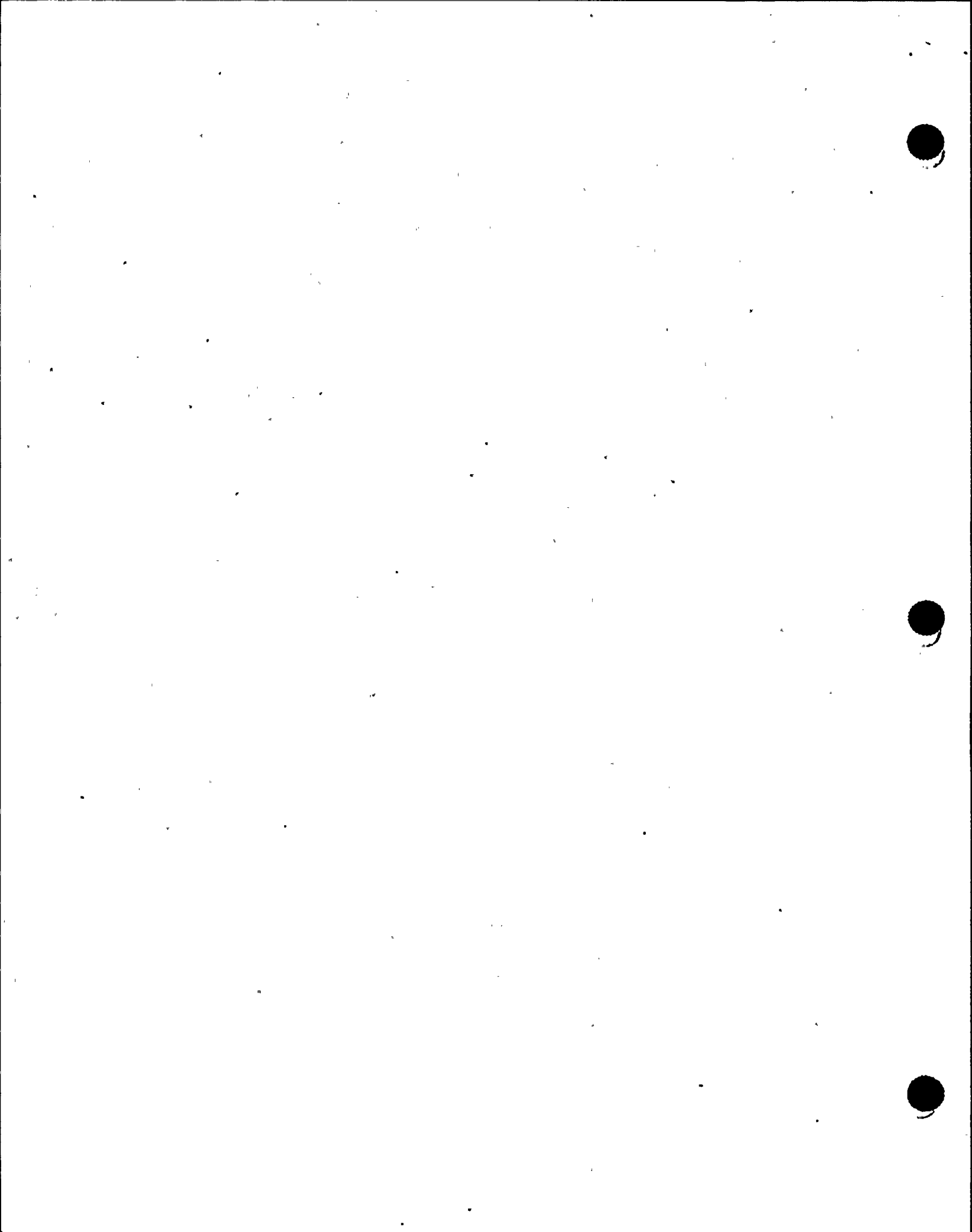
4. Identification of System RCIC SYSTEM 150B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-101-H10	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	12204	N/A	HBB-101-H10A	1980	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	12206	N/A	HBB-101-H10B	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2002	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21150	N/A	SP-DBB-109-H2002	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2003	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22968	N/A	SP-DBB-109-H2003	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2004	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	12969	N/A	SP-DBB-109-H2004	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2006	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	23049	N/A	SP-DBB-109-H2006	1981	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date January 21, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP-92-3020G WA C23504, C23505, C23506,
Address C23507, C23508, C33092
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A

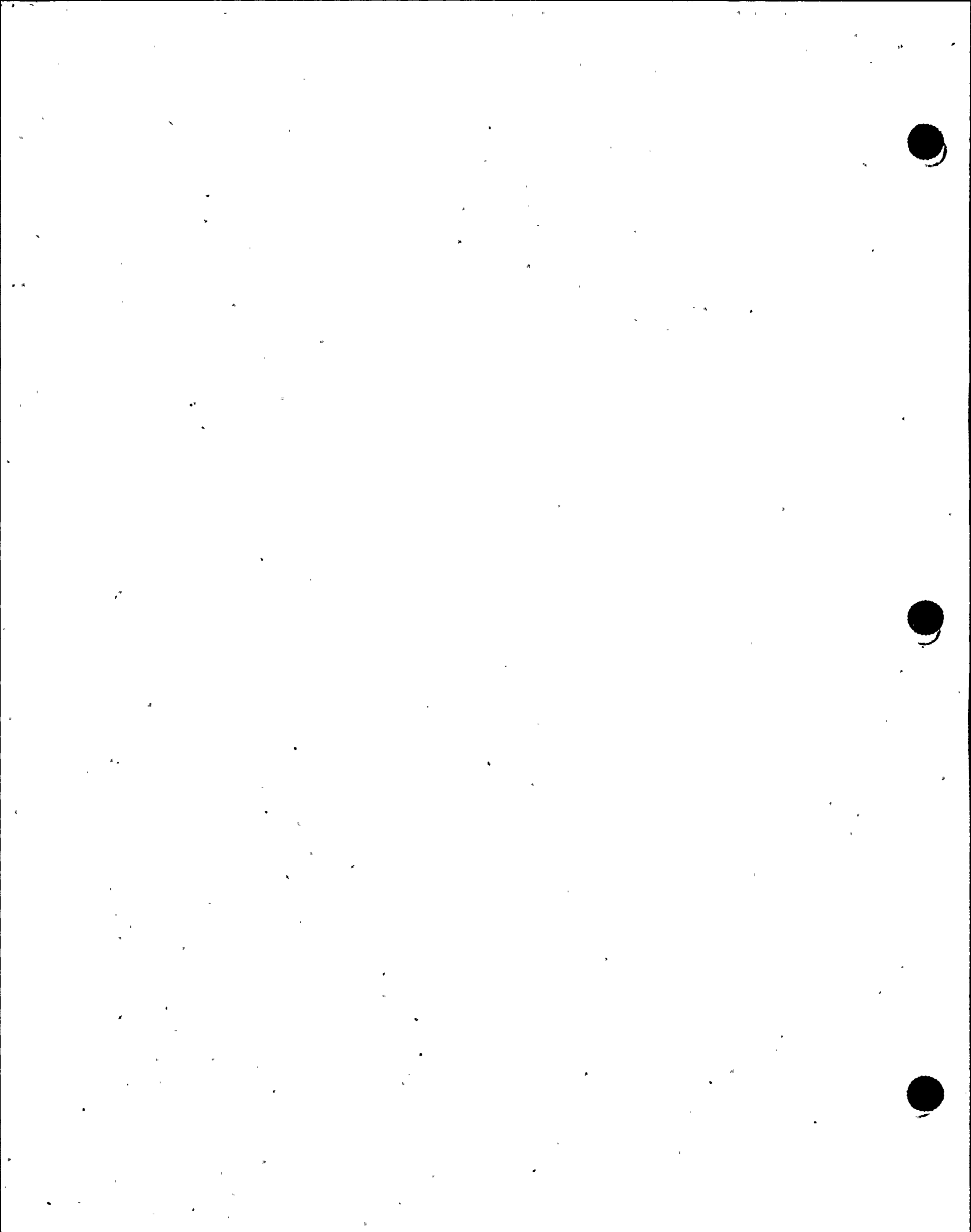
4. Identification of System RCIC SYSTEM 150B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2011	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	23030	N/A	SP-DBB-109-H2011	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2013	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	23027	N/A	SP-DBB-109-H2013	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-137-H2001	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	14389	N/A	SP-HBB-137-H2001	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-137-H2003	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21123	N/A	SP-HBB-137-H2003	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-137-H2004	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	10750	N/A	SP-HBB-137-H2004	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H9	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 January 21, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP-92-3020G WA C23504, C23505, C23506,
Address C23507, C23508, C33092
Repair Organization P.O. No., Job No., etc.

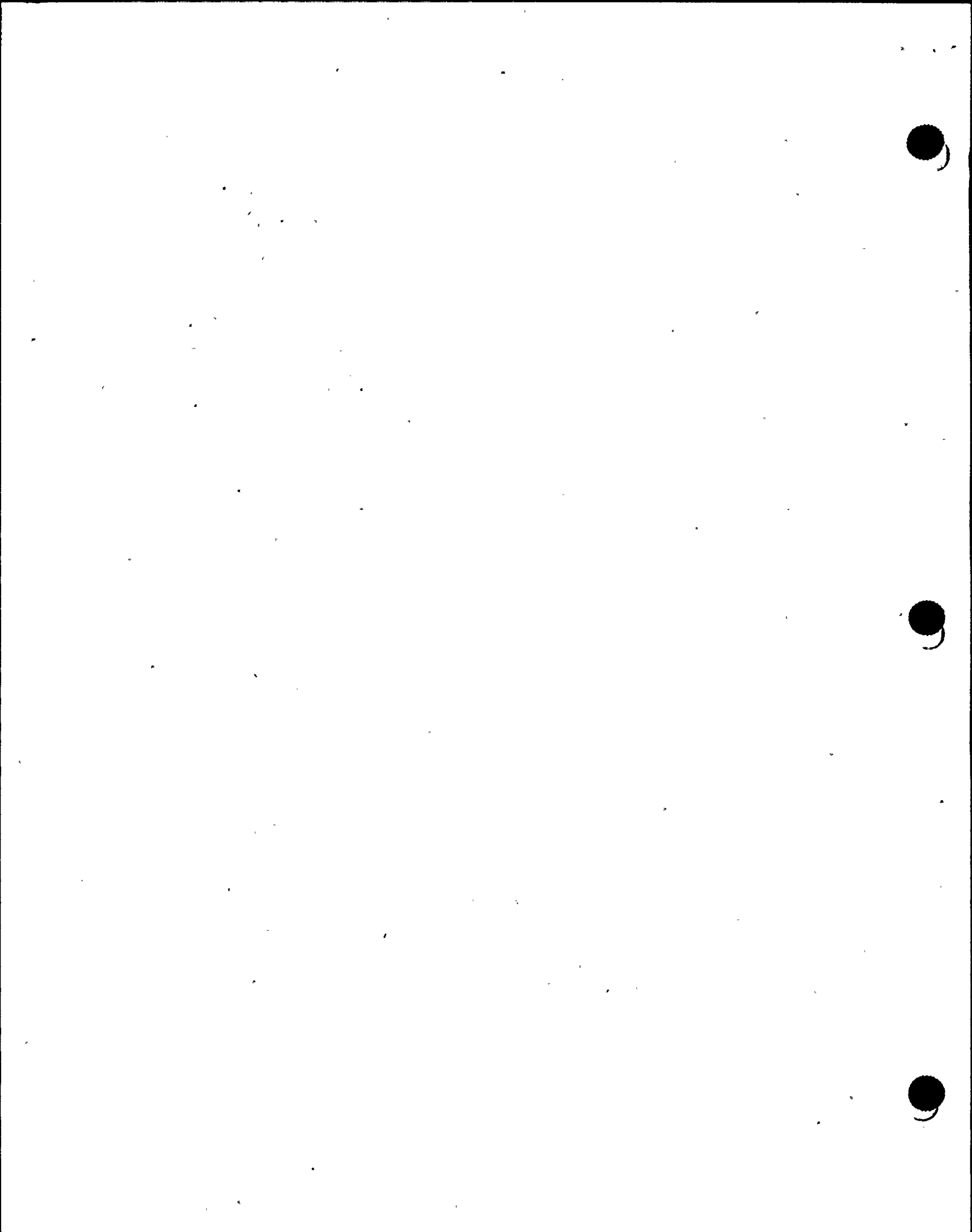
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RCIC SYSTEM 150B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
MECH. SNUBBER	PACIFIC SCIENTIFIC	07233	N/A	SP-DBB-109-H9	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H11	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03566	N/A	SP-DBB-109-H11	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2000	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22969	N/A	SP-DBB-109-H2000A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	23014	N/A	SP-DBB-109-H2000B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBD-113-H5	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03877	N/A	SP-DBD-113-H5	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-109-H19	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBB-109-H19	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2010	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 January 21, 1994
Name
 Two North Ninth St., Allentown, PA.18101 Sheet 6 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP-92-3020G WA C23504, C23505, C23506,
Address C23507, C23508, C33092
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RCIC SYSTEM 150B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2007	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	SP-DBB-109-H2007	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBB-109-H2012	1982	REPLACED	NO



FORM NIS-2 (Back)

9. Remarks

None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 2/27.19 94
Owner or Owner's Designee, Title VP-Nuc 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 12/20/93 to 2/28/94, 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 PAWC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28/94 19 94

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 January 25, 1994
 Sheet 1 of 3

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

Unit One
DCP 92-3020D C33019, C33020, C33021, C33022,
C33031, C33032, C33226, C33227
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System CORE SPRAY SYSTEM 151A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	DCA-109-H6	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00915	N/A	DCA-109-H6	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DCA-109-H7	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00914	N/A	DCA-109-H7	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DCA-109-H17	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DCA-109-H17	1993	REPLACEMENT	NO

7. Description of Work REMOVE SNUBBERS / NO REPLACEMENT / MODIFY SUPPORTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE X
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 2/27 19 94
Owner or Owner's Designee, Title VP-Nuc 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 6/6/93 to 2/6/94, 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 ANU
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 28 19 94

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 January 25, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 3
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020D C33019, C33020, C33021, C33022,
Address C33031, C33032, C33226, C33227
Repair Organization P.O. No., Job No., etc.

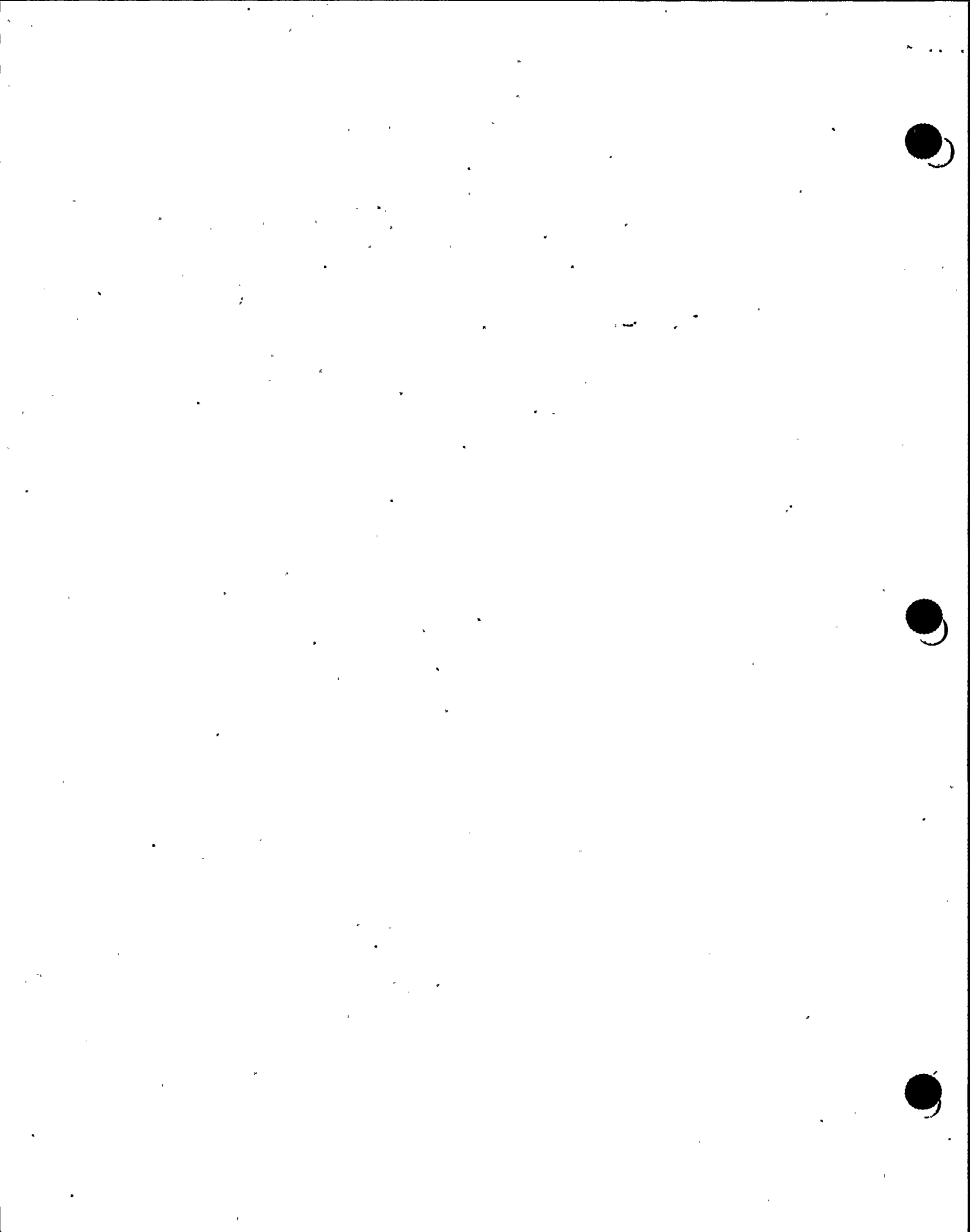
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CORE SPRAY SYSTEM 151A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	DCA-109-H18	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DCA-109-H18	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DCA-109-H9	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00887	N/A	DCA-109-H9	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DCA-109-H10	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00882	N/A	DCA-109-H10	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-107-H2	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28941	N/A	SP-DCA-107-H2	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-107-H2006	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22884	N/A	SP-DCA-107-H2006	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-107-H6	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 January 25, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 3
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020D C33019, C33020, C33021, C33022,
Address C33031, C33032, C33226, C33227
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A

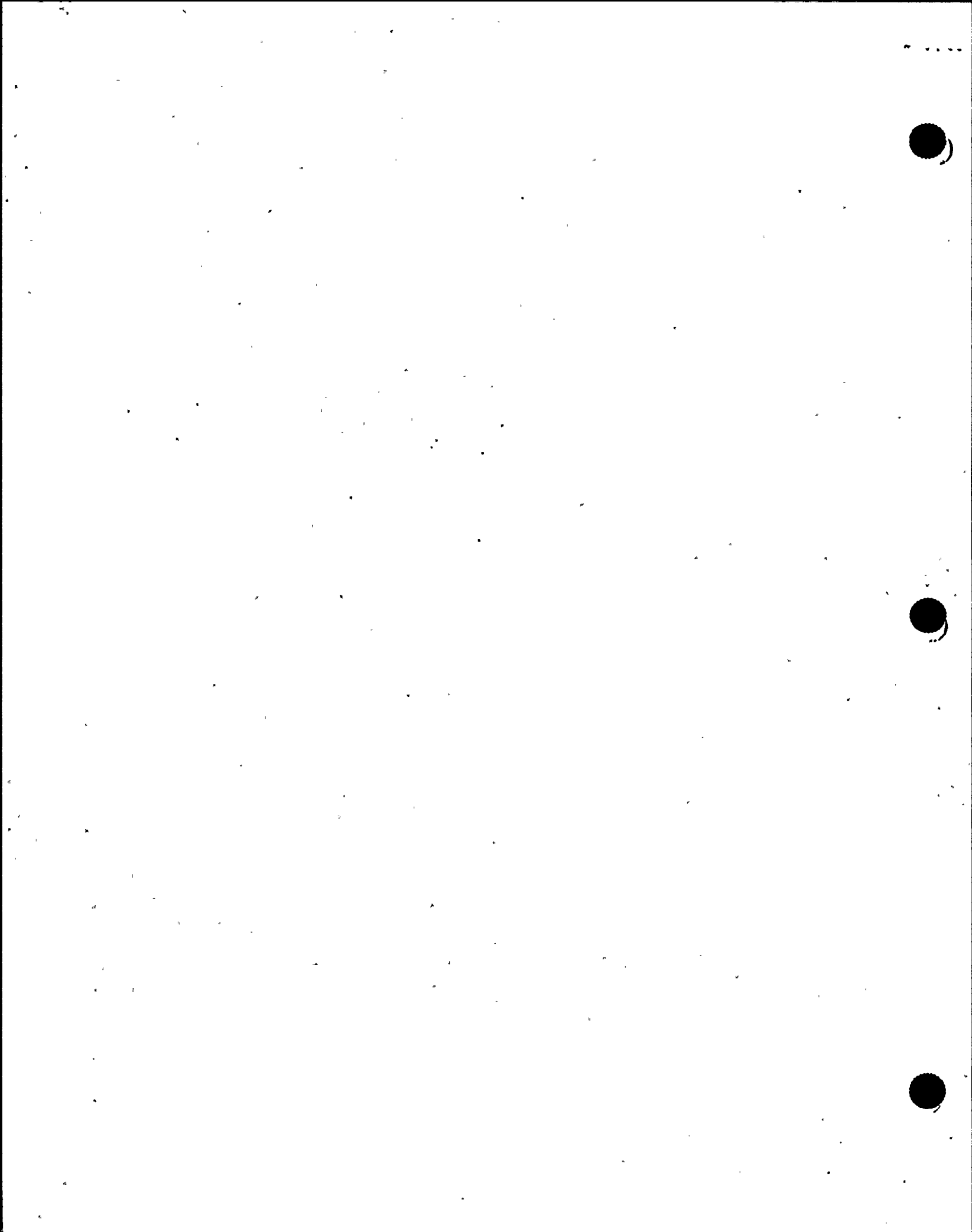
4. Identification of System CORE SPRAY SYSTEM 151A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	13122	N/A	SP-DCA-107-H6	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-107-H2002	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22883	N/A	SP-DCA-107-H2002	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-107-H2003	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28979	N/A	SP-DCA-107-H2003	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-107-H2004	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22963	N/A	SP-DCA-107-H2004	1981	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	SP-DCA-107-H2004	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-107-H2007	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22885	N/A	SP-DCA-107-H2007	1981	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	SP-DCA-107-H2007	1993	REPLACEMENT	NO



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

1. Owner Pennsylvania Power & Light Co.
Name

Date January 25, 1994

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit One

PO Box 467, Berwick, PA 18603
Address

DCP 92-3020C C33214
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System CORESPRAY SYSTEM 151A CLASSII

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-101-H9	1982	REPLACED	N/A
PIPE SUPPORT	PP & L	N/A	N/A	GBB-101-H9	1993	REPLACEMENT	NO

7. Description of Work ADD STEEL TO EXISTING SUPPORTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE X
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 12/21/93 to 2/28/94, 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 PA WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28, 19 94

**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 January 22, 1994

Sheet 1 of 5

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

Unit One

 DCP 92-3020D C33023, C33024, C33025, C33026,
C33027, C33028, C33029, C33030
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System CORE SPRAY SYSTEM 151A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H12	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02429	N/A	HBB-104-H12	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H13	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02098	N/A	HBB-104-H13	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H16	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06069	N/A	HBB-104-H16	1978	REPLACED	N/A

7. Description of Work REMOVE SNUBBERS / NO REPLACEMENT /MODIFY SUPPORTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE X
 Other Pressure psl 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

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 SBA [Signature] Date 2/27 19 94
Owner or Owner's Designee, Title VP-Nuc 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 6/29/93 to 2/11/94, 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 Feb 28 19 94

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 January 22, 1994

Sheet 2 of 5

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

Unit ONE

DCP 92-3020D C33023, C33024, C33025, C33026,
C33027, C33028, C33029, C33030
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System CORE SPRAY SYSTEM 151A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H34	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02123	N/A	HBB-104-H34	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H35	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	09489	N/A	HBB-104-H35	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H39	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	11101	N/A	HBB-104-H39A	1978	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	04266	N/A	HBB-104-H39B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HCB-102-H4	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06939	N/A	HCB-102-H4	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H10	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	26083	N/A	HBB-104-H10	1986	REPLACED	N/A

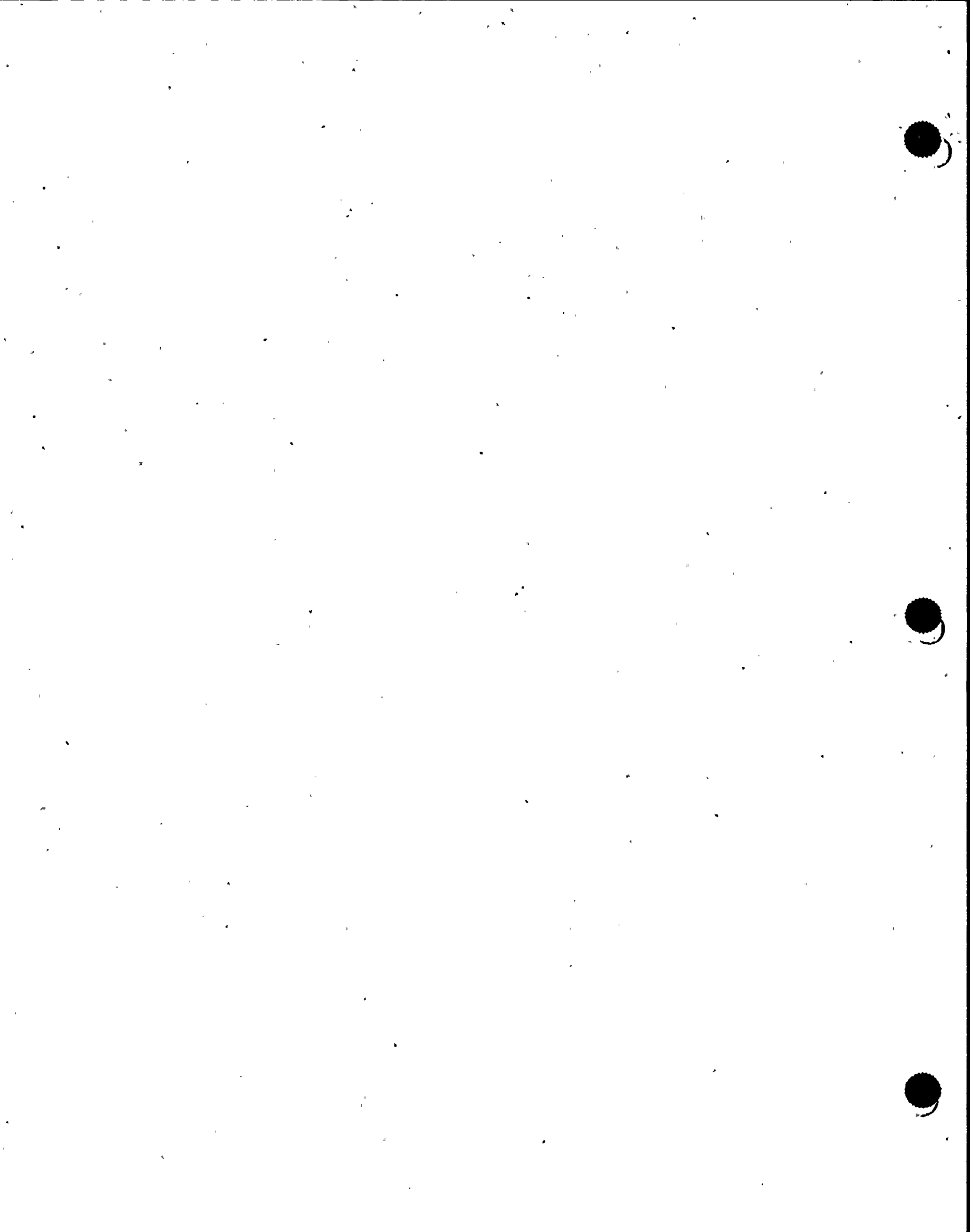


FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light Co. Date January 22, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020D C33023, C33024, C33025, C33026,
Address C33027, C33028, C33029, C33030
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CORE SPRAY SYSTEM 151A CLASS II
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H27	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	14453	N/A	HBB-104-H27	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H30	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21564	N/A	HBB-104-H30	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HCD-115-H14	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06954	N/A	HCD-115-H14A	1980	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	06938	N/A	HCD-115-H14B	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-104-H11	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03571	N/A	HBB-104-H11	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HCD-115-H3	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	HCD-115-H3	1993	REPLACEMENT	NO



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

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

Date January 22, 1994
 Sheet 4 of 5

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

Unit ONE
 DCP 92-3020D C33023, C33024, C33025, C33026,
 C33027, C33028, C33029, C33030
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System CORE SPRAY SYSTEM 151A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-101-H38	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01619	N/A	GBB-101-H38	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-101-H39	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03597	N/A	GBB-101-H39	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-102-H11	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	GBB-102-H11	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-102-H15	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	GBB-102-H15	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-101-H40	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01636	N/A	GBB-101-H40	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-101-H41	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 January 22, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020D C33023, C33024, C33025, C33026,
Address C33027, C33028, C33029, C33030
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CORE SPRAY SYSTEM 151A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
MECH. SNUBBER	PACIFIC SCIENTIFIC	03794	N/A	GBB-101-H41	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-102-H23	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	04030	N/A	GBB-102-H23	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	GBB-102-H18	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	GBB-102-H18	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-101-H2002	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	09935	N/A	SP-GBB-101-H2002	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-GBB-101-H2022	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	05004	N/A	SP-GBB-101-H2022	1978	REPLACED	N/A

17
A
r
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
 Two North Ninth St., Allentown, PA 18101
Address

Date January 25, 1994
 Sheet 1 of 2

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

Unit One
 DCP 92-3020C C33213, C33208
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System HPCI SYSTEM 152A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-120-H18	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08292	N/A	DBB-120-H18	1980	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	DBB-120-H18	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-120-H24	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06960	N/A	DBB-120-H24	1980	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	DBB-120-H24	1993	REPLACEMENT	NO

7. Description of Work REMOVE SNUBBERS / NO REPLACEMENT / MODIFY SUPPORTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE X
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks

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 SL-401 N/A

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

Signed [Signature] Date 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 5/25/93 to 1-6-94, 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 PA.WC.24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 28 19 94

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 January 25, 1994
 Sheet 2 of 2

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

Unit One
DCP 92-3020C C33213, C33208
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System HPCI SYSTEM 152A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-120-H27	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03483	N/A	DBB-120-H27	1978	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	DBB-120-H27	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-120-H28	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	14774	N/A	DBB-120-H28	1983	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	DBB-120-H28	1993	REPLACEMENT	NO

11/11/11

11/11/11

11/11/11

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 January 25, 1994
 Sheet 1 of 1

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

Unit One
DCP 92-3020E WA C33115
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System HPCI SYSTEM 152A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
PIPE SUPPORT	BECHTEL	N/A	N/A	EBB-102-H18	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	EBB-102-H18	1993	REPLACEMENT	NO

7. Description of Work ADD STIFFNERS TO EXISTING SUPPORTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE X
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks

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 2/27 19 94
Owner or Owner's Designee, Title VP-Nuc 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 1/1/93 to 2/28/94, 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 WQ 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 94

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 JANUARY 23, 1994
 Sheet 1 of 1

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

Unit One
 PMR 94-9000 / Work Authorization C43010
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System HIGH PRESSURE COOLANT INJECTION SYSTEM 152A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	EBB-102-H24	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	EBB-102-H25	1982	REPLACED	NO

7. Description of Work Remove supports that were found to have caused an overstressed condition.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 6/22/93 to 1-9-94, 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 23416 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-28- 19 94

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 January 31, 1994

Sheet 1 of 10

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

Unit One

89-9153B WA's C33296,C33301,C33302,C33303,
C33304,C33297,C33298,C33299,C33300
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

2" MANUAL ISO VALVE	YARWAY	5776	NA	111-107A	1976	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC126-H18	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC126-H19	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC126-H2003	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC126-H2004	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC126-H20	1982	REPLACED	NO

7. Description of Work Install spool pieces. Remove obsolete ESW piping, valves and supports.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 200 psi Test Temp. 63 °F

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

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORT(S) ATTACHED

Applicable Manufacturer's Data Reports to be attached

*CONSTRUCTION CODE FOR NEW 1" YARWAY VLV's IS ASME SECTION III 1986 EDITION

NO ADDENDA

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 2/27, 19 94
Owner or Owner's Designer, Title VP-Nuc 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 10/2/93 to 1/31/94, 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 PA WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 94

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 January 31, 1994
 Sheet 2 of 10

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

Unit One
 89-9153B WA's C33296,C33301,C33302,C33303,
 C33304,C33297,C33298,C33299,C33300
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER " SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	NA	NA	SPHRC126-H21	1982	REPLACED	NO
2" MANUAL ISO VALVE	YARWAY	5702	NA	111106A	1976	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2012	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2013	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H3	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H4	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC127-H2015	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H5	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H6	1982	REPLACED	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-124-2	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 January 31, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 10
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 89-9153B WA's C33296,C33301,C33302,C33303,
Address C33304,C33297,C33298,C33299,C33300
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" MANUAL ISO VALVE	YARWAY	5701	NA	111106B	1976	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H2	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H3	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H2004	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H4	1982	REPLACED	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SPHRC-123-2	1982	REPLACED	YES
2" MANUAL ISO VALVE	YARWAY	5724	NA	111107B	1976	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2002	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H1	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H4	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 January 31, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 10
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 89-9153B WA's C33296,C33301,C33302,C33303,
Address C33304,C33297,C33298,C33299,C33300
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80 SEE REMARKS
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2003	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H3	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H5	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H6	1982	REPLACED	NO
2" MANUAL ISO VALVE	YARWAY	5756	NA	111107C	1976	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC130-H2050	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC130-H1	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC130-H2	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC130-H3	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC130-H4	1982	REPLACED	NO
2" MANUAL ISO VALVE	YARWAY	5736	NA	111106C	1976	REPLACED	YES

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

1. Owner Pennsylvania Power & Light Co. Date January 31, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 89-9153B WA's C33296,C33301,C33302,C33303,
Address C33304,C33297,C33298,C33299,C33300
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

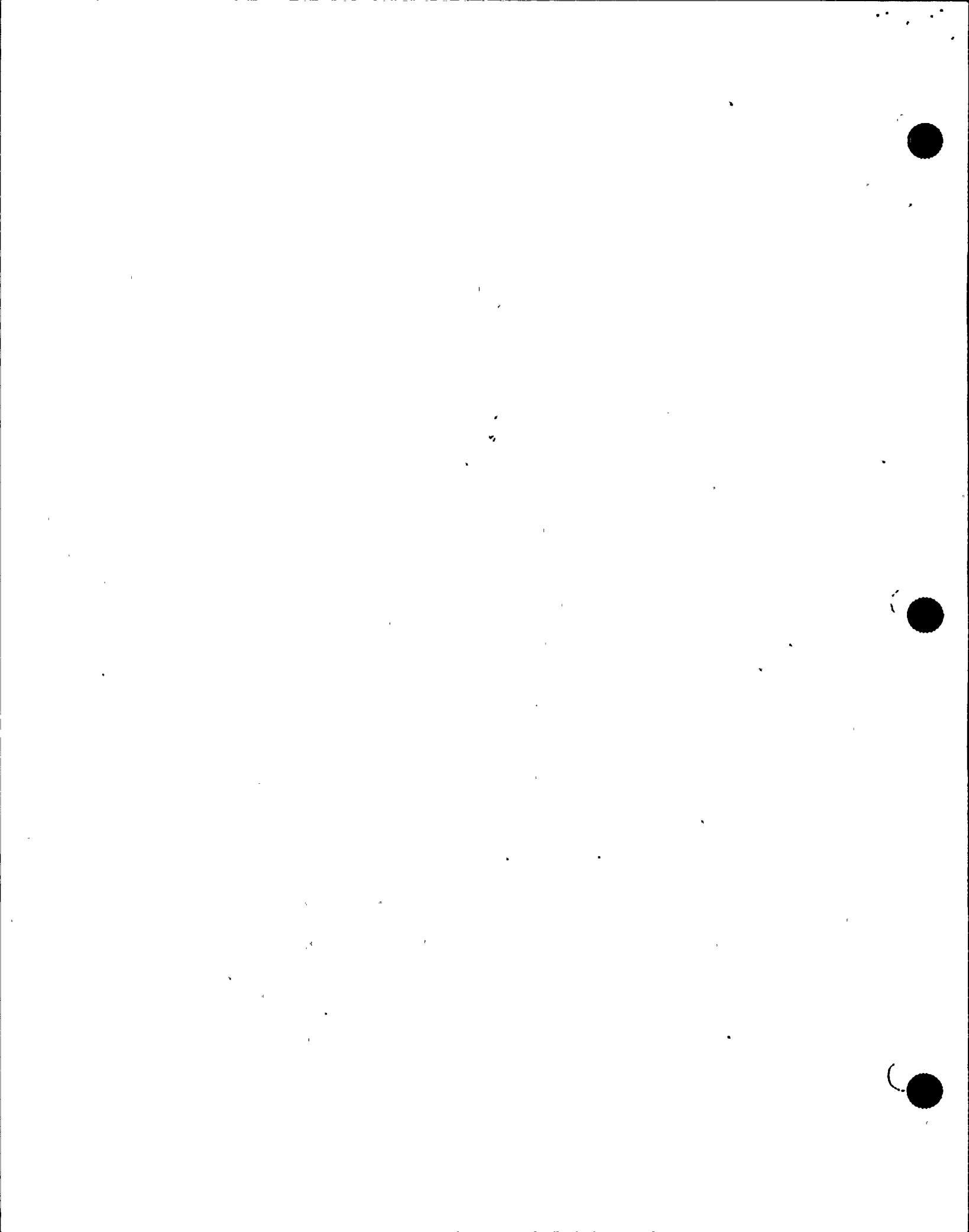
4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	NA	NA	SPHRC131-H9	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC131-H2053	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC131-H10	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC131-H2054	1982	REPLACED	NO
2" MANUAL ISO VALVE	YARWAY	A0095	NA	111106D	1976	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H51	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H2011	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H52	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC124-H39	1982	REPLACED	NO
2" MANUAL ISO VALVE	YARWAY	5713	NA	111107D	1976	REPLACED	YES
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H41	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 January 31, 1994

Sheet 6 of 10

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

Unit One

89-9153B WA's C33296,C33301,C33302,C33303,
C33304,C33297,C33298,C33299,C33300
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 Stamp None

Authorization No. N/A

Expiration Date N/A

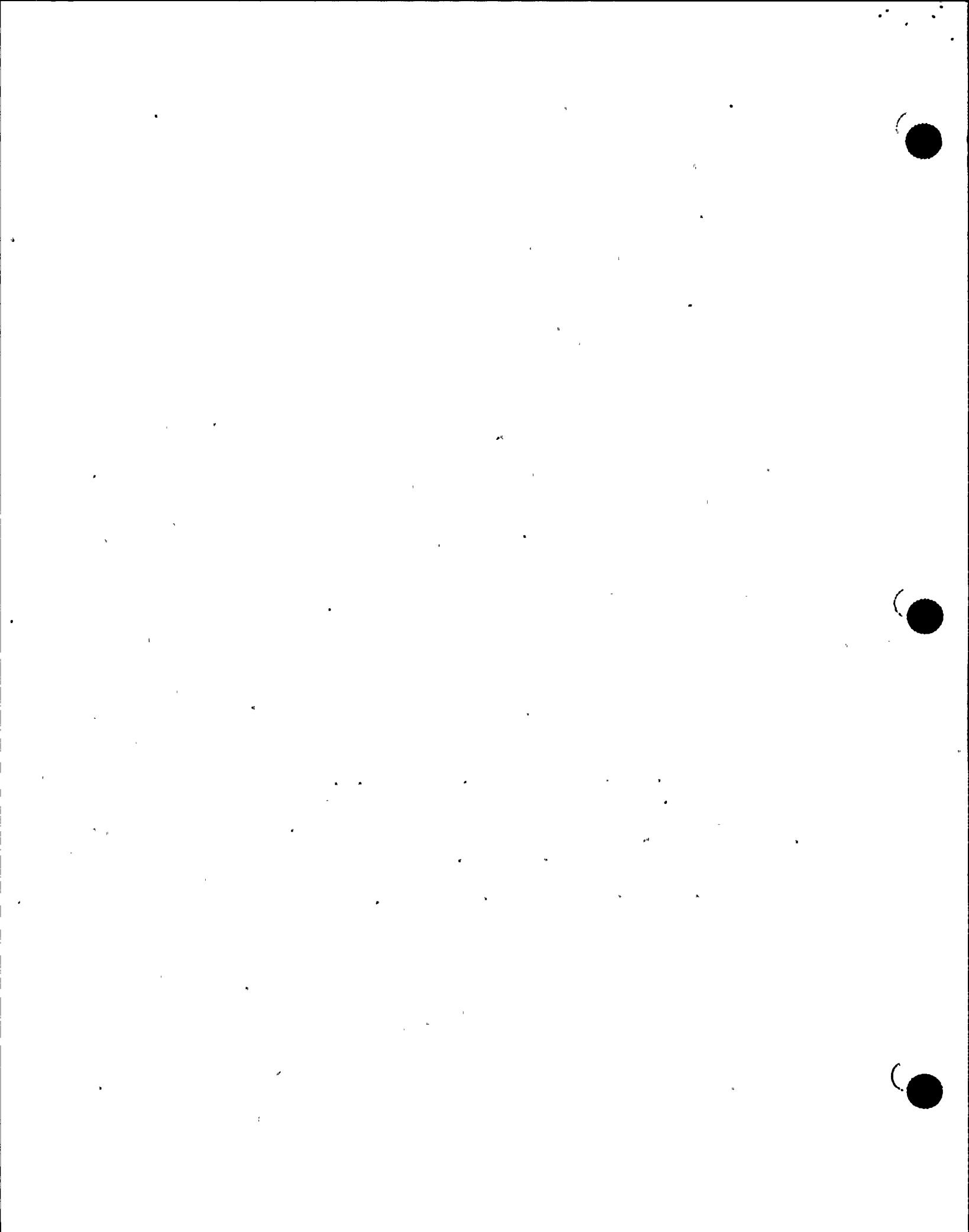
4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2004	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H40	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123 - H2010	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H39	1982	REPLACED	NO
PIPE SUPPORT	BECHTEL	NA	NA	SPHRC123-H2011	1982	REPLACED	NO
1" VALVE	YARWAY	A0382	NA	111129A	1977	REPLACED	YES
1" VALVE	YARWAY	C0579	NA	111129A	1990	REPLACEMENT	YES
1" VALVE	YARWAY	5479	NA	111128C	1976	REPLACED	YES
1" VALVE	YARWAY	C0763	NA	111128C	1990	REPLACEMENT	YES
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HRC-127-2	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HRC-127-2	1993	REPLACEMENT	NO



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

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

Date January 31, 1994

Sheet 7 of 10

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

Unit One

89-9153B WA's C33296,C33301,C33302,C33303,
C33304,C33297,C33298,C33299,C33300
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-140-3	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-140-3	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HRC-126-5	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HRC-126-5	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-139-3	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-139-3	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HRC-123-7	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HRC-123-7	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-139-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-139-1	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HRC-124-8	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.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date January 31, 1994

Sheet 8 of 10

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

Unit One

 89-9153B WA's C33296,C33301,C33302,C33303,
C33304,C33297,C33298,C33299,C33300
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HRC-124-8	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-140-2	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-140-2	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HRC-130-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HRC-130-1	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-139-2	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-139-2	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HRC-130-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HRC-130-1	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-139-2	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-139-2	1993	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co.
Name

Date January 31, 1994

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 9 of 10

2. Plant Susquehanna Steam Electric Station
Name

Unit One

 PO Box 467, Berwick, PA 18603
Address

 89-9153B WA's C33296,C33301,C33302,C33303,
C33304,C33297,C33298,C33299,C33300
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80 SEE REMARKS

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HRC-131-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HRC-131-1	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-140-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-140-1	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HRC-123-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HRC-123-1	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-139-4	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-139-4	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HRC-124-1	1982	REPLACED	YES
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HRC-124-1	1993	REPLACEMENT	NO
SMALL PIPE ASSEMBLY	BECHTEL	NA	NA	SP-HBC-140-4	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.
Name
Two North Ninth St., Allentown, PA 18101
Address

Date January 31, 1994

Sheet 10 of 10

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

Unit One

89-9153B WA's C33296,C33301,C33302,C33303,
C33304,C33297,C33298,C33299,C33300
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 Stamp None

Authorization No. N/A

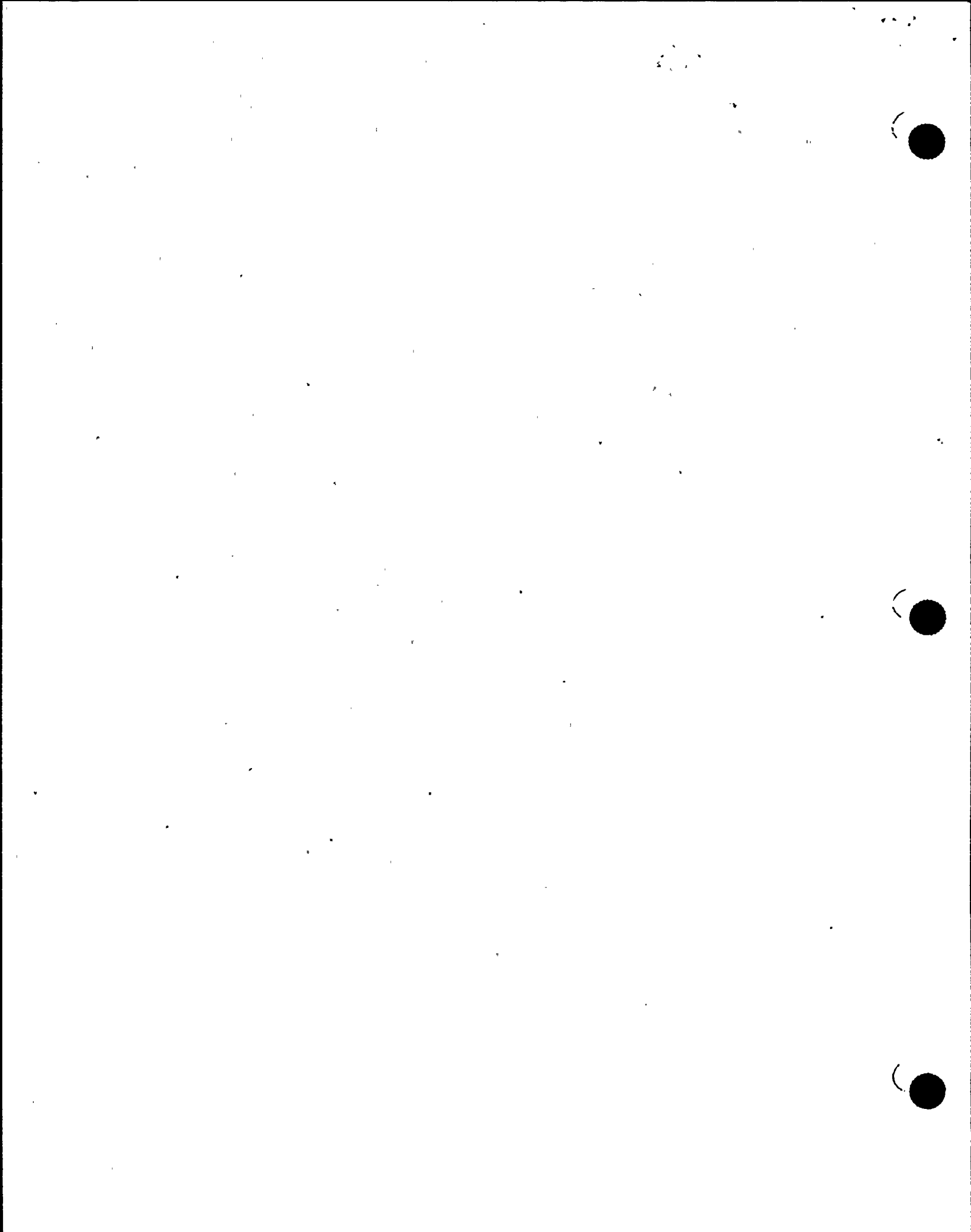
Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case*
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80 SEE REMARKS

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)
SMALL PIPE ASSEMBLY	PPL	NA	NA	SP-HBC-140-4	1993	REPLACEMENT	NO



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 nsa #27 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.

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 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 Jim. Hinko Commissions Pa. 2006
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

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 MSH (ANS) 9/15/50

(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.

90-0705
 40 5/0

FORM NPV-1 (back)

8. Remarks Nuclear Service Valves, Qty. 1
Bonnet (column d) is replaced by backseat bushing in this valve design.

9. Design conditions --- psi --- °F or valve pressure class 1500 (1)

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 C. J. Row
(IN 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 Am. Hinkel Commissions Pa. 2006
(Authorized Inspector) (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.
Name

Date February 3, 1994

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit One

 PO Box 467, Berwick, PA 18603
Address

 DCP 93-3027, 93-3028, WA C33291, C33292

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System 152B-I, High Pressure Coolant Injection

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve Disc	Anchor Darling Valve Co	U6767	NA	HV155F002	1993	Replacement	Y
Valve Disc	Anchor Darling Valve Co	E949	NA	HV155F002	1975	Replaced	Y
Valve Bonnet	Anchor Darling Valve Co	2	NA	HV155F002	1975	Replaced	Y
Valve Bonnet	Anchor Darling Valve Co	841G-3	NA	HV155F002	1990	Replacement	Y
Valve Disc	Anchor Darling Valve Co	G255	NA	HV155F003	1975	Replaced	Y
Valve Disc	Anchor Darling Valve Co	U6766	NA	HV155F003	1993	Replacement	Y

7. Description of Work Replace valve actuators: HV155F002, HV155F003

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-2; SE-100-002
 Other Pressure 1020 psi Test Temp. 163 °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 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 - 841G-3 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. D13120 Drawing Prepared by Anchor/Darling Valve Company
- (b) Description of Part Inspected Bonnet, Heat No. A1001 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 EB557-1
Reference Bonnet Assembly Drawing C31975
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 9/13 19 90 Signed Anchor/Darling Valve Co. By R L Stannett
(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

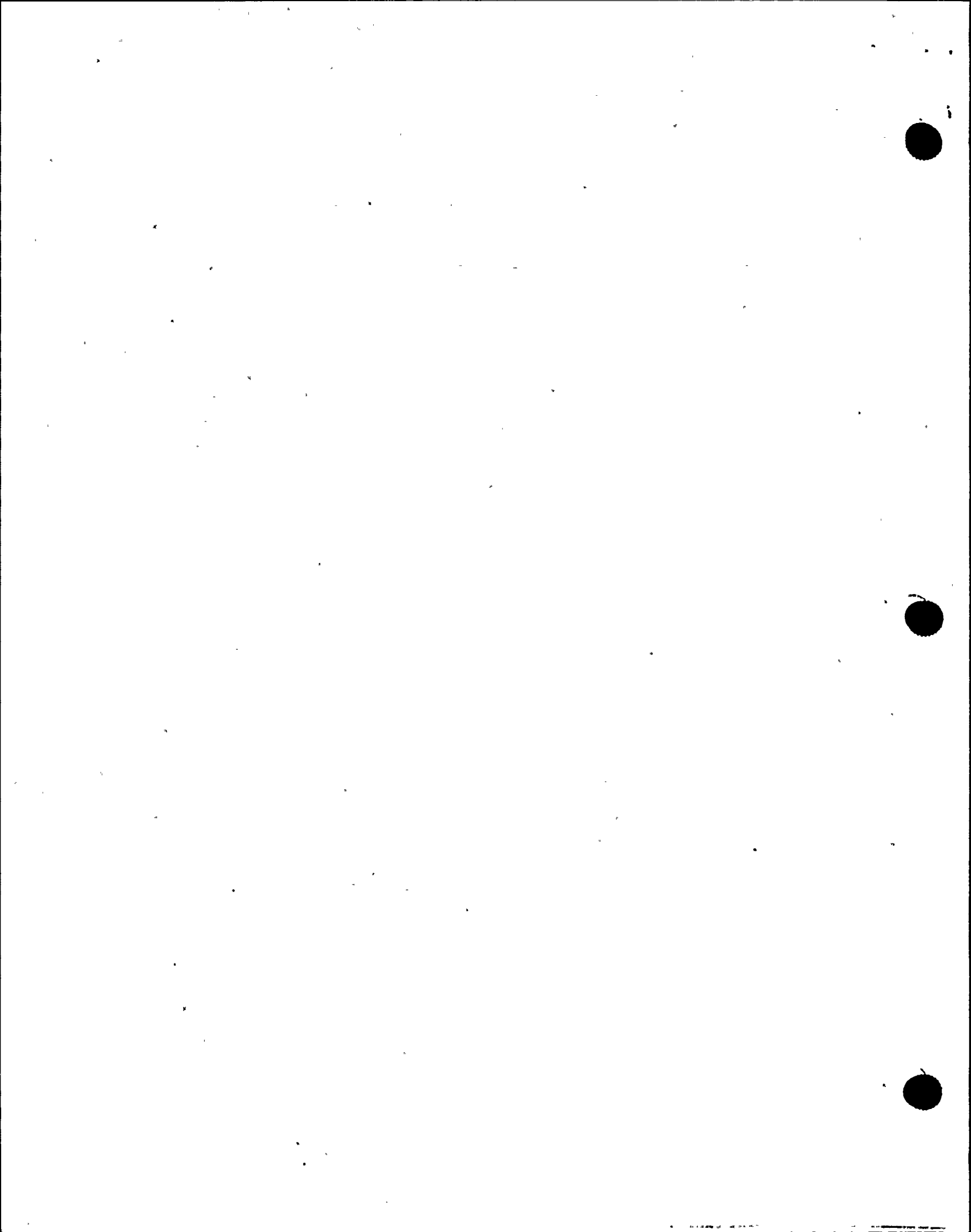
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 8-17-90 thru 9-13-90 19 90, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date 9-13 19 90

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

*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 on this Data Report is provided 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

- 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 Company, 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 - U6766 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. D13507 Drawing Prepared by Anchor/Darling Valve Company
- (b) Description of Part Inspected Disc, Heat No. V6116 SA216-WCB
- (c) Applicable ASME Code: Section III, Edition 1971, Addenda date Wnt '72, Case No. --- Class 1
- 3. Remarks: 10"-655#-FW Gate
(Brief description of service for which component was designed)
A/DV Shop Order ET361-5
Note: No Disc Hydro Performed

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

Date 9/2 1993 Signed Anchor/Darling Valve Co. By R. J. Hammett
(NPT Certificate Holder)
Certificate of Authorization Expires 4/15/95 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 ~~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 on EH-93 / An 9-2-93 1993, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 9-2 1993
Charles Young Commissions 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 1-3 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is returned to user in "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

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 U6767 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. D13507 Drawing Prepared by Anchor/Darling Valve Company
- (b) Description of Part Inspected Disc, Heat No. V6116 SA216-WCB
- (c) Applicable ASME Code: Section III, Edition 1971, Addenda date Wnt '72, Case No. --- Class 1
3. Remarks: 10"-655#-FW Gate
(Brief description of service for which component was designed)
A/DV Shop Order ET361-5
Note: No Disc Hydro Performed

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

Date 9/2 19 93 Signed Anchor/Darling Valve Co. By R L Stannett
(NPT Certificate Holder)
 Certificate of Authorization Expires 4/15/95 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

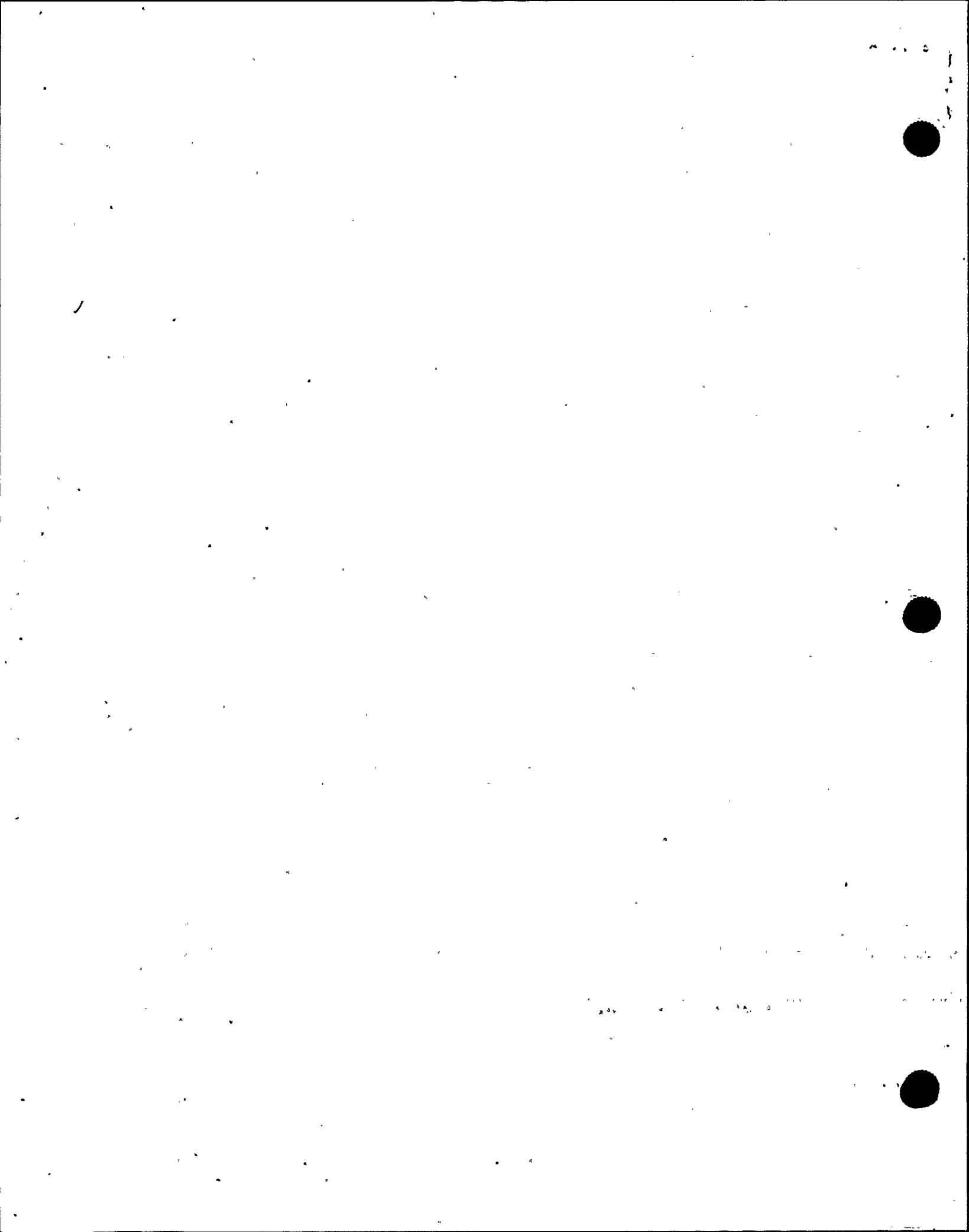
Design information on file at _____
 Stress analysis report on file at _____
 Design specifications certified by _____ Prof. Eng. State _____ Reg. No. _____
 Stress analysis report certified by _____ Prof. Eng. State _____ Reg. No. _____

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 ~~XXXXXX~~ 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 B-4-93 thru 9-2-93 19 93, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 9-2 19 93
Charles Young Commissions Pennsylvania 2392
National Board, State, Province and No.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also is 8 1/2" x 11", (2) information on items 1-2 on this Data Report is entered on each sheet, and (3) each sheet is numbered and number of sheets is entered in the "Remarks" section.



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 January 25, 1994
 Sheet 1 of 5

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

Unit One
DCP-92-3020E WA C33106, C33107, C33108, C33109, C33110, C33111, C33112, C33113, C33116, C33346
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System HPCI SYSTEM 152B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-114-H3	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02808	N/A	DBB-114-H3	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-114-H4	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02826	N/A	DBB-114-H4	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-114-H10	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02644	N/A	DBB-114-H10	1977	REPLACED	N/A

7. Description of Work REMOVE SNUBBER / NO REPLACEMENT --MODIFY SUPPORTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE X
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 7/29/93 to 1-26-94, 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 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements
Date Feb 28, 19 94

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 January 25, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 DCP-92-3020E WA C33106, C33107, C33108, C33109,
Address C33110, C33111, C33112, C33113, C33116, C33346
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System HPCI SYSTEM 152B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-114-H29	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02061	N/A	DBB-114-H29	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-108-H2	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08609	N/A	HBB-108-H2	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-108-H11	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08608	N/A	HBB-108-H11	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-108-H12	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01327	N/A	HBB-108-H12A	1982	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	01326	N/A	HBB-108-H12B	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBA-102-H2000	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28777	N/A	SP-DBA-102-H2000	1982	REPLACED	N/A



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

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

Date January 25, 1994

Sheet 3 of 5

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

Unit ONE
DCP-92-3020E WA C33106, C33107, C33108, C33109, C33110, C33111, C33112, C33113, C33116, C33346
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 Stamp None

Authorization No. N/A

Expiration Date N/A

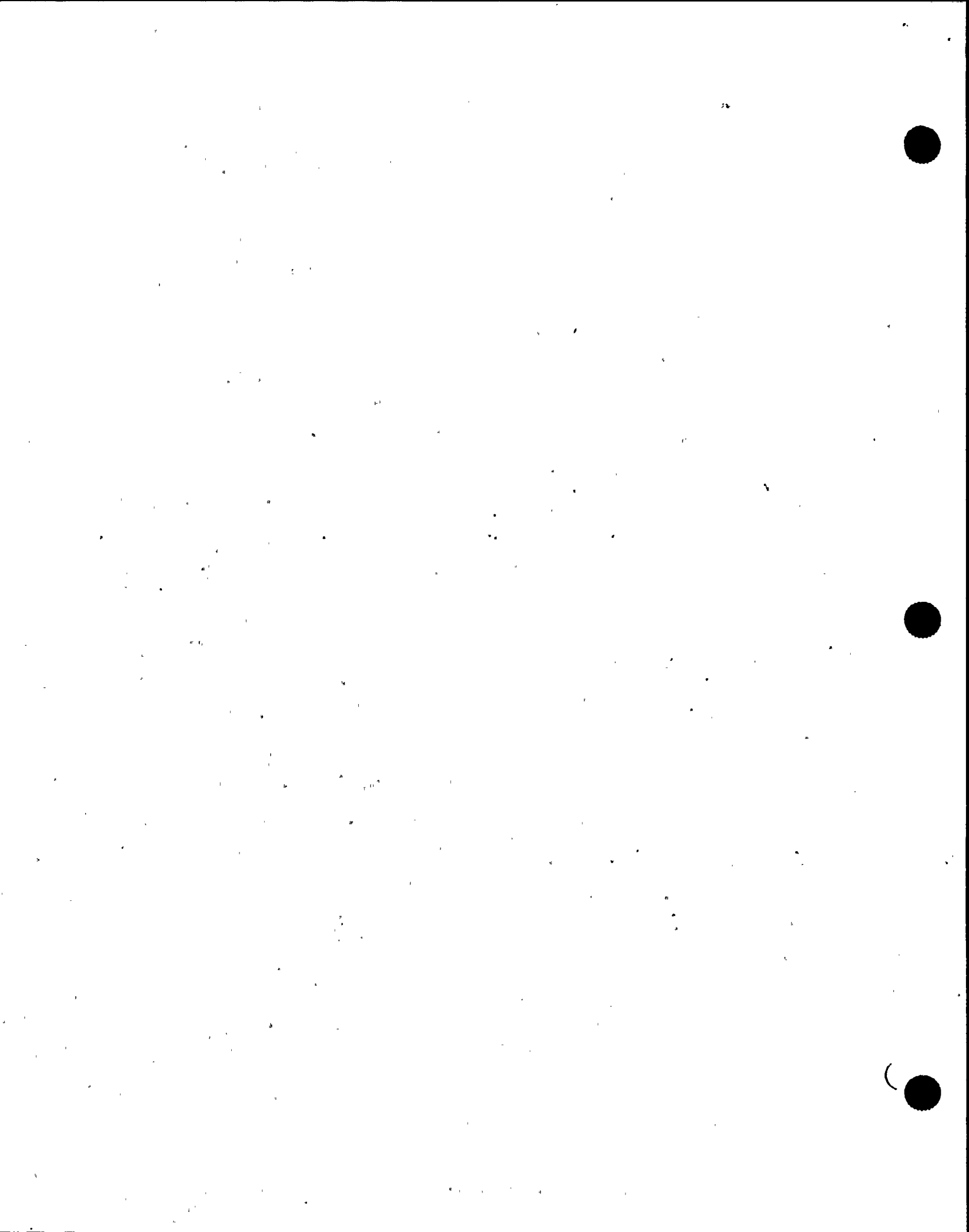
4. Identification of System HPCI SYSTEM 152B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBA-114-H2001	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	17239	N/A	SP-DBA-114-H2001	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBA-114-H2003	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21135	N/A	SP-DBA-114-H2003	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-135-H2002	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28948	N/A	SP-HBB-135-H2002	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-135-H4	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28990	N/A	SP-HBB-135-H4	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-135-H2007	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	09703	N/A	SP-HBB-135-H2007	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-135-H2008	1982	REPLACED	NO



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

1. Owner Pennsylvania Power & Light Co. Date January 25, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 4 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 DCP-92-3020E WA C33106, C33107, C33108, C33109,
Address C33110, C33111, C33112, C33113, C33116, C33346
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

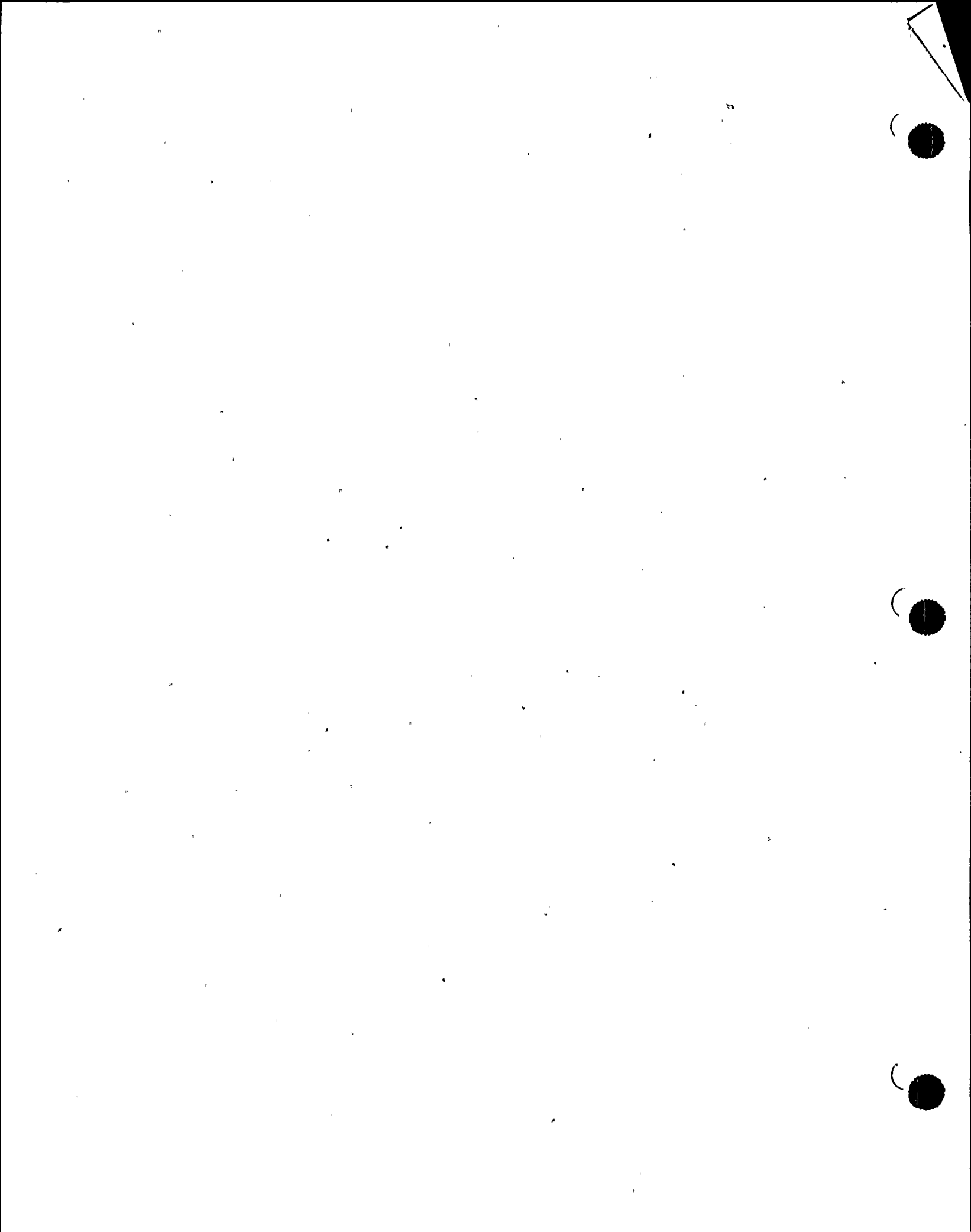
4. Identification of System HPCI SYSTEM 152B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	21115	N/A	SP-HBB-135-H2008	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-135-H2010	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13944	N/A	SP-HBB-135-H2010	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-108-H2004	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16871	N/A	SP-HBB-108-H2004	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBB-135-H2005	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21146	N/A	SP-HBB-135-H2005A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	23624	N/A	SP-HBB-135-H2005B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-108-H1	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	04850	N/A	HBB-108-H1	1979	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	HBB-108-H1	1993	REPLACEMENT	NO



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

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

Date January 25, 1994
 Sheet 5 of 5

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

Unit ONE
DCP-92-3020E WA C33106, C33107, C33108, C33109, C33110, C33111, C33112, C33113, C33116, C33346
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

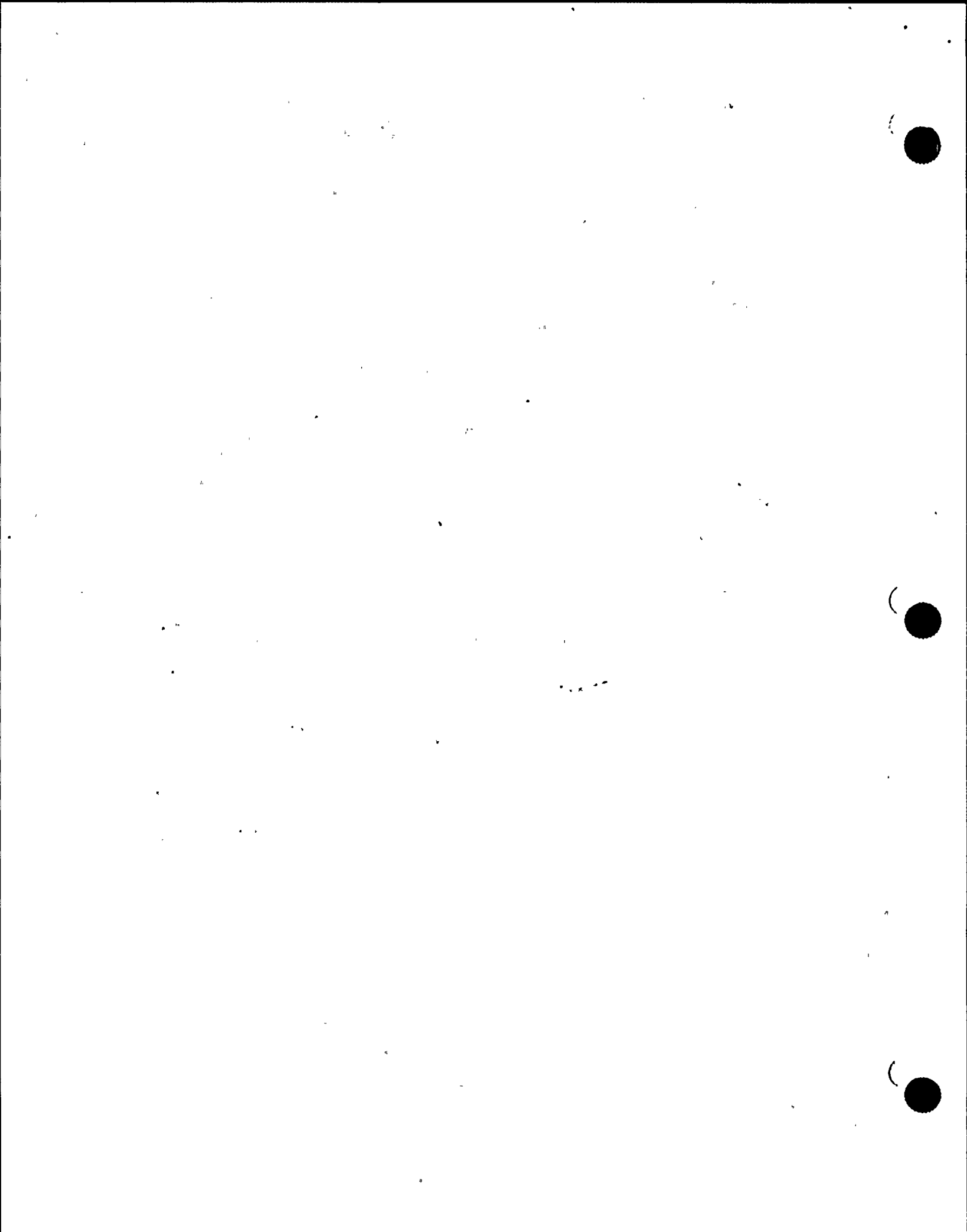
Type Code Symbol Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System HPCI SYSTEM 152B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
MECH. SNUBBER	PACIFIC SCIENTIFIC	08608	N/A	HBB-108-H1	1981	REPLACEMENT	N/A



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

1. Owner Pennsylvania Power & Light Co.
Name

Date 9 JANUARY, 1994

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit ONE

 PO Box 467, Berwick, PA 18603
Address

 DCP 92-3020J, WA # SEE REMARKS
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System STANDBY LIQUID CONTROL SYSTEM 153A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-JCD-107-H2004	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22975	N/A	SP-JCD-107-H2004	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCB-101-H26	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28940	N/A	SP-DCB-101-H26	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCB-101-H46	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16436	N/A	SP-DCB-101-H46	1980	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 WA # C23476

Applicable Manufacturer's Data Reports to be attached

CALC. # SR-877

CODE CASE N-411

REPLACEMENT CONSTRUCTION CODE ASME SECTION III '77 THRU S '79 ADDENDA

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 2/27 19 94
Owner or Owner's Designee, Title VP-Huc 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 6/6/93 to 1-8-94, 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 Feb 28 19 94

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 9 JANUARY, 1994

Two North Ninth St., Allentown, PA 18101
Address

Sheet 2 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit ONE

PO Box 467, Berwick, PA 18603
Address

DCP 92-3020J, WA # SEE REMARKS
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System STANDBY LIQUID CONTROL SYSTEM 153A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-105-H2008	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	23572	N/A	SP-HCB-105-H2008	1981	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date February 4, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 PMR # 91-3033B / WA'S C23176, C23177, C23178, AND C23216
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER, 154A, CLASS III

5. (a) Applicable Construction Code III: SEE REMARKS 19 71 Edition, thru W72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
CORROSION PROBE ROOT VALVE	TUFLINE	810348-2	N/A	RV-AE-11194	1976	REPLACEMENT	YES
CORROSION PROBE ROOT VALVE	TUFLINE	810347-3	N/A	RV-AE-11195	1976	REPLACEMENT	YES
LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	HRC-106-1	1982	REPLACED	YES
LARGE PIPE SUB-ASSEMBLY	PP&L	N/A	N/A	HRC-106-1	1992	REPLACEMENT	NO
SMALL PIPE SUB-ASSEMBLY	PP&L	N/A	N/A	SP-HRC-106-3	1992	REPLACEMENT	NO

7. Description of Work INSTALL NEW CORROSION PROBES AND ISOLATION VALVES IN THE UNIT # 1 REACTOR BUILDING ESW LOOP 'B' RETURN HEADER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 195 psi Test Temp. 87 °F

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

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORT(S) ATTACHED

Applicable Manufacturer's Data Reports to be attached

CONSTRUCTION CODE FOR TUFLINE VALVES IS ASME SECTION III 1974 EDITION, NO ADDENDA

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Ndc 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 10/4/93 to 2/4/94, 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 PA WX.24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 28 19 94

P-19-0
1 of 23

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

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Tufline Division
Xomox Corporation - Cincinnati, Ohio Order No. E-11503
(Name & Address of Manufacturer)

2. Manufactured for Bechtel Power Corporation Order No. 8856-P-19-AC
(Name and Address) Rev. 2

3. Owner Pennsylvania Power & Light Co.

4. Location of Plant Susquehanna Station - Berwick, PA

5. Pump or Valve Identification Our Item #2, Bechtel Item #3.4 - Two (2) Valves
2" 0696SW.316/316 ASTM A351 GR CF8M Body & Plug, ASTM A479 Type 316
(Brief description of service for which equipment was designed)
Stem w/UHMW Polyethylene Sleeve, w/SCH 40S. AO #G4531, Product Code -
810348-1 & -2, Tag: 2"-ECC-PL
(a) Drawing No. 24188-B-24189-C prepared by R. G. Smith
(b) National Board No. None

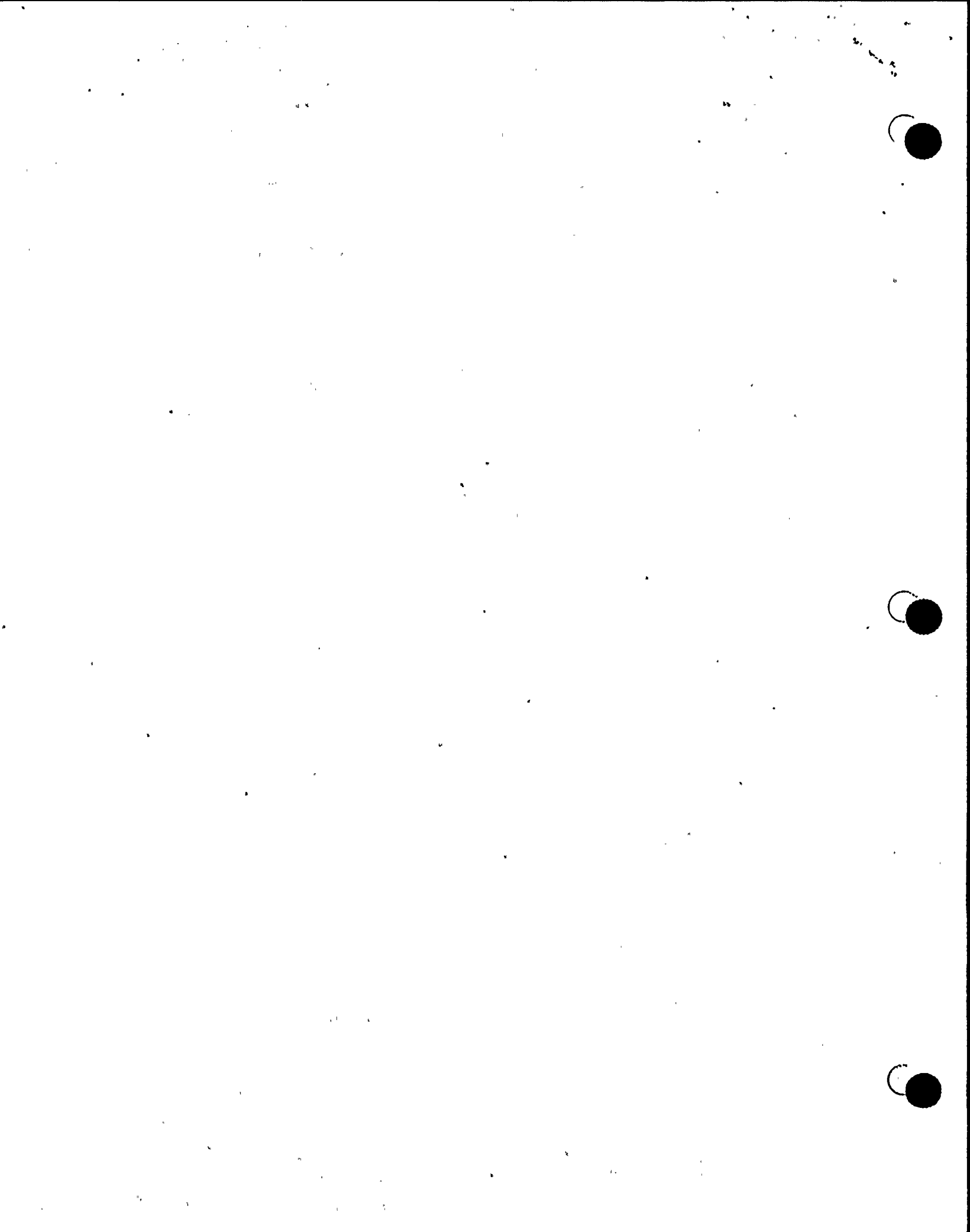
6. Design Conditions 1153 psi 150 °F **RECORD COPY**
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 3
 Edition 1974, Addenda Date None, Case No. None

0490

Part #	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings				
5566E-2	1 pc. Body	ASME SA351 CF8M	Lebanon Steel Foundry	
2210B-46	1 pc. Plug	ASTM A351 CF8M	Lebanon Steel Foundry	
2257B-50	1 pc. Cover	ASME SA351 CF8M	Lebanon Steel Foundry	
5563E-1	1 pc. Body	ASME SA351 CF8M	Lebanon Steel Foundry	
2210B-59	1 pc. Plug	ASTM A351 CF8M	Lebanon Steel Foundry	
2257B-32	1 pc. Cover	ASME SA351 CF8M	Lebanon Steel Foundry	
(b) Forgings				

*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
Heat # (c) Bolting			
CS 39 S423	Nuts	ASME-SA194-8	Allmetal Screw Products
	Studs	ASME-SA193-8B	Allmetal Screw Products
(d) Other Parts			

8. Hydrostatic test 1875 psi.

CERTIFICATION OF DESIGN

Design information on file at Tufline Division of Xomox Corporation
 Stress analysis report on file at _____
 Design specifications certified by _____ (I) Prof. Eng. State _____ Reg. No. _____
 Stress analysis report certified by B. H. Leonard, Jr. (I) Prof. Eng. State Texas Reg. No. 25165
 (I) Signature not required. List name only.

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

Date June 7 19 76 Signed Tufline Division Xomox Corporation By G. W. Fischer
 (Manufacturer)
 Certificate of Authorization No. N 1086 expires 5/6/78

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 _____ and employed by Commercial Union Ins. of Boston, Massachusetts have inspected the equipment described in this Data Report on 6-10 19 76, 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.

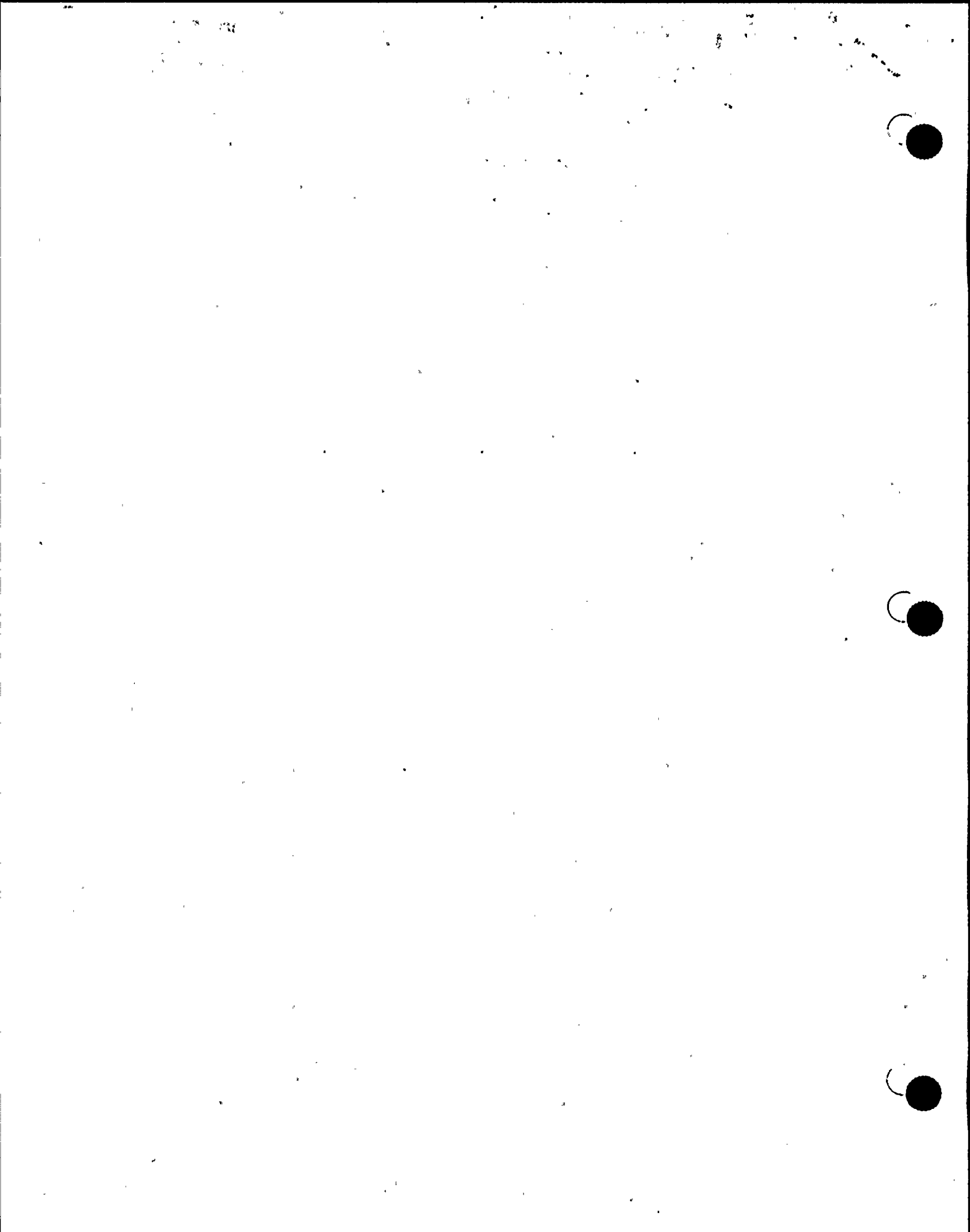
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss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

Date 6-10 19 76

RECORD COPY

Robert E. Brown Commissions NB 43 PC
 (Inspector) (National Board, State, Province and No.)

1 6 9 8 6 1 9 3 6 1 8 2 3 6 1 8



FOUR VALVE MANUFACTURERS DATA REPORT FOR NO. CLEAR PORTS OR VALVES

P-19-N
10FY1

As Required by the Provisions of the ASME Code Rules

- Tufline Division**
1. Manufactured by Xomox Corporation - Cincinnati, Ohio Order No. E-61503
(Name & Address of Manufacturer)
 2. Manufactured for Bechtel Power Corporation Order No. 8856-P-19-AC
(Name and Address) Rev. 2
 3. Owner Pennsylvania Power & Light Co.
 4. Location of Plant Susquehanna Station - Berwick, PA
 5. Pump or Valve Identification Four (4) Valves - 2" 0696SW 316/316 ASTM A351 GR CF8M
Body & Plug, ASTM A479 Type 316 Stem w/UHMW Polyethylene Sleeve w/Sch.
40S - A.O. #G4530, Product Code #810347-1 thru -4, Tag: 2"ECC-PL

(Brief description of service for which equipment was designed)

Our Item #1, Bechtel Item #3.3

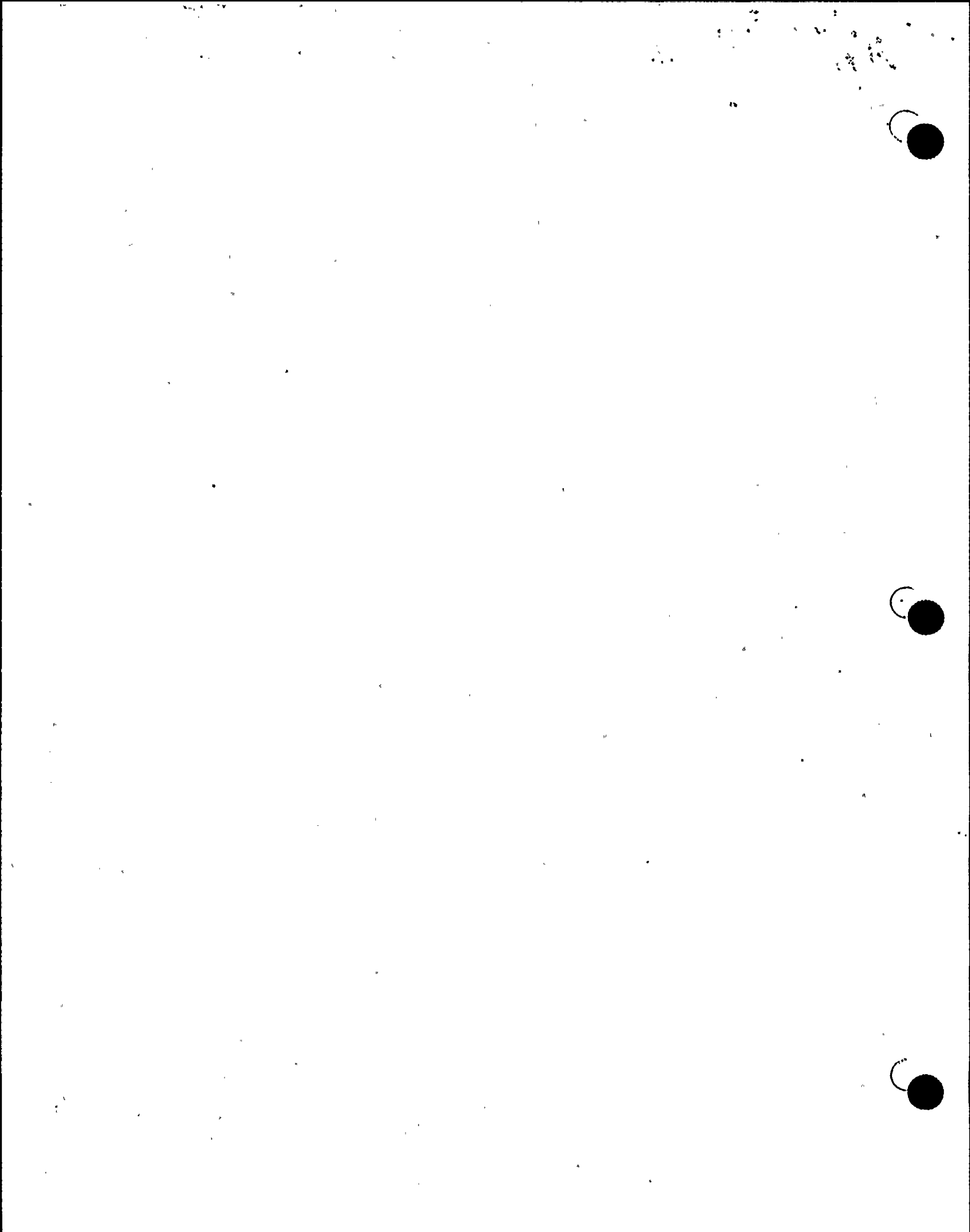
- (a) Drawing No. Z4189-C Prepared by R. G. Smith
Z4188-B
- (b) National Board No. None
6. Design Conditions 1153 psi 150 °F
(Pressure) (Temperature)
7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 3
- Edition 1974, Addenda Date None, Case No. None

Heat #	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings				
1684D-20 & -2	2 pc. Body	ASME SA351	CF8M Lebanon Steel Foundry	
S563E-2 & -7	2 pc. Body	ASME SA351	CF8M Lebanon Steel Foundry	
2210B-63, 37, 70, 82	4 pc. Plug	ASTM A351	CF8M Lebanon Steel Foundry	
2257B-60, 48, 13, 70	4 pc. Cover	ASME SA351	CF8M Lebanon Steel Foundry	
(b) Forgings				

RECORD COPY

*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.

293 0440



Heat 1
S423

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Nuts	ASME-SA194-8	304SS	Allmetal Screw Products
Studs	ASME-SA193-B8	304SS	Allmetal Screw Products
(d) Other Parts			

8. Hydrostatic test 1875 psi.

CERTIFICATION OF DESIGN

Design information on file at Tufline Division of Xomox Corporation
 Stress analysis report on file at _____
 Design specifications certified by _____ (1) Prof. Eng. State _____ Reg. No. _____
 Stress analysis report certified by B. H. Leonard, Jr. (1) Prof. Eng. State Texas Reg. No. 25165
 (1) Signature not required. List name only.

We certify that the statements made in this report are correct.
 Date June 7 19 76 Signed Tufline Division Xomox Corporation By G. W. Fischer
 (Manufacturer)
 Certificate of Authorization No. N 1086 expires 5/6/78

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 _____ and employed by Commercial Union Ins. of Boston, Massachusetts have inspected the equipment described in this Data Report on 6-10 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.

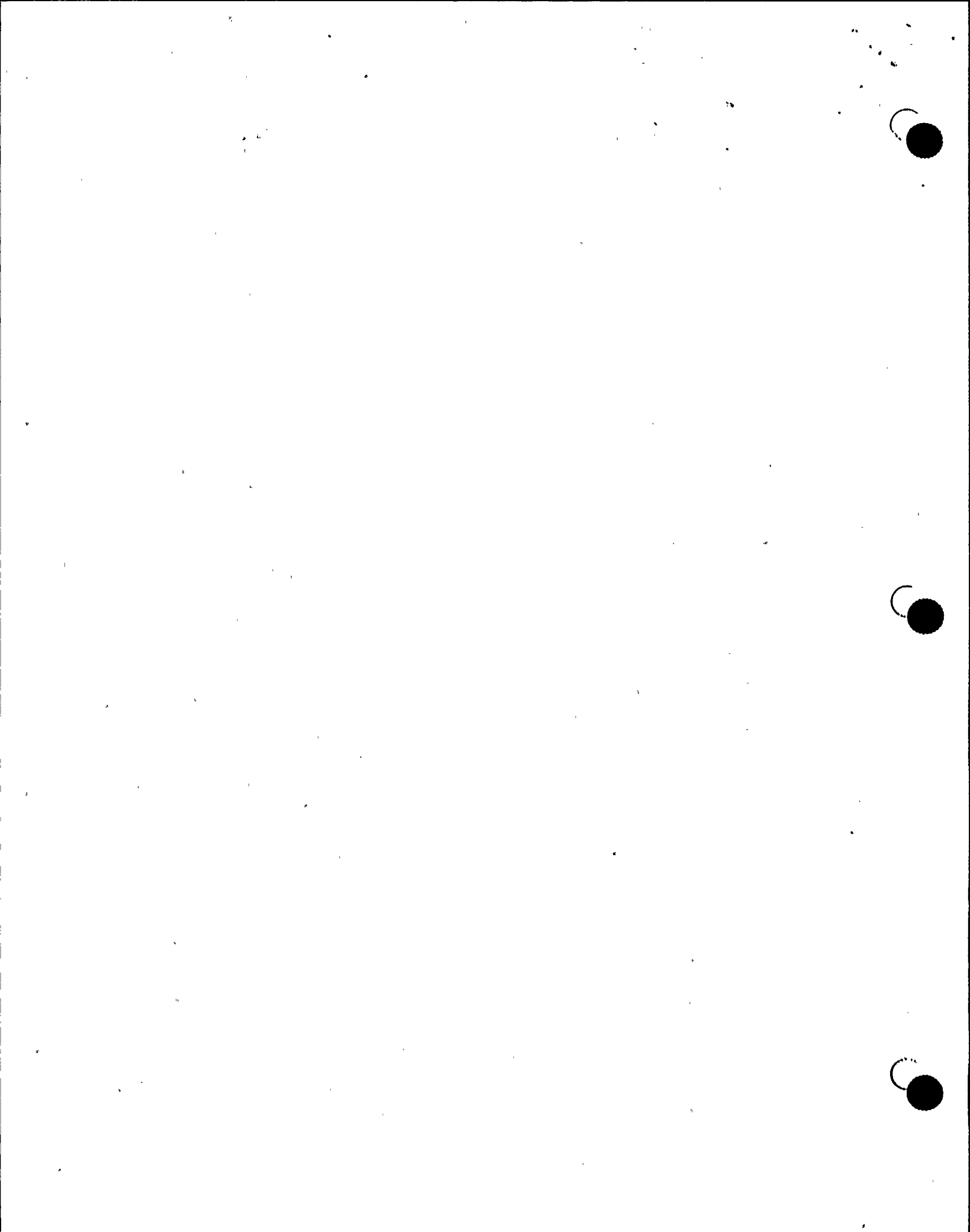
Date 6-10 1976

Robert E. Brown (Inspector) Commissions NB 43 PC (National Board, State, Province and No.)

RECORD COPY

293 0447

7
9
0
1
2
3
4
5
6
7
8
9



**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 15 JANUARY, 1994

Sheet 1 of 5

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

Unit One

DCP 92-3020A, WA #'s SEE REMARKS

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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-102-H7	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00230	N/A	HRC-102-H7A	1976	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	00231	N/A	HRC-102-H7B	1976	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-123-H16	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	17218	N/A	HRC-123-H16	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-128-H19	1982	REPLACED	NO

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
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 CALC. #'s PLS-772, PLS-924, PLS-929, PLS-931, PLS-933, SR-935-1, & SR-935-2
Applicable Manufacturer's Data Reports to be attached
WA #'s C33037, C33038, C33039, C33040, C33042, C33043, C33044, C33045, C33140, C33141,
& C33272

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 2/27, 19 94
Owner or Owner's Designee, Title VP-NuC 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 8/23/93 to 1-14-94, 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 PA WC 24612 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 94

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 15 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603
Address
DCP 92-3020A, WA #'s SEE REMARKS
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101
Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
MECH. SNUBBER	PACIFIC SCIENTIFIC	01655	N/A	JRD-128-H19A	1977	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	06723	N/A	JRD-128-H19B	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-105-H13	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	05003	N/A	HRC-105-H13A	1978	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	18839	N/A	HRC-105-H13B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HRC-124-H8	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	20796	N/A	HRC-124-H8	1982	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	HRC-124-H8	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-129-H8	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	JRD-129-H8	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-129-H19	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 15 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020A, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	07532	N/A	JRD-129-H19	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-129-H24	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	14776	N/A	JRD-129-H24A	1983	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	13377	N/A	JRD-129-H24B	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-129-H20	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	JRD-129-H20	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13789	N/A	JRD-129-H20A	1982	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	08701	N/A	JRD-129-H20B	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-129-H23	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	JRD-129-H23	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	20840	N/A	JRD-129-H23	1982	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date 15 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 4 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020A, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III
5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-129-H21	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	JRD-129-H21	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-107-H14	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08222	N/A	JRD-107-H14	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-107-H15	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13403	N/A	JRD-107-H15	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-128-H17	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	18576	N/A	JRD-128-H17	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-128-H18	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	17216	N/A	JRD-128-H18	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-128-H22	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 15 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020A, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

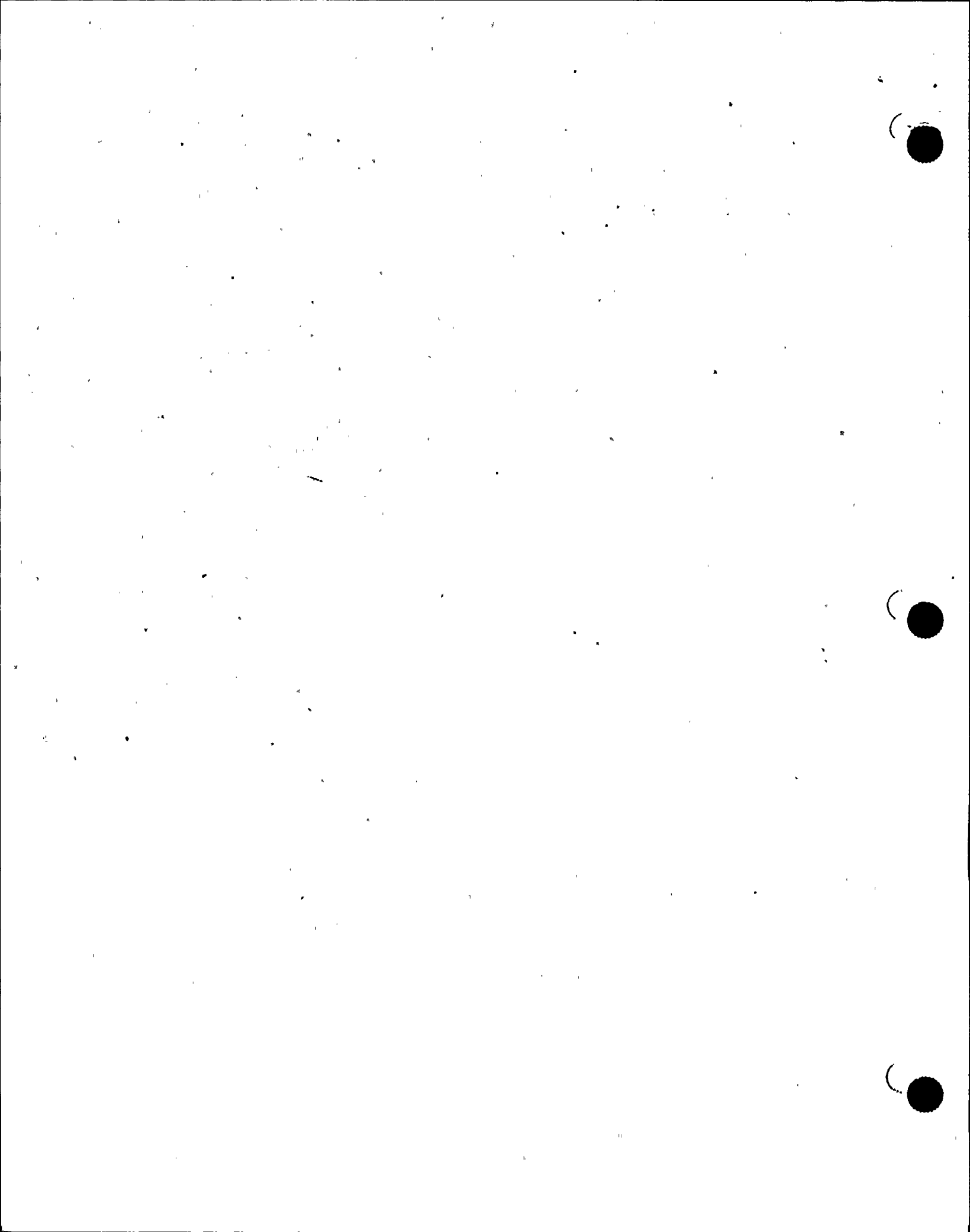
4. Identification of System EMERGENCY SERVICE WATER SYSTEM 154A CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	12409	N/A	JRD-128-H22A	1982	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	13407	N/A	JRD-128-H22B	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-128-H23	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01234	N/A	JRD-128-H23	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	JRD-128-H24	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08610	N/A	JRD-128-H24	1981	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date February 3, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCPs 93-3022,93-3023, WAs C33288,C33289,C33668
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System 161B-I, Reactor Water Clean up

5. (a) Applicable Construction Code III 19 77 Edition, thru S79 Addenda, N411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Pipe Support	Bechtel	None	NA	DBC101-H14	1982	Replaced	N
Mechanical Snubber	Pacific Scientific	2802	NA	DBC101-H14	1977	Replaced	NA

7. Description of Work Replace valve actuators; HV144F001 with SMB-0-15 & HV144F004 with SMB-0-25

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure None required
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 2/27, 19 94
Owner or Owner's Designee, Title P-Nuc 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 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 11/4/93 to 2/5/94, 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 PA.WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28, 19 94

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 9 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020H, WA # SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR WATER CLEAN-UP SYSTEM 161B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-5025-H2004	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	14377	N/A	SP-HBD-5025-H2004	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HBD-5025-H2005	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	12180	N/A	SP-HBD-5025-H2005	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-122-H1	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06816	N/A	DBB-122-H1	1978	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 WA # C33012

Applicable Manufacturer's Data Reports to be attached

CALC. #'s SR-5832, & SR-938

CODE CASE N-411

REPLACEMENT CONSTRUCTION CODE ASME SECTION III '77 THRU S '79 ADDENDA

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 2/27, 19 94
Owner or Owner's Designee, Title VP-NUC. 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 6/21/93 to 11/11/94, 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 NB7866 PA WC 24619 AN11
National Board, State, Province, and Endorsements

Date March 2 19 94

**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 9 JANUARY, 1994

Sheet 2 of 2

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

Unit ONE

DCP 92-3020H, WA # SEE REMARKS
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEAN-UP SYSTEM 161B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, REMARKS Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-122-H3	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	07336	N/A	DBB-122-H3	1979	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date February 4, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 DCP 90-3035C REV-9, WA# C20473
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR WATER CLEANUP 161B-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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" GLOBE VALVE	YARWAY	B6468	N/A	144806	1982	REPLACED	YES
1" GLOBE VALVE	YARWAY	B6468	N/A	144F008A	1982	REPLACEMENT	YES
1" GLOBE VALVE	YARWAY	A8355	N/A	144807	1979	REPLACED	YES
1" GLOBE VALVE	YARWAY	A8355	N/A	144F009A	1979	REPLACEMENT	YES

7. Description of Work VALVE LABEL IDENTITY CHANGE ONLY.

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 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 NO PHYSICAL WORK PERFORMED. VALVE IDENTITY NUMBER CHANGE ONLY.

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 2/27, 19 94
 Owner or Owner's Designee/Title VP-Nuc 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 7/17/93 to 12/30/94, 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 NE7866 PA WC24619 AN11
 Inspector's Signature National Board, State, Province, and Endorsements

Date March 2 19 94

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 12 JANUARY, 1994
 Sheet 1 of 1

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

Unit ONE
DCP 92-3020H, WA # SEE REMARKS
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System REACTOR WATER CLEAN-UP SYSTEM 161B CLASS III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBC-101-H2	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06064	N/A	SP-DBC-101-H2	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBC-101-H2011	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	12186	N/A	SP-DBC-101-H2011	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBC-101-H3	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	SP-DBC-101-H3	1993	REPLACEMENT	NO

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 WA # C33012

Applicable Manufacturer's Data Reports to be attached

CALC. #'s SR-6119

CODE CASE N-411

REPLACEMENT CONSTRUCTION CODE ASME SECTION III '77 THRU S '79 ADDENDA

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 2/27 19 94
Owner or Owner's Designee, Title VP-NUC. 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 9/11/93 to 1/11/94, 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 NIB 7866 PA. WC 27619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 28 19 94

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 January 25, 1994
Sheet 1 of 4

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

Unit One
DCP 92-3020D C33017, C33018
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 Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System REACTOR VESSEL SYSTEM 162A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H5	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13083	N/A	SP-DCA-131-H5	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H14	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	10926	N/A	SP-DCA-131-H14	1980	REPLACED	N/A
PIPE SUPRORT	BECHTEL	N/A	N/A	SP-DCA-131-H19	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16396	N/A	SP-DCA-131-H19	1980	REPLACED	N/A

7. Description of Work REMOVE SNUBBERS / NO REPLACEMENT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE X
Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Plant 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 7/22/93 to 1-25-94, 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 PA. WC. 24619 A111
Inspector's Signature National Board, State, Province, and Endorsements
Date Feb 28, 19 94

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 January 25, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 4
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020D C33017, C33018
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR VESSEL SYSTEM 162A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H21	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	23554	N/A	SP-DCA-131-H21	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2037	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	29018	N/A	SP-DCA-131-H2037	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2039	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22881	N/A	SP-DCA-131-H2039	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2001	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13108	N/A	SP-DCA-131-H2001	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2003	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	23008	N/A	SP-DCA-131-H2003	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2005	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 January 25, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 4
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020D C33017, C33018
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

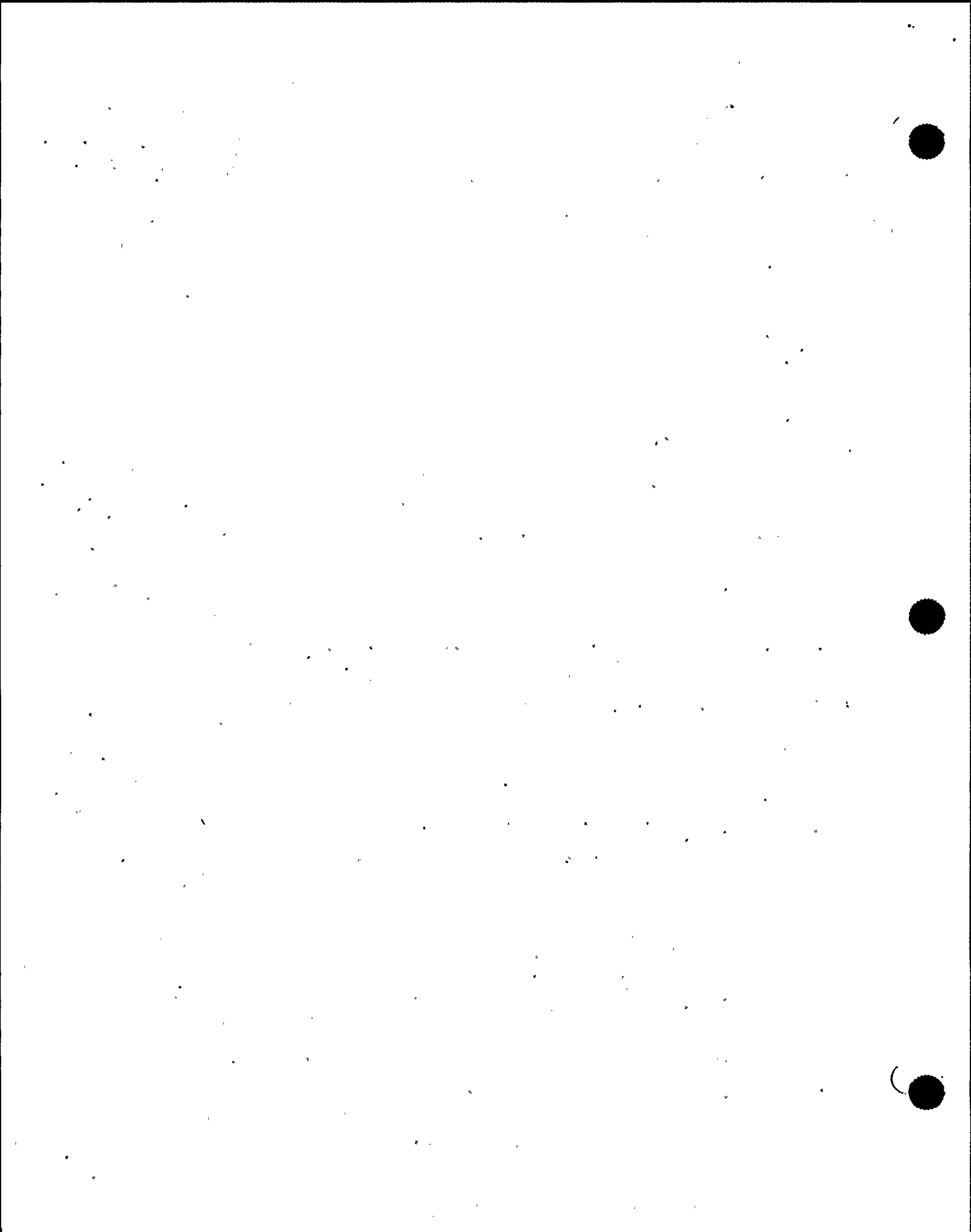
4. Identification of System REACTOR VESSEL SYSTEM 162A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	23025	N/A	SP-DCA-131-H2005	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2008	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13087	N/A	SP-DCA-131-H2008	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2009	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13088	N/A	SP-DCA-131-H2009	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2020	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28858	N/A	SP-DCA-131-H2020	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2025	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06291	N/A	SP-DCA-131-H2025	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2031	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06238	N/A	SP-DCA-131-H2031	1978	REPLACED	N/A



FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS³
As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light Co. Date January 25, 1994
Name
Two North Ninth St., Allentown, PA 18101
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603
Address DCP 92-3020D C33017, C33018
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101
Address Authorization No. N/A
 Expiration Date N/A

4. Identification of System REACTOR VESSEL SYSTEM 162A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2040	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28936	N/A	SP-DCA-131-H2040	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2042	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21136	N/A	SP-DCA-131-H2042	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2043	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21142	N/A	SP-DCA-131-H2043	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-131-H2044	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21157	N/A	SP-DCA-131-H2044	1981	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 24, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020K / Work Authorization C33067
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR VESSEL SYSTEM 162A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-135-H2001	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13414	N/A	SP-DCA-135-H2001A	1981	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13415	N/A	SP-DCA-135-H2001B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-135-H2002	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23039	N/A	SP-DCA-135-H2002	1978	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 The following later edition / addenda of the original construction code and code case was used in
Applicable Manufacturer's Data Reports to be attached
the design of this modification: ASME Section III, 1980 Edition through winter 1981 Addenda
(Subsection NC-3650) and Code Case N-411, Alternate Damping Values for Seismic Analysis of
Class 1, 2 and 3 Piping Section III Division 1.

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 2/27 19 94
2/4/94 Owner or Owner's Designee, Title VP-Nuc 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 7/23/93 to 1/26/94, 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 PA. NC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 28 19 94

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 JANUARY 23, 1994

Sheet 1 of 2

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

Unit One

 PMR 92-3020M / Work Authorizations C33064, C33065, & C33066
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL SYSTEM 162A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-101-H8	1982	REPLACED	NO
MECHANICAL SUPPORT	PACIFIC SCIENTIFIC	13924	N/A	SP-DCA-101-H8	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-101-H2002	1982	REPLACED	NO
MECHANICAL SUPPORT	PACIFIC SCIENTIFIC	21567	N/A	SP-DCA-101-H2002	1982	REPLACED	N/A
PIPE SUPPORT	PP&L	N/A	N/A	DCA-111-H6	1992	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DCA-111-H6	1993	REPLACEMENT	NO

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 9/18/93 to 12/18/94, 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 PA W24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 2, 19 94

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 JANUARY 23, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020M / Work Authorizations C33064,
Address C33065, & C33066
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR VESSEL SYSTEM 162A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	PP&L	N/A	N/A	DCA-111-H33	1992	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DCA-111-H33	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DBA-112-H41	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	SP-DBA-112-H41	1993	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date February 4, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 DCP's 93-3047B, C and E, WA's C33397-C33400, C33416, C33417,
Address C33683, C33684, U36025, U36026, U36058 and U36059
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Reactor Vessel and Aux. System, 162A, Class II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
INSTRUMENT TUBING RUN FOR RACK 1C-224	PP&L	N/A	N/A	JD-27-5-4A	1985	REPLACED	NO
INSTRUMENT TUBING RUN FOR RACK 1C-224	PP&L	N/A	N/A	JD-27-5-4A	1993	REPLACEMENT	NO
INSTRUMENT TUBING RUN FOR RACK 1C-225	PP&L	N/A	N/A	JD-27-5-4B	1985	REPLACED	NO
INSTRUMENT TUBING RUN FOR RACK 1C-225	PP&L	N/A	N/A	JD-27-5-4B	1993	REPLACEMENT	NO
BACKFILL TO COND. CHAMBER XY-B21-1D004B ISOL. VALVE	ANDERSON GREENWOOD	N26555	N/A	142036	1992	REPLACEMENT	YES

7. Description of Work Connected Reactor Water Level Backfill System to Condensing Chamber Reference Legs.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1060 psi Test Temp. ambient °F

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

FORM NIS-2 (Back)

9. Remarks NPV-1 Form for Valves 142036, 142048, 142063 AND 142075 attached.
Applicable Manufacturer's Data Reports to be attached

Construction Code for Valves ASME Section III 1971-Edition with 1973 Addenda.

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 2/27, 19 94
Owner or Owner's Designee, Aide VP-NUC 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 10/2/93 to 3/1/94, 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 4224619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 19 94

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 February 4, 1994
 Sheet 2 of 2

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

Unit ONE
DCP's 93-3047B, C and E, WA's C33397-C33400, C33416, C33417, C33683, C33684, U36025, U36026, U36058 and U36059
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System Reactor Vessel and Aux. System, 162A, Class II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

BACKFILL TO COND. CHAMBER XY-14202 ISOL VALVE	ANDERSON GREENWOOD	N26546	N/A	142048	1992	REPLACEMENT	YES
BACKFILL TO COND. CHAMBER XY-B21-1D004A ISOL VALVE	ANDERSON GREENWOOD	N26557	N/A	142063	1992	REPLACEMENT	YES
BACKFILL TO COND. CHAMBER XY-B21-1D002 ISOL VALVE	ANDERSON GREENWOOD	N26556	N/A	142075	1992	REPLACEMENT	YES



Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting N/A			
(d) Other Parts			
-N02-4089-511	SA479-316/SA213-316	AGGO	Body-Weldment
-N02-2583-002	SA479-316	AGGO	Bonnet
-N02-2532-001	A276-316	AGGO	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. I, Edition 1971.
 Addenda N-73, Code Case No. N/A, Date 7/13/92
 Signed AGGO 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 7-13-92 Inspector Amos J. Zavell Commissions TEX 803
(Inspector) (Net Bd. State, Prov. and No.)

93437A1080

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 JANUARY 23, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020L Work Authorization C33062
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION SYSTEM 164A CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-121-H2002	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23000	N/A	SP-DCA-121-H2002	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-121-H2003	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	28964	N/A	SP-DCA-121-H2003	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-121-H2004	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	27953	N/A	SP-DCA-121-H2004	1982	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 Other Pressure psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT 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 2/27 19 94
2/4/94 Owner or Owner's Designee, Title VP-Proc 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 8/13/93 to 1/23/94, 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 PA.WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 94

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 JANUARY 24, 1994

Sheet 1 of 14

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

Unit One

PMR 92-3020K / See Remarks for Work Authorization
Numbers and later edition / addenda & code cases.
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H5	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06288	N/A	SP-DCA-144-H5	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2091	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	09938	N/A	SP-DCA-144-H2091	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2108	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22904	N/A	SP-DCA-144-H2108	1981	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
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 WA C33068, C33069, C33070, C33072, C33073, C33075, C33085, C33074, C33076, C33077,

Applicable Manufacturer's Data Reports to be attached

C33079, C33080, C33081, C33082, C33087, C33222, C33078, C33086, C33071, C33084, & C33148

The following later edition / addenda of the original construction code and code case were used in the

of this modification: ASME Section III, 1980 Edition through winter 1981 Addenda (Subsection NC-3650)

and Code Case N-411, Alternate Damping Values for Seismic Analysis of Class 1, 2 and 3 Piping Section III Division 1.

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 ERL _____ Date 2/27, 19 94
2/4/94 Owner or Owner's Designee, Title VP-Nuc 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 7/27/93 to 1/21/94, 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.

C. Mellon _____ Commissions NB7866 PA. WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28/94, 19 94

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 JANUARY 24, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2221	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13445	N/A	SP-DCA-144-H2221	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2223	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23029	N/A	SP-DCA-144-H2223	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H28	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23357	N/A	SP-DCA-144-H28	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2087	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	01619	N/A	SP-DCA-144-H2087	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H53	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	16380	N/A	SP-DCA-144-H53	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H55	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 JANUARY 24, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I

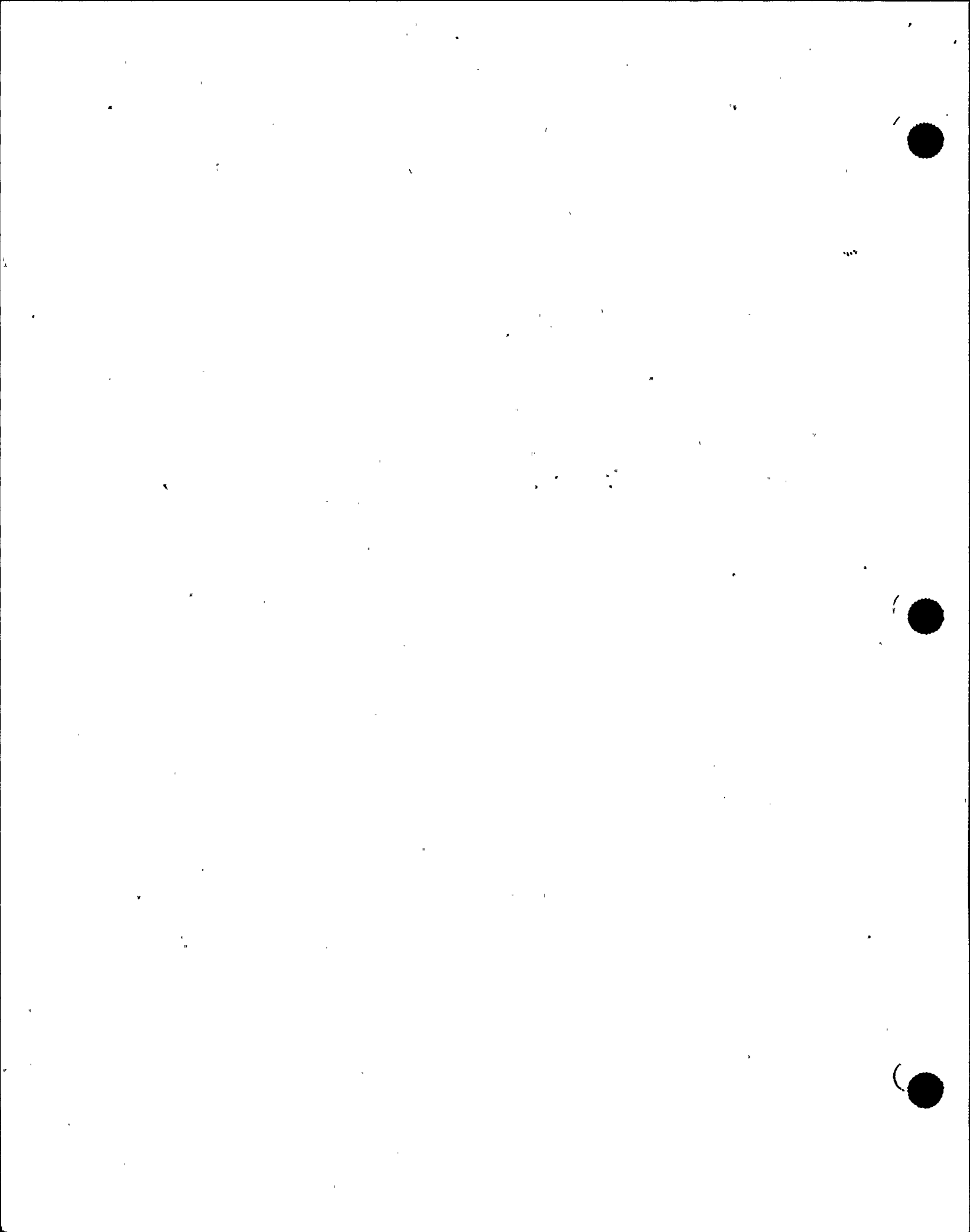
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	27963	N/A	SP-DCA-144-H55	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2057	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13766	N/A	SP-DCA-144-H2057	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2220	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23601	N/A	SP-DCA-144-H2220	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2027	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	09747	N/A	SP-DCA-144-H2027	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2101	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	28783	N/A	SP-DCA-144-H2101	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2102	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06295	N/A	SP-DCA-144-H2102	1978	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 24, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 14
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A
4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2116	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13451	N/A	SP-DCA-144-H2116	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2118	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13937	N/A	SP-DCA-144-H2118	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2122	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	14388	N/A	SP-DCA-144-H2122	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2125	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13454	N/A	SP-DCA-144-H2125	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2127	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13449	N/A	SP-DCA-144-H2127	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2129	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 JANUARY 24, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 14
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I
5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13453	N/A	SP-DCA-144-H2129	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2133	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13474	N/A	SP-DCA-144-H2133	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2136	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13925	N/A	SP-DCA-144-H2136	N/A	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2137	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	27947	N/A	SP-DCA-144-H2137	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2141	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13956	N/A	SP-DCA-144-H2141	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2143	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13448	N/A	SP-DCA-144-H2143	1981	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 24, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 6 of 14
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2145	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13954	N/A	SP-DCA-144-H2145	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H105	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	09701	N/A	SP-DCA-144-H105	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2074	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	23010	N/A	SP-DCA-144-H2074	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H148	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	29008	N/A	SP-DCA-144-H148	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H150	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	27959	N/A	SP-DCA-144-H150	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2021	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 JANUARY 24, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 7 of 14
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	16377	N/A	SP-DCA-144-H2021A	1980	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	16378	N/A	SP-DCA-144-H2021B	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2076	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	20960	N/A	SP-DCA-144-H2076	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H142	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	16392	N/A	SP-DCA-144-H142	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H144	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	16391	N/A	SP-DCA-144-H144	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2080	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	21130	N/A	SP-DCA-144-H2080	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H9	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 JANUARY 24, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 8 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	05600	N/A	SP-DCA-144-H9	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2042	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	05603	N/A	SP-DCA-144-H2042	N/A	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2049	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	06669	N/A	SP-DCA-144-H2049	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2094	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	29010	N/A	SP-DCA-144-H2094	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2053	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	21151	N/A	SP-DCA-144-H2053	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2077	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	28018	N/A	SP-DCA-144-H2077	1982	REPLACED	N/A

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

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

Date JANUARY 24, 1994
 Sheet 9 of 14

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

Unit One
 PMR 92-3020K / See Remarks for Work Authorization
 Numbers and later edition / addenda & code cases.
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2078	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	21112	N/A	SP-DCA-144-H2078	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2084	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13080	N/A	SP-DCA-144-H2084	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2085	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	10740	N/A	SP-DCA-144-H2085	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2149	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13413	N/A	SP-DCA-144-H2149	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2150	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13927	N/A	SP-DCA-144-H2150	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2155	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 JANUARY 24, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 10 of 14
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13476	N/A	SP-DCA-144-H2155	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2156	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13442	N/A	SP-DCA-144-H2156	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2161	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13464	N/A	SP-DCA-144-H2161	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2166	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13458	N/A	SP-DCA-144-H2166	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2171	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13928	N/A	SP-DCA-144-H2171	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2172	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13459	N/A	SP-DCA-144-H2172	1981	REPLACED	N/A

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

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

Date JANUARY 24, 1994

Sheet 11 of 14

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

Unit One

 PMR 92-3020K / See Remarks for Work Authorization
 Numbers and later edition / addenda & code cases.
 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2173	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13465	N/A	SP-DCA-144-H2173	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2178	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13926	N/A	SP-DCA-144-H2178	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2179	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13929	N/A	SP-DCA-144-H2179	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2163	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13405	N/A	SP-DCA-144-H2163A	1981	REPLACED	N/A
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13406	N/A	SP-DCA-144-H2163B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2164	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13427	N/A	SP-DCA-144-H2164A	1981	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 24, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 12 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020K/ See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.

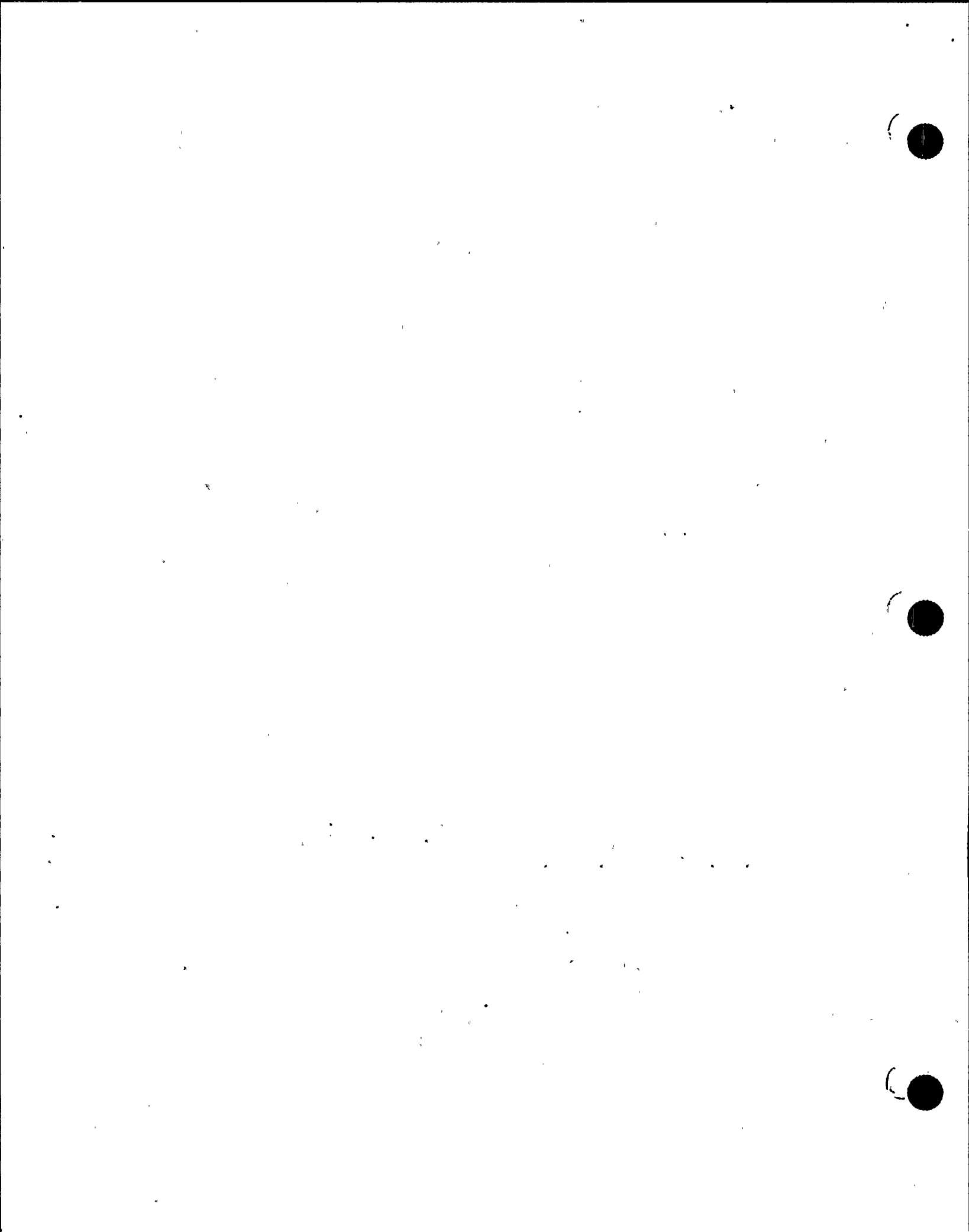
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13425	N/A	SP-DCA-144-H2164B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2175	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13477	N/A	SP-DCA-144-H2175	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-144-H2176	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13441	N/A	SP-DCA-144-H2176	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H29	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	16393	N/A	SP-DCA-136-H29	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2005	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	28736	N/A	SP-DCA-136-H2005	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2010	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	28722	N/A	SP-DCA-136-H2010A	1982	REPLACED	N/A



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 24, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 13 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22945	N/A	SP-DCA-136-H2010B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2047	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13933	N/A	SP-DCA-136-H2047	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2048	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13932	N/A	SP-DCA-136-H2048	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2021	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	09934	N/A	SP-DCA-136-H2021	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2035	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	22873	N/A	SP-DCA-136-H2035	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2059	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	13947	N/A	SP-DCA-136-H2059	1981	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 24, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 14 of 14
Address
2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 PMR 92-3020K / See Remarks for Work Authorization
Address Numbers and later edition / addenda & code cases.
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS I
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2042	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	29014	N/A	SP-DCA-136-H2042	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2043	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	09728	N/A	SP-DCA-136-H2043	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCA-136-H2053	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	SP-DCA-136-H2053	1993	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co.
Name

Date January 18, 1994

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit One

 PO Box 467, Berwick, PA 18603
Address

 DCP- 93-9065, CWA C34067, C34096
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System Reactor Recirculation System 164B Class I.

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

Pipe Support	Bechtel	N/A	N/A	SP-DCA-150-H2009	1982	Replaced	NO
Pipe Support	PP&L	N/A	N/A	SP-DCA-150-H2009	1993	Replacement	NO
Pipe Support	Bechtel	N/A	N/A	SP-DCA-150-H2011	1982	Replaced	NO
Pipe Support	PP&L	N/A	N/A	SP-DCA-150-H2011	1993	Replacement	NO
Pipe Support	Bechtel	N/A	N/A	SP-DCA-151-H2008	1982	Replaced	NO
Pipe Support	PP&L	N/A	N/A	SP-DCA-151-H2008	1993	Replacement	NO

7. Description of Work Reactor Recirculation Vent and Drain Hanger Rework.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NONE
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 6/30/93 to 3/1/94, 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 AD 11.
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1, 19 94

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 January 18, 1994
Name

Two North Ninth St., Allentown, PA 18101 Sheet 2 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name

PO Box 467, Berwick, PA 18603 DCP 93-9065, CWA C34067, C34096
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name

Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

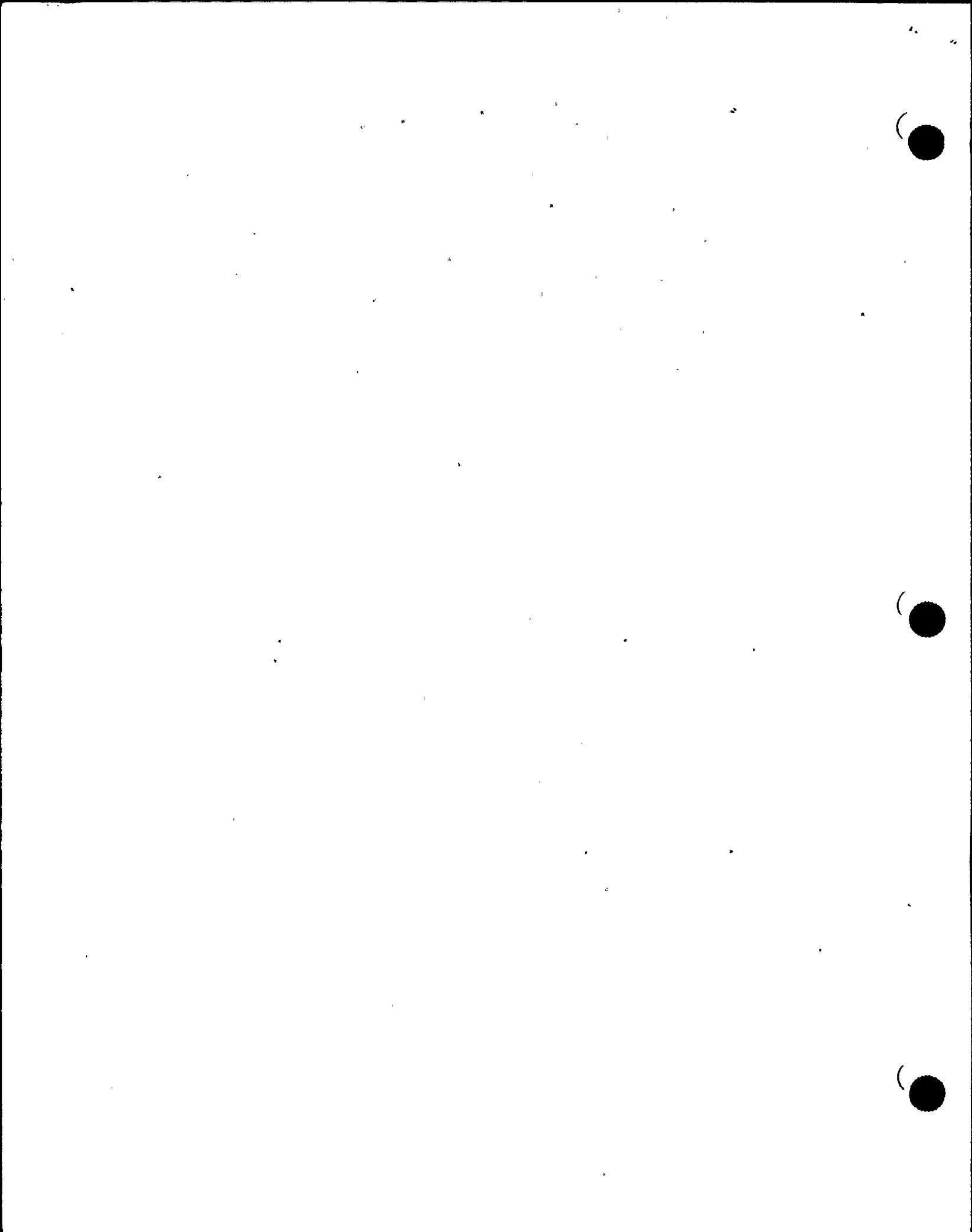
4. Identification of System Reactor Recirculation System, 164B Class I.

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

Pipe Support	Bechtel	N/A	N/A	SP-DCA-151-H2009	1982	Replaced	NO
Pipe Support	PP&L	N/A	N/A	SP-DCA-151-H2009	1993	Replacement	NO
Pipe Support	Bechtel	N/A	N/A	SP-DCA-151-H2010	1982	Replaced	NO
Pipe Support	PP&L	N/A	N/A	SP-DCA-151-H2010	1993	Replacement	NO
Pipe Support	Bechtel	N/A	N/A	SP-DCA-151-H2011	1982	Replaced	NO
Pipe Support	PP&L	N/A	N/A	SP-DCA-151-H2011	1993	Replacement	NO



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

1. Owner Pennsylvania Power & Light Co. Date JANUARY 24, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address
 2. Plant Susquehanna Steam Electric Station Unit One
Name PMR 92-3020K / Work Authorization C33083
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 Stamp None
Name Authorization No. N/A
Two North Ninth St., Allentown, PA 18101 Expiration Date N/A
Address

4. Identification of System REACTOR RECIRCULATION SYSTEM 164B CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCB-112-H2089	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	27863	N/A	SP-DCB-112-H2089	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-DCB-112-H2098	1982	REPLACED	NO
MECHANICAL SNUBBER	PACIFIC SCIENTIFIC	20958	N/A	SP-DCB-112-H2098	1981	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 The following later edition / addenda of the original construction code and code case was used in
Applicable Manufacturer's Data Reports to be attached
the design of this modification: ASME Section III, 1980 Edition through winter 1981 Addenda
(Subsection NC-3650) and Code Case N-411, Alternate Damping Values for Seismic Analysis of
Class 1, 2 and 3 Piping Section III Division 1.

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 2/27, 19 94
2/4/94 Owner or Owner's Designee, Title VP-Nuc 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 8/24/93 to 1/24/94, 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 PA WJ 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 28 19 94

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 9 JANUARY, 1994
Sheet 1 of 6

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

Unit ONE
DCP 92-30201, WA #'s SEE REMARKS
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 Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System CONT. ATMOS. CONTR. SYSTEM 173A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H7	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08606	N/A	HBB-118-H7	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H8	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08637	N/A	HBB-118-H8	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H9	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06934	N/A	HBB-118-H9	1980	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
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 WA #'s C33096, C33097, C33098, C33099, & C33103

Applicable Manufacturer's Data Reports to be attached

CALC. #'s SR-985, SR-5371, SR-5501/5502, & SR-5891

CODE CASE N-411

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 2/27, 19 94
Owner or Owner's Designee Title VP-Nuc 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 8/18/93 to 1/2/94, 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 PA WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 28 19 94

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 9 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 DCP 92-30201, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CONT. ATMOS. CONTR. SYSTEM 173A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, REMARKS Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H10	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02096	N/A	HBB-118-H10	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H11	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03197	N/A	HBB-118-H11	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H12	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03200	N/A	HBB-118-H12	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H13	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06941	N/A	HBB-118-H13	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H14	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00854	N/A	HBB-118-H14A	1976	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	00852	N/A	HBB-118-H14B	1976	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date 9 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 6
Address
2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020I, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CONT. ATMOS. CONTR. SYSTEM 173A CLASS II
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H15	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01216	N/A	HBB-118-H15	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H16	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01278	N/A	HBB-118-H16	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H17	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08319	N/A	HBB-118-H17	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H18	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	14786	N/A	HBB-118-H18	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H19	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02184	N/A	HBB-118-H19	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H20	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 9 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 4 of 6
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020I, WA #s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

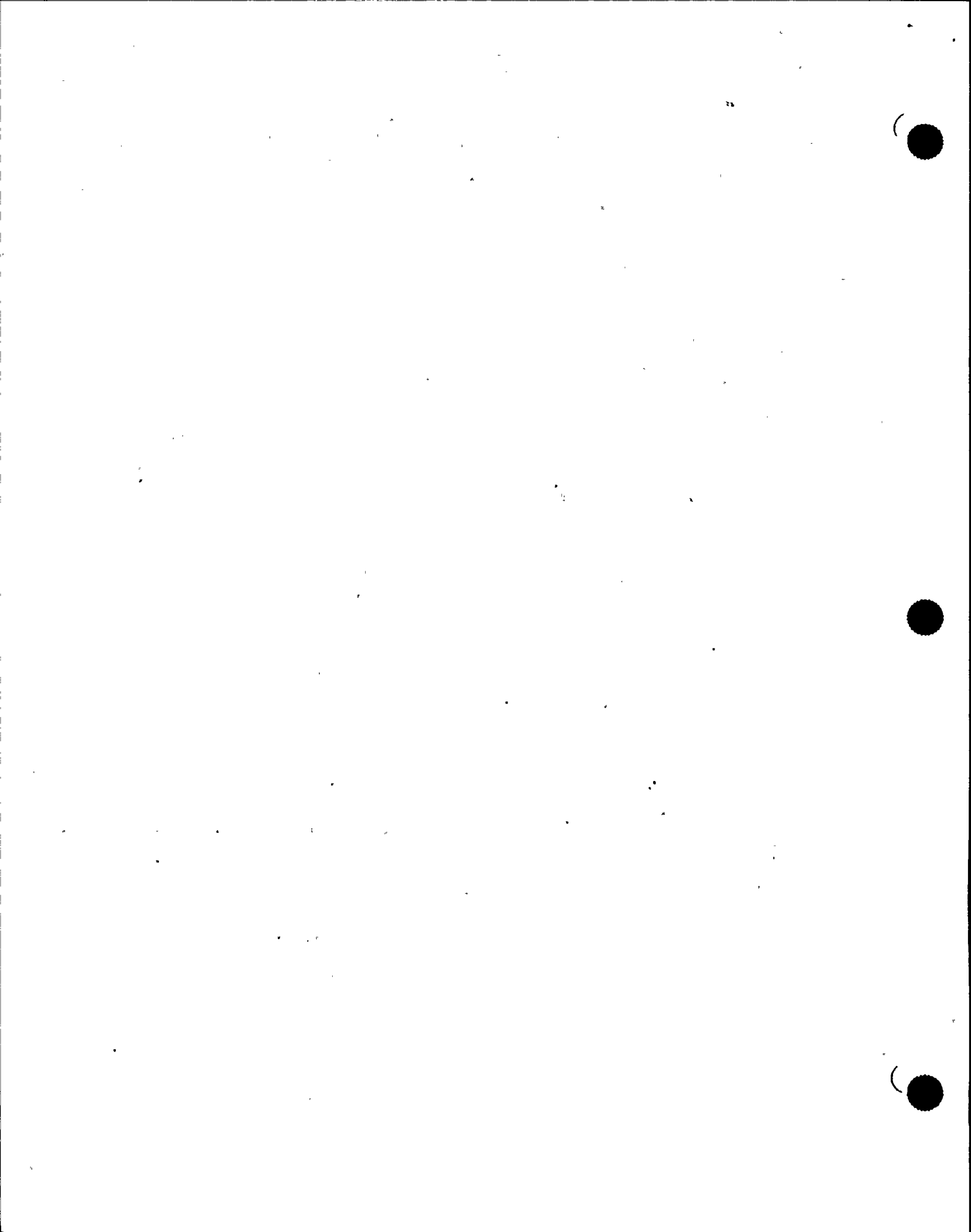
4. Identification of System CONT. ATMOS. CONTR. SYSTEM 173A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	04275	N/A	HBB-118-H20	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H21	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13420	N/A	HBB-118-H21A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	13399	N/A	HBB-118-H21B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H22	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	12223	N/A	HBB-118-H22	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H23	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	17223	N/A	HBB-118-H23	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H25	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	12277	N/A	HBB-118-H25	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	HBB-118-H26	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 9 JANUARY, 1994

Sheet 5 of 6

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

Unit ONE
 DCP 92-3020I, WA #'s SEE REMARKS
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System CONT. ATMOS. CONTR. SYSTEM 173A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, REMARKS Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	14793	N/A	HBB-118-H26	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2018	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21063	N/A	SP-HCB-126-H2018	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2022	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16356	N/A	SP-HCB-126-H2022	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2024	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22893	N/A	SP-HCB-126-H2024	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-127-H2000	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16414	N/A	SP-HCB-127-H2000	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-138-H2001	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	21071	N/A	SP-HCB-138-H2001	1981	REPLACED	N/A

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

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

Date 9 JANUARY, 1994

Sheet 6 of 6

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

Unit ONE

 DCP 92-30201, WA #'s SEE REMARKS
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System CONT. ATMOS. CONTR. SYSTEM 173A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, REMARKS Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-138-H2003	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	22874	N/A	SP-HCB-138-H2003	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-138-H2004	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	10752	N/A	SP-HCB-138-H2004	1980	REPLACED	N/A

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

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

Date 12 JANUARY, 1994
 Sheet 1 of 3

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

Unit ONE
 DCP 92-3020I, WA #'s SEE REMARKS
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System CONT. ATMOS. CONTR. SYSTEM 173C CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-106-H2	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16354	N/A	SP-HCB-106-H2	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-106-H3	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16355	N/A	SP-HCB-106-H3	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-121-H2	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	23003	N/A	SP-HCB-121-H2	1981	REPLACED	N/A

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 Other Pressure _____ psl 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 WA #'s C33099, C33100, C33101, & C33102

Applicable Manufacturer's Data Reports to be attached

CALC. #'s SR-5501/5502, SR-5503, & SR-5505

CODE CASE N-411

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 EPA [Signature] Date 2/27, 19 94
Owner or Owner's Designer, Title VP-Ndc 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 3/15/93 to 1/12/94, 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 PA.WC.24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements
Date 2/25, 19 94

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 12 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 3
Address
2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 DCP 92-30201, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CONT. ATMOS. CONTR. SYSTEM 173C CLASS II
5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-121-H5	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13073	N/A	SP-HCB-121-H5	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-125-H2	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	13125	N/A	SP-HCB-125-H2	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2033	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	14373	N/A	SP-HCB-126-H2033	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2007	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28782	N/A	SP-HCB-126-H2007	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2015	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06249	N/A	SP-HCB-126-H2015	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2027	1982	REPLACED	NO

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS¹
As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light Co. Date 12 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 3
Address

2. Plant Susquehanna Steam Electric Station Unit ONE
Name
 PO Box 467, Berwick, PA 18603 DCP 92-30201, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CONT. ATMOS. CONTR. SYSTEM 173C CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, REMARKS Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	22988	N/A	SP-HCB-126-H2027	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2028	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	23043	N/A	SP-HCB-126-H2028	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2030	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	16402	N/A	SP-HCB-126-H2030	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2035	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	28933	N/A	SP-HCB-126-H2035	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-126-H2525	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	14383	N/A	SP-HCB-126-H2525	1982	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HCB-125-H7	1982	REPLACED	NO
MECH. SNUBBER	PP&L	N/A	N/A	SP-HCB-125-H7	1993	REPLACEMENT	NO

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

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

Date 26 JANUARY, 1994

Sheet 1 of 10

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

Unit One

DCP 92-3020B, WA #'s SEE REMARKS
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-101-H3	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01366	N/A	DBB-101-H3	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-102-H9	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	04609	N/A	DBB-102-H9A	1978	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	00379	N/A	DBB-102-H9B	1976	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-102-H10	1982	REPLACED	NO

7. Description of Work SNUBBER REDUCTION PROJECT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO TESTING REQUIRED
 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 CALC. SR-600-1; WA #'s C23478, C23479, C23480, C23481, C23482, C23483, & C23484

Applicable Manufacturer's Data Reports to be attached

REPLACEMENT CODE ASME SEC. III '77 THRU S '79 ADDENDA *REPLACED U-BOLT ON DBB-104-H5

REPLACED LOAD STUD ON DBB-104-H10 & MSL-100-H11A *REPLACED PIPE CLAMP BOLTS ON

MSL-100-H2, H9B, H11A & 11B ****REPLACED LOAD PIN WITH SHEAR PIN TRANSDUCER

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 2/27, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 7/17/93 to 1/26/94, 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 AD11
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 28 19 94

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

1. Owner Pennsylvania Power & Light Co. Date 26 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020B, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	03088	N/A	DBB-102-H10	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-103-H8	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02861	N/A	DBB-103-H8A	1977	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	19582	N/A	DBB-103-H8B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-103-H15	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	14772	N/A	DBB-103-H15	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-104-H3	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00321	N/A	DBB-104-H3	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-104-H9	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00392	N/A	DBB-104-H9	1976	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-104-H16	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 26 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020B, WA #'s SEE REMARKS
Address
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	08291	N/A	DBB-104-H16A	1980	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	14409	N/A	DBB-104-H16B	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-102-H13	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01263	N/A	DBB-102-H13A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	01265	N/A	DBB-102-H13B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-103-H12	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01266	N/A	DBB-103-H12A	1981	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	01264	N/A	DBB-103-H12B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-105-H5	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00400	N/A	DBB-105-H5	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-104-H12	1982	REPLACED	NO

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

1. Owner Pennsylvania Power & Light Co. Date 26 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020B, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	01499	N/A	DBB-104-H12A	1978	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	01497	N/A	DBB-104-H12B	1978	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-104-H1	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBB-104-H1	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-104-H2	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBB-104-H2	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-101-H2	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBB-101-H2	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-103-H10	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBB-103-H10	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	08628	N/A	DBB-103-H10A	1981	REPLACED	N/A

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

1. Owner Pennsylvania Power & Light Co. Date 26 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020B, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	08635	N/A	DBB-103-H10B	1981	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-104-H5	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	*DBB-104-H5	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-101-H1	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBB-101-H1	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-104-H13	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBB-104-H13	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	EBD-113-H4	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	EBD-113-H4	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00169	N/A	EBD-113-H4	1978	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	00168	N/A	EBD-113-H4	1979	REPLACEMENT	N/A



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

1. Owner Pennsylvania Power & Light Co. Date 26 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 6 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020B, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-105-H7	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	DBB-105-H7	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	DBB-104-H10	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	**DBB-104-H10	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02504	N/A	DBB-104-H10	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	MSL-100-H11	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	MSL-100-H11	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01637	N/A	MSL-100-H11A	1982	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	08628	N/A	MSL-100-H11A	1981	REPLACEMENT	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	02400	N/A	MSL-100-H11B	1990	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	00968	N/A	MSL-100-H11B	1977	REPLACEMENT	N/A

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

1. Owner Pennsylvania Power & Light Co. Date 26 JANUARY, 1994
Name
Two North Ninth St., Allentown, PA 18101 Sheet 7 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
PO Box 467, Berwick, PA 18603 DCP 92-3020B, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

PIPE SUPPORT	PP&L	N/A	N/A	DBB-101-H10	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	00670	N/A	DBB-101-H10A	1979	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	09451	N/A	DBB-101-H10A	1982	REPLACEMENT	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	02026	N/A	DBB-101-H10B	1983	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	02808	N/A	DBB-101-H10B	1978	REPLACEMENT	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	EBD-113-H2	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	06803	N/A	EBD-113-H2A	1978	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	00168	N/A	EBD-113-H2B	1979	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	EBD-113-H6	1993	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	12200	N/A	EBD-113-H6	1980	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	EBD-113-H9	1993	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 26 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 8 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020B, WA #s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

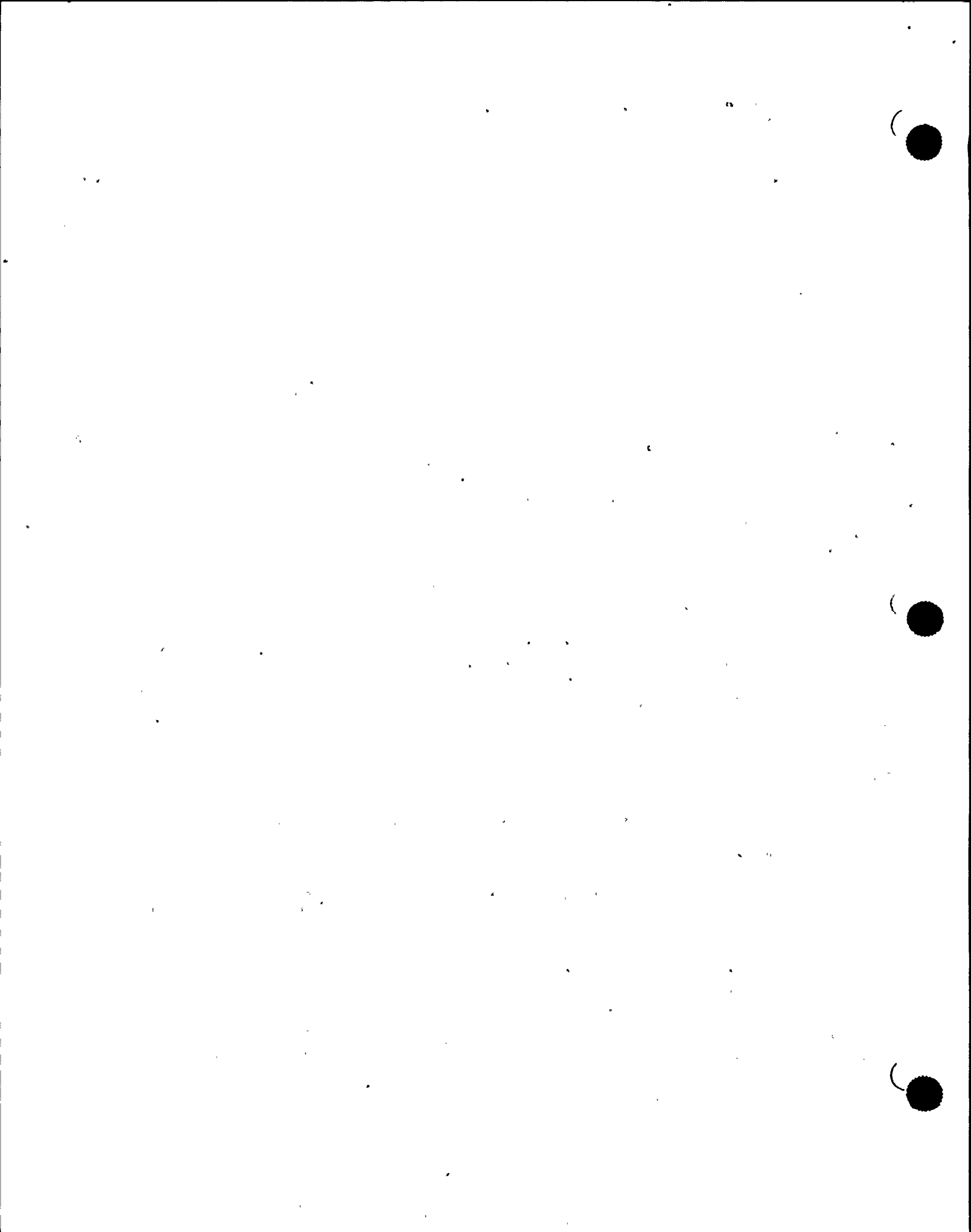
4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	00348	N/A	EBD-113-H9	1976	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	EBD-113-H3	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	EBD-113-H3	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	EBD-110-H15	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	03519	N/A	EBD-110-H15	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	EBD-110-H16	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	EBD-110-H16	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	MSL-100-H5	1982	REPLACED	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02573	N/A	MSL-100-H5A	1977	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	14780	N/A	MSL-100-H5B	1983	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	MSL-100-H6	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 26 JANUARY, 1994
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 9 of 10
Address

2. Plant Susquehanna Steam Electric Station Unit One
Name
 PO Box 467, Berwick, PA 18603 DCP 92-3020B, WA #'s SEE REMARKS
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

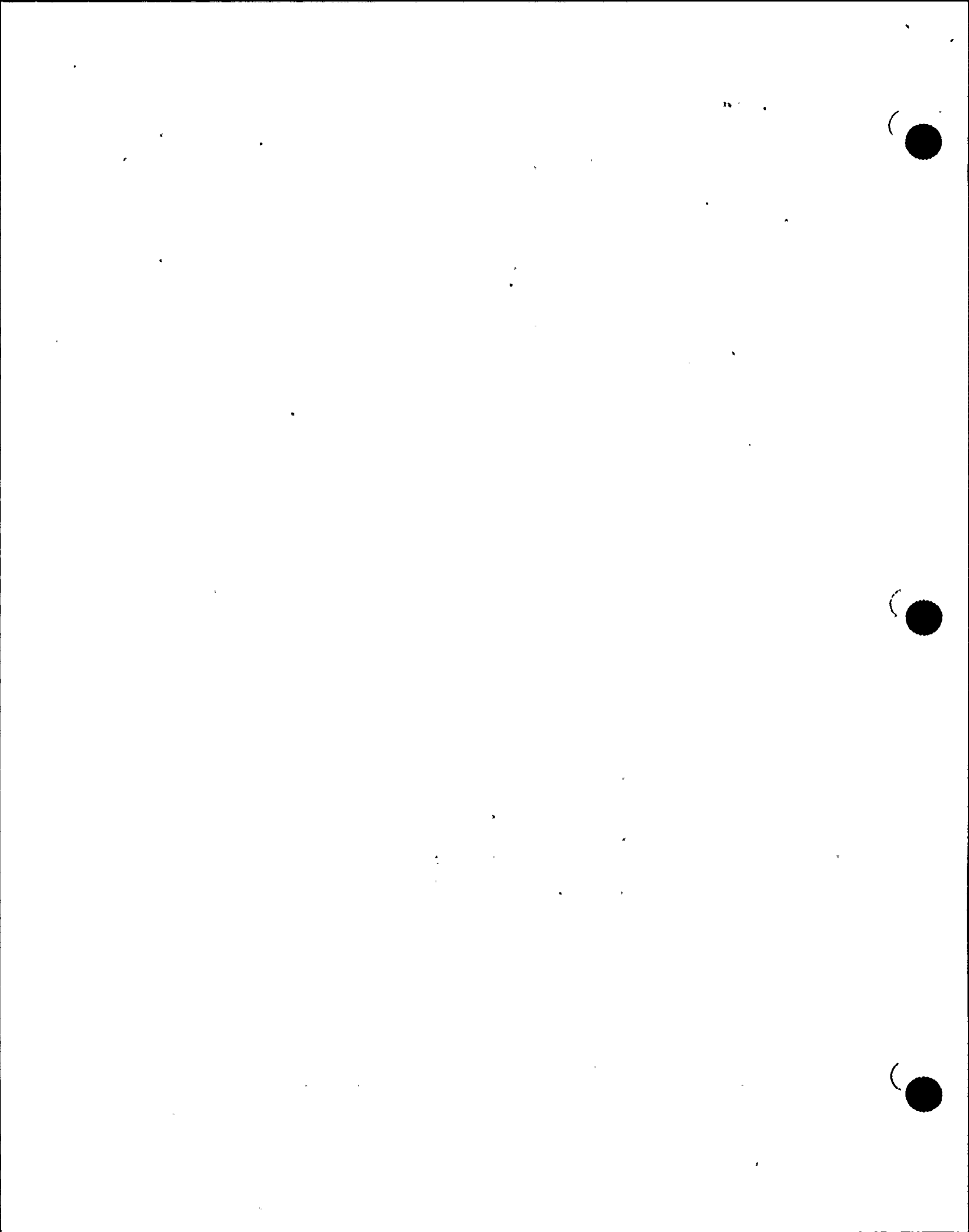
4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	02570	N/A	MSL-100-H6A	1977	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	02569	N/A	MSL-100-H6B	1977	REPLACED	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	MSL-100-H2	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	***MSL-100-H2	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	01638	N/A	MSL-100-H2	1982	REPLACED	N/A
MECH. SNUBBER	PACIFIC SCIENTIFIC	08613	N/A	MSL-100-H2	1981	REPLACEMENT	N/A
PIPE SUPPORT	BECHTEL	N/A	N/A	MSL-100-H1	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	***MSL-100-H1	1993	REPLACEMENT	NO
PIPE SUPPORT	BECHTEL	N/A	N/A	MSL-100-H9	1982	REPLACED	NO
PIPE SUPPORT	PP&L	N/A	N/A	***MSL-100-H9	1993	REPLACEMENT	NO
MECH. SNUBBER	PACIFIC SCIENTIFIC	02396	N/A	MSL-100-H9B	1989	REPLACED	N/A



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

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

Date 26 JANUARY, 1994

Sheet 10 of 10

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

Unit One

 DCP 92-3020B, WA #'s SEE REMARKS
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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, N-411 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
-------------------	----------------------	-------------------------	--------------------	----------------------	------------	------------------------------------	-------------------------------

MECH. SNUBBER	PACIFIC SCIENTIFIC	02583	N/A	**** MSL-100-H9B	1978	REPLACEMENT	N/A
---------------	--------------------	-------	-----	---------------------	------	-------------	-----

E&S CONSTRUCTION

NIS-2 FORMS



UNIT 1 SEVENTH REFUELING AND INSPECTION OUTAGE E&S CODE REPAIR AND REPLACEMENT SUMMARY

1.0 INTRODUCTION

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

2.0 CODE COMPLIANCE SUMMARY

All work on ASME Section XI (Classes 1, 2, & 3) items meet the requirements of IWA-4000 (Repair Procedures) and IWA-7000 (Replacements) of ASME Section XI, 1980 Edition thru Winter 1980 Addenda.

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.A SECTION XI REPAIRS AND REPLACEMENTS

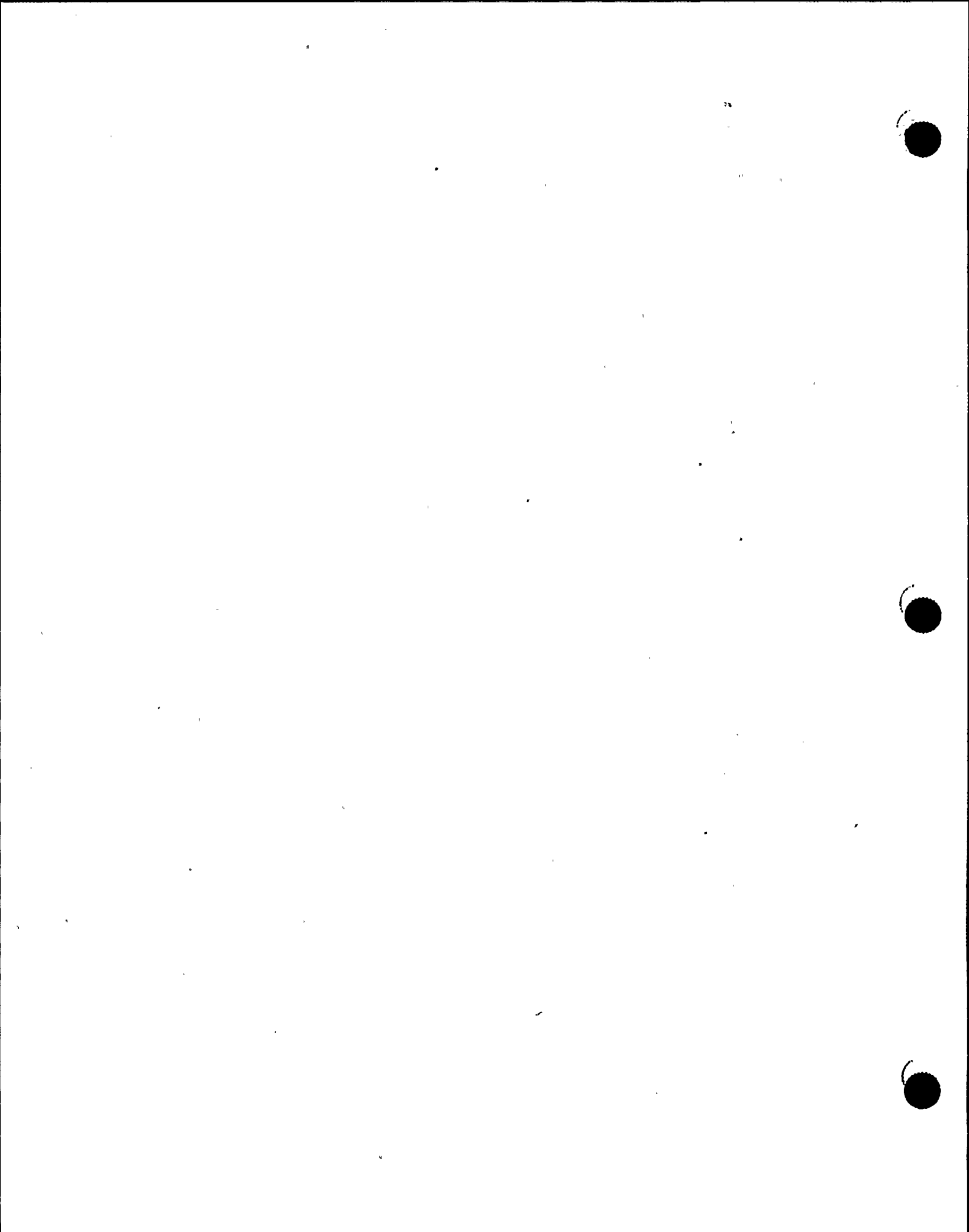
<u>SYSTEM/CLASS</u>	<u>WORK AUTH. NUMBER</u>	<u>DESCRIPTION</u>
016A-III	S24299	Repair 20" Butterfly Valve
024A-III	P22029	Replace Heavy Hex Nuts
	S24988	Repair Small Pipe Support
	P24414	Replace Nuts and Studs
	S34015	Replace Heavy Hex Nuts
054A-III	P22029	Replace Bolting in Flanges
054B-III	S24478	Replace Level Element
099-III	S24187	Replace Nuts and Studs
134D-III	S33521	Replace Flex Hose 1E231D
	S33422	Replace Flex Hose 1E231B
	S33462	Replace Flex Hose 1E231A



<u>SYSTEM/CLASS</u>	<u>WORK AUTH. NUMBER</u>	<u>DESCRIPTION</u>
134E-III	S33420	Replace Upper Flex Hose 1E229B
	S34751	Replace Lower Flex Hose 1E229B
134F-III	S24870	Replace Lower Flex Hose 1E228A
	S34628	Replace Upper Flex Hose 1E228A
	S34628	Replace Lower Flex Hose 1E228A
	S23736	Replace S.S. Flex Hose 1E228A
134G-III	S33329	Replace Lower Flex Hose 1E230C
	S33329	Replace Upper Flex Hose 1E230C
	S33419	Replace Lower Flex Hose 1E230D
	S33421	Replace Lower Flex Hose 1E230A
134K-II	S15390	Replace Pipe Support HBD-1039-H15
135B-III	S33778	Replace Leak-Off Plugs
	S33779	Replace Leak-Off Plugs
	S33780	Replace Leak-Off Plugs
	S33781	Replace Leak-Off Plugs
	S16713	Replace Leak-Off Plugs
	P35133	Replace Nuts and Studs
149A-II	S13957	Replace Leak-Off Plugs
	S14501	Replace Leak-Off Plugs
	S14871	Replace Leak-Off Plugs
	S15339	Replace Leak-Off Plugs
	S15196	Replace Disc in Valve SV12362A
	S15197	Repair 1" Solenoid Valve
	S24371	Replace Leak-Off Plugs
	S33042	Replace Leak-Off Plugs
	S23675	Replace Leak-Off Plugs
	S23675	Grind off Head of Leak-Off Plug
	S24540	Replace Leak-Off Plugs
	S34481	Replace Strut on Line GBB-114
	S34588	Replace Leak-Off Plugs
	S34620	Replace Bracket on Line GBB-109-H38
H30514	Replace Disc on Valve HV151F028A	
H30514	Replace Bonnet Stud on Valve HV151F028A	



<u>SYSTEM/CLASS</u>	<u>WORK AUTH. NUMBER</u>	<u>DESCRIPTION</u>
	H30514 S23355 S34841	Repair 18" Gate Valve HV151F028A Replace Leak-Off Plug Replace Valve 151029
149B-II	S34840	Replace Valve 151F124B
149B-III	P25056	Replace angle on SP-HBD-5031-H2004
149G-I	S34624	Replace Stem/Disc in Valve 1-51-102
149G-II	S23718 S23718 S24950	Replace Valve PSV 1551F029 Replace Leak-Off Plug Replace 1" Piping on SP-HBD-564-1
150B-II	S24606 S33463 S33463 S03500	Replace Stem/Disc Assembly Replace Stem/Disc Assemblies Replace Backseat Bushing Resubmission of NIS-2
151A-I	S24498	Replace Plug in Valve 152F007B
151A-II	S14779 S14780	Replace Leak-Off Plug Replace Leak-Off Plug
152B-II	S14805 S14805 S24829 S23829 S24866 S23931 S23931 S33842 S33935 S33974 S33957	Replace Spring Housing Replace Hex Head Bolts Replace Leak-Off Plug Seal-Weld Leak-Off Plug Machine Valve HV155F001 for Disc fit Replace BackSeat Bushing Replace Stem/Disc Assembly Replace Disc in Valve HV155F001 Replace Plug and Stem Replace Stem/Disc Assembly Replace Stem.Disc Assembly
154A-III	S23793 S23793 S24452	Replace Valve HV08693A Replace Nuts and Studs Replace Valve HV11024B2



<u>SYSTEM/CLASS</u>	<u>WORK AUTH. NUMBER</u>	<u>DESCRIPTION</u>
161A-III	S24447	Replace Leak-Off Plug
	S24447	Fabricate New Leak-Off Plug
	S23648	Replace Bonnet on Valve 145029A
	S24954	Replace Leak-Off Plug
155B-II	S34715	Replace Stem/Disc Assembly(s)
	S34715	Chase Threads/Lap Seat of Valve
	S34724	Replace Stem/Disc Assembly(s)
	S34724	Chase Threads/Lap Seat of Valve
	S34725	Replace Stem/Disc Assembly(s)
	S34725	Chase Threads/Lap Seat of Valve
	S34727	Replace Stem/Disc Assembly(s)
	S34727	Chase Threads/Lap Seat of Valve
	S34695	Replace Stem/Disc Assembly(s)
	S34695	Chase Threads/Lap Seat of Valve
	S34752	Replace Nitrogen Accumulator
	S34773	Replace Nitrogen Accumulator
	S34843	Replace Nitrogen Accumulator
	S35234	Replace Stem/Disc Assembly(s)
	S35234	Chase Threads/Lap Seat of Valve
	S43022	Replace Nitrogen Accumulator
	S43037	Replace Stem/Disc Assembly(s)
S43037	Chase Threads/Lap Seat of Valve	
S43048	Replace Stem/Disc Assembly(s)	
S43048	Chase Threads/Lap Seat of Valve	
S43067	Replace Nitrogen Accumulator	
S15213	Replace Nitrogen Accumulator	
161B-III	S23880	Replace Stem/Disc Assembly(s)
	S23880	Replace BackSeat Bushing
162A-I	H20341	Replace Control Rod Drives
	H20341	Replace Eight Housing Bolts
	H20342	Replace Control Rod Drives
	H20342	Replace Eight Housing Bolts
	H20343	Replace Control Rod Drives
H20343	Replace Eight Housing Bolts	

<u>SYSTEM/CLASS</u>	<u>WORK AUTH. NUMBER</u>	<u>DESCRIPTION</u>
	H20348	Replace Control Rod Drives
	H20348	Replace Eight Housing Bolts
	H20349	Replace Control Rod Drives
	H20349	Replace Eight Housing Bolts
	H20350	Replace Control Rod Drives
	H20350	Replace Eight Housing Bolts
	H20351	Replace Control Rod Drives
	H20351	Replace Eight Housing Bolts
	H20352	Replace Control Rod Drives
	H20352	Replace Eight Housing Bolts
	H20354	Replace Control Rod Drives
	H20354	Replace Eight Housing Bolts
	H20355	Replace Control Rod Drives
	H20355	Replace Eight Housing Bolts
	H20356	Replace Control Rod Drives
	H20356	Replace Eight Housing Bolts
	H20357	Replace Control Rod Drives
	H20357	Replace Eight Housing Bolts
	H20358	Replace Control Rod Drives
	H20358	Replace Eight Housing Bolts
	H20359	Replace Control Rod Drives
	H20359	Replace Eight Housing Bolts
	H20360	Replace Control Rod Drives
	H20360	Replace Eight Housing Bolts
	H20361	Replace Control Rod Drives
	H20361	Replace Eight Housing Bolts
	H20362	Replace Control Rod Drives
	H20362	Replace Eight Housing Bolts
	H20363	Replace Control Rod Drives
	H20363	Replace Eight Housing Bolts
	H20364	Replace Control Rod Drives
	H20364	Replace Eight Housing Bolts
	H20366	Replace Control Rod Drives
	H20366	Replace Eight Housing Bolts
	H20365	Replace Control Rod Drives
	H20365	Replace Eight Housing Bolts



<u>SYSTEM/CLASS</u>	<u>WORK AUTH. NUMBER</u>	<u>DESCRIPTION</u>
	H20367	Replace Control Rod Drives
	S34920	Remove Pipe Clamp
	S34915	Replace Bracket & Load Pin
	S23590	Re submission of NIS-2
164A-I	S43091	Refabricate Hangers
	S43091	Replace Valve XV-142F059G
164A-II	S13298	Replace Disc in Valve SV12374
164B-I	S34914	Blend Out Indications on Pipes
164D-II	S34766	Replace Rod on SP Hanger
173A-II	S34940	Replace Leak-Off Plug
173C-II	S23683	Replace Valve 157138
	S23683	Replace 1" Piping on SP-HCB-108-3
	S23683	Install New Hanger Clips
183A-I	S23901	Replace Bonnet on Valve 141016
	S23898	Replace Stem/Disc Assembly
	S23898	Replace Backseat Bushing
	S23900	Replace Stem/Disc Assembly
183A-II	S33846	Replace Valve LSL-10112A-R1
	S33846	Replace 1" Piping on SP-DBB-102-6
	S34064	Replace Leak-Off Plug
	S24103	Replace Valve LSL-10108-TOP
	S24103	Replace 1" Piping on SP-DBB-105-3-33
	S34387	Replace Stem/Disc Assembly
	S34387	Replace Backseat Bushing
	S34571	Replace Level Switch LSL 10108
	S34581	Replace Level Switch LSL 10112D
	S34596	Replace Level Switch LSHH 10112D
	S34595	Replace Level Switch LSL 10112A
	S23899	Replace Bonnet on Valve HV141F020
183D-III	S34789	Remove, Rotate, and Reweld Bracket

<u>SYSTEM/CLASS</u>	<u>WORK AUTH. NUMBER</u>	<u>DESCRIPTION</u>
183E-III	S34838	Replace Eye Rod Arm End
	S34838	Replace Heavy Hex Nuts
	H30334	Replace Hex Nuts
	S35024	Replace Rod Eye End
183F-II	S23839	Replace Jam Nuts on Hangers
	S23839	Replace Rod Eye Ends on Hangers
	S23839	Replace Load Stud on Hanger

3.B) SECTION I & VIII REPAIRS

027A	S33712	Repair Electrode Bushings
027B	S20901	Repair Electrode Bushings
	S30538	Repair Electrode Bushings
	S23425	Cut and Weld to replace Union



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

2. Plant Susquehanna Steam Electric Station
Name

 PO Box 467, Berwick, PA 18603
Address

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

 Two North Ninth St., Allentown, PA 18101
Address

Date 2/11/94

Sheet 1 of 1

Unit 1: WORK AUTHORIZATION S24299

 CODE REPAIR FORM C92-016-270
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR SERVICE WATER 016A III

5. (a) Applicable Construction Code SECTION III 19 74 Edition, NO Addenda, 1773 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 20" BUTTERFLY VALVE	JAMESBURY CORP.	ND213837-01B	N/A	112002	1986	REPAIRED	YES

7. Description of Work SAMPLE OF VALVE BODY REMOVED FOR MATERIAL TESTING

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
 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 3/16, 19 94
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 12/21/92 to 6/6/93, 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 PA WC 24619 ANU
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 3 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A
4. Identification of System DIESEL GENERATORS AND AUXILIARY; 024A CLASS 3
5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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) TWELVE 1/2 - 13 HEAVY HEX NUTS	PERFEX	INTERCOOLER S/N 1129501-1	N/A	0E505E2	1984	REPLACED	NO
2) TWELVE 1/2 - 13 HEAVY HEX NUTS	NOVA	HT. NUMBER 0-0708FF	N/A	0E505E2	1991	REPLACEMENT	NO
3) SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SP-HRC-9-H2013	1982	REPAIRED	NO
4) TWELVE 1/2" - 13 X 6" STUDS	PERFEX	INTERCOOLER S/N 841601	5661	0E505A2	1976	REPLACED	NO
5) TWELVE 1/2" - 13 X 6" STUDS	CARDINAL	HT. NUMBER 8095311	N/A	0E505A2	1990	REPLACEMENT	NO

7. Description of Work See Last Page
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
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 3/16, 19 94
Owner or Owner's Designer, Title V.P. - NUCLEAR OPERATIONS

CERTIFICATION OF INSERVICE INSPECTION

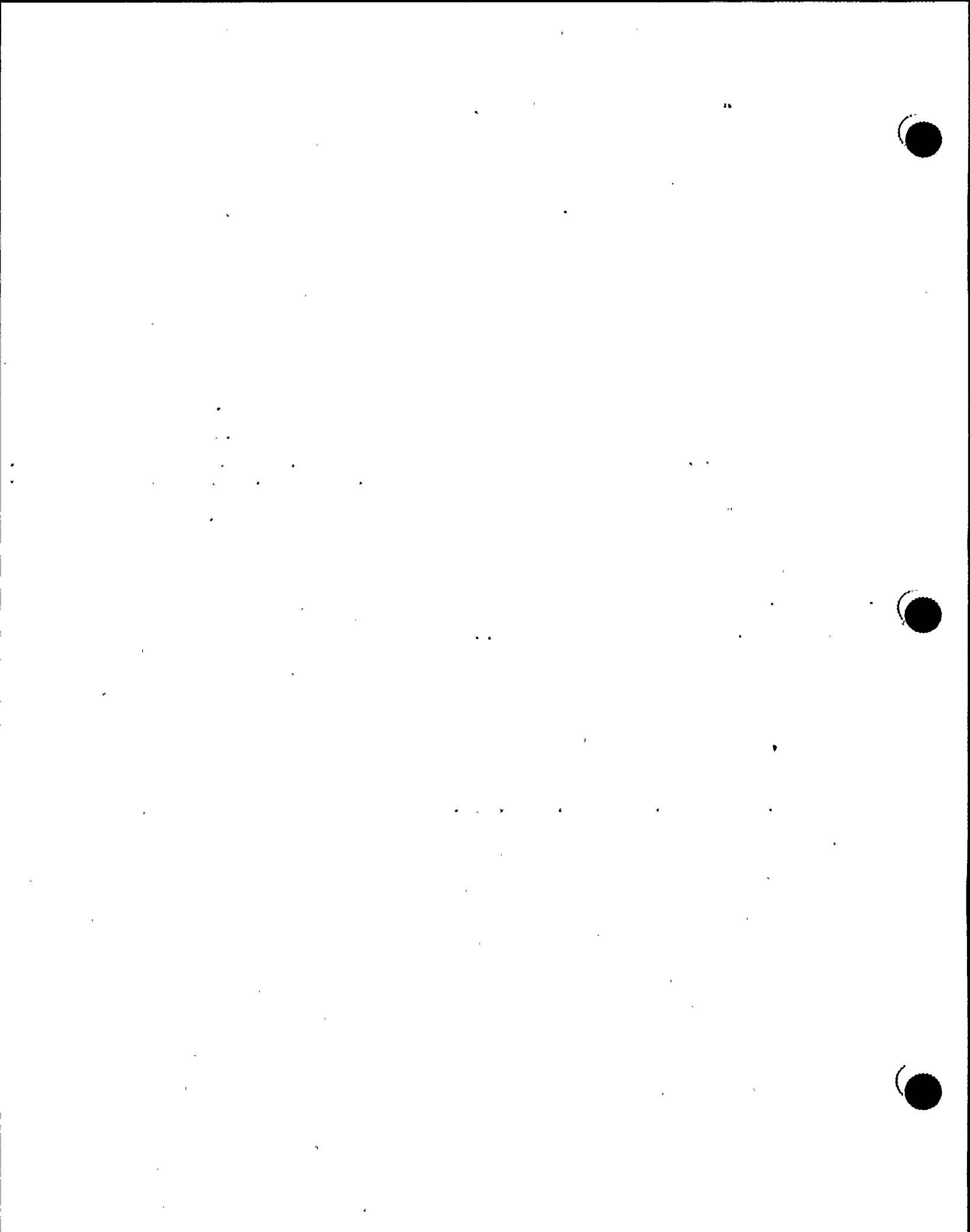
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS have inspected the components described in this Owner's Report during the period 6/22/92 to 6/30/92, 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 W2 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

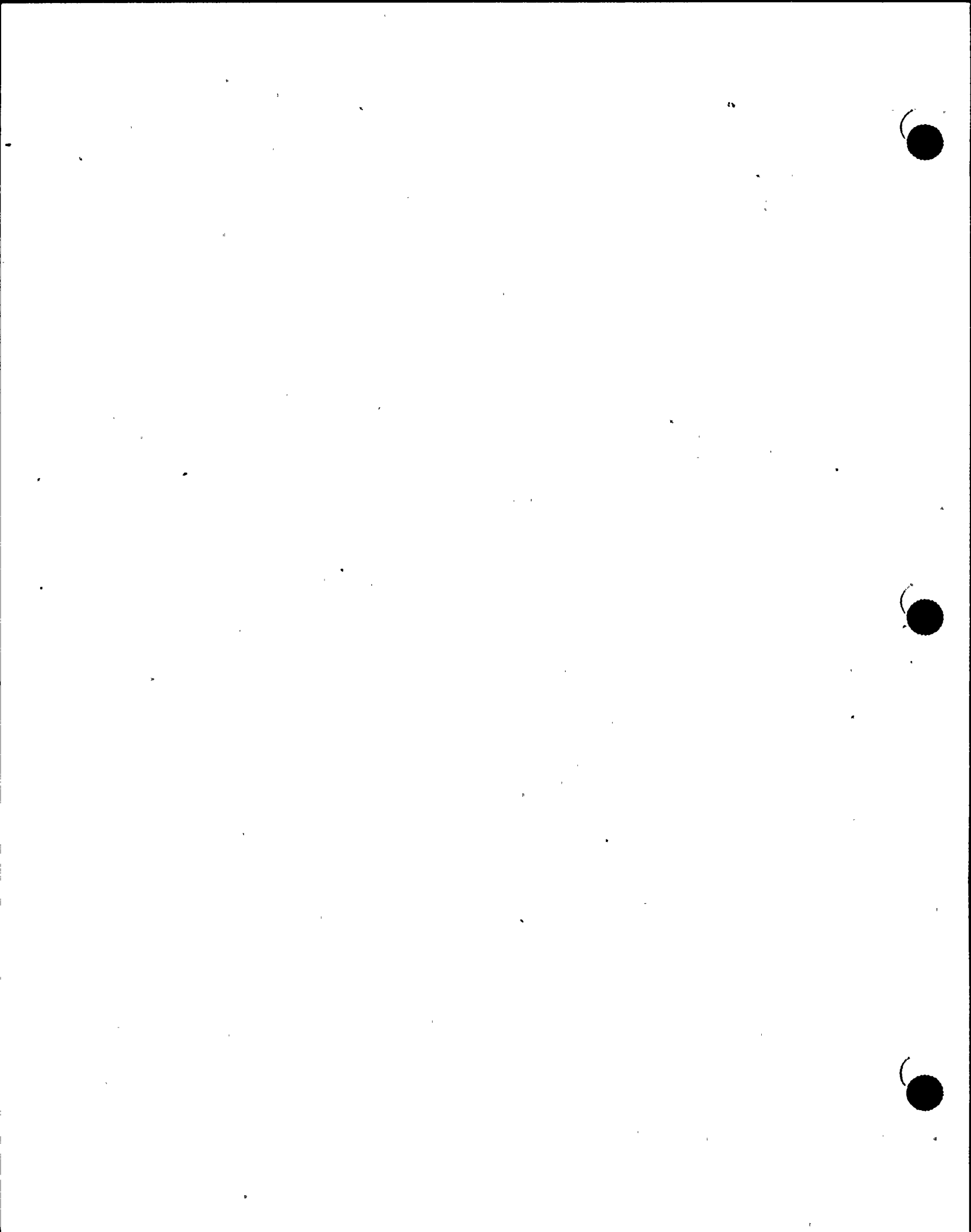
Date March 17 19 94



FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS¹
As Required by the Provisions of the ASME Code Section XI

<p>1. Owner <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small></p> <p><u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small></p>	<p>Date <u> 2/11/94 </u></p> <p>Sheet <u> 4 </u> of <u> 5 </u></p>
<p>2. Plant <u> Susquehanna Steam Electric Station </u> <small style="margin-left: 100px;">Name</small></p> <p><u> PO Box 467, Berwick, PA 18603 </u> <small style="margin-left: 100px;">Address</small></p>	<p>Unit <u> 1: See Sheet 3 For Work Documents </u></p> <p><small style="margin-left: 100px;">Repair Organization P.O. No., Job No., etc.</small></p>
<p>3. Work Performed by <u> Pennsylvania Power & Light Co. </u> <small style="margin-left: 100px;">Name</small></p> <p><u> Two North Ninth St., Allentown, PA 18101 </u> <small style="margin-left: 100px;">Address</small></p>	<p>Type Code Symbol Stamp <u> None </u></p> <p>Authorization No. <u> N/A </u></p> <p>Expiration Date <u> N/A </u></p>
<p>4. Identification of System <u> DIESEL GENERATORS AND AUXILIARY 024A CLASS 3 </u></p>	
<p>5. (a) Applicable Construction Code <u> See Sheet 4 </u> 19 <u> </u> Edition, <u> </u> Addenda, <u> </u> Code Case</p> <p> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u> 80 thru W'80 </u></p>	
<p>6. Identification of Components Repaired or Replaced and Replacement Components</p>	

Item (s)	Applicable Construction Code
1	ASME SECTION III; CLASS 3; 1980 EDITION; S'81 ADDENDA
2, 9	ASME SECTION III; CLASS 1; 1989 EDITION; 1989 ADDENDA
3	ASME SECTION III; CLASS 3; 1971 EDITION; W'72 ADDENDA
4, 6, 8	ASME SECTION III; CLASS 3; 1974 EDITION; S'74 ADDENDA
5	ASME SECTION III; CLASS 1; 1989 EDITION; NO ADDENDA
7	ASME SECTION III; CLASS 1; 1983 EDITION ; S'84 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 2/11/94

Sheet 5 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System DIESEL GENERATORS AND AUXILIARY 024A CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1, 2, 8, 9	REPLACED NUTS FOUND TO BE LOST OR IN UNSATISFACTORY CONDITION
3	TEMPORARILY REMOVED SP-HRC-9-H2013 AND REWELDED TO SYSTEM
4, 5, 6, 7	REPLACED NUTS AND STUDS FOUND TO BE RUSTED, CUT, OR DAMAGED
Items (s)	Description of Tests
1, 2, 3, 4, 5, 6, 7, 8, 9,	NO ASME TESTING REQUIRED

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 2/11/94

Two North Ninth St., Allentown, PA 18101.
Address

Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: WORK AUTHORIZATION P22029

PO Box 467, Berwick, PA 18603
Address

CODE REPAIR FORM C92-054-140

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

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER 054A CLASS 3

5. (a) Applicable Construction Code SEE PAGE 2 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 64 EA. 5/8"-11 HEAVY HEX NUTS	M-K	N/A	N/A	N/A	1990	REPLACED	NO
2) 64 EA. 5/8"-11 HEAVY HEX NUTS	A & G ENGINEERING	HT. NO. X64638	N/A	N/A	1992	REPLACEMENT	NO
3) 32 EA. 5/8" - 11 STUDS	M-K	N/A	N/A	N/A	1990	REPLACED	NO
4) 32 EA. 5/8" - 11 STUDS	TEXAS BOLT	HT. NO. KM55	N/A	N/A	1980	REPLACEMENT	NO

7. Description of Work REPLACE BOLTING IN FLANGES AT 011179 AND 011180

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
 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 3/16, 19 94
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 7/1/93 to 11/25/93, 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 DC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17, 19 94

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 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 2 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: WORK AUTHORIZATION P22029

 PO Box 467, Berwick, PA 18603
Address

 CODE REPAIR FORM C92-054-140
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER 054A CLASS 3

5. (a) Applicable Construction Code See Sheet 2 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1, 3	ASME SECTION III, CLASS 3, 1971 EDITION, WINTER 1972 ADDENDA
2	ASME SECTION III, CLASS 1, 1989 EDITION, 1990 ADDENDA
4	ASME SECTION 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.
Name

Date 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: WA S24478, CRF NO C92-054-198

 PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER: SYSTEM 054B CLASS 3

5. (a) Applicable Construction Code Section III 19 71 W 72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) SPRAY POND LEVEL ELEMENT	FLUID COMPONENTS	2030N	N/A	LE-01201A1	PRIOR 1990	REPLACED	NO
2) SPRAY POND LEVEL ELEMENT	FLUID COMPONENTS	2512-N	N/A	LE-01201A1	1987	REPLACEMENT	NO

7. Description of Work REPLACED LEVEL ELEMENT DUE TO FAULTY ELEMENT.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 85 psi Test Temp. 76 °F VT-92-1004, SE-116-301-1

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 3/16 19 94
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 2/11/92 to 3/11/94, 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 NB7866 PA WC 24619 ANU
National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: WORK AUTHORIZATION S24187

 PO Box 467, Berwick, PA 18603
Address

 CODE REPAIR FORM C93-072-010
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System NUCLEAR COMPONENTS IN NON-NUCLEAR SYSTEMS; 099 CLASS 3

5. (a) Applicable Construction Code See Sheet 2 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 24 EA. 5/8" - 11 HEAVY HEX NUTS	ATLAS	CONDENSER S/N 3141	2519	0E134	1975	REPLACED	NO
2) 24 EA. 5/8" - 11 HEAVY HEX NUTS	NOVA	HT. CODE 2DY	N/A	0E134	1992	REPLACEMENT	NO
3) 24 EA. 5/8" - 11 X 4 1/2" STUDS	ATLAS	CONDENSER S/N 3141	2519	0E134	1975	REPLACED	NO
4) 24 EA. 5/8" - 11 X 4 1/2" STUDS	CARDINAL	HT. CODE W1	N/A	0E134	1983	REPLACEMENT	NO

7. Description of Work REPLACE FATIGUED NUTS AND STUDS DUE TO END BELL LEAK

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
 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 3/16 19 94
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 6/12/93 to 3/12/94, 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 NB9866 PAUC24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 2
Address

2. Plant Susquehanna Steam Electric Station Unit 1: WORK AUTHORIZATION S24187
Name
 PO Box 467, Berwick, PA 18603 CODE REPAIR FORM C93-072-010
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System NUCLEAR COMPONENTS IN NON-NUCLEAR SYSTEMS; 099 CLASS 3

5. (a) Applicable Construction Code See Sheet 2 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1, 3	ASME SECTION III, CLASS 3, 1971 EDITION, SUMMER 1971 ADDENDA
2	ASME SECTION III, CLASS 1, 1986 EDITION, NO ADDENDA
4	ASME SECTION III, CLASS 1, 1983 EDITION, WINTER 1983 ADDENDA

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 3/16 19 94
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 6/1/93 to 12/2/94, 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 NB7866 PAWC 54619 AN 11
National Board, State, Province, and Endorsements
Date March 17 19 94

FACTORY MUTUAL ENG ASSOC.



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 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 3 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: See Sheet 2 For Work Documents

 PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System CORE SPRAY PUMP ROOM COOLING; 134D CLASS 3

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1, 2, 3, 4, 5, 6	ANSI B31.1 (THESE ARE NON CODE HOSES CONNECTING CODE ITEMS AND THEREFORE TRACEABILITY SHALL BE MAINTAINED.)

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 2/11/94

Two North Ninth St., Allentown, PA-18101
Address

Sheet 1 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: See Sheet 2 For Work Documents

PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System HPCI PUMP COOLING ROOM; 134E CLASS 3

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 2" UPPER FLEX HOSE	ANACONDA	N/A	N/A	1E229B	<1987	REPLACED	NO
2) 2" UPPER FLEX HOSE	ANAMET	105144	N/A	1E229B	1987	REPLACEMENT	NO
3) 2" LOWER FLEX HOSE	ANACONDA	N/A	N/A	1E229B	1987	REPLACED	NO
4) 2" LOWER FLEX HOSE	ANAMET	004	N/A	1E229B	1993	REPLACEMENT	NO

7. Description of Work FLEX HOSES WERE REPLACED DUE TO LEAKAGE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
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 3/16 19 94
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 4/5/93 to 12/7/93, 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 NBT866 PA IX 24619 AN11
National Board, State, Province, and Endorsements

Date March 17 19 94



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 2/11/94
 Sheet 3 of 4

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

Unit 1: See Sheet 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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System HPCI PUMP COOLING ROOM; 134E CLASS 3

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)
 1, 2, 3, 4

Applicable Construction Code

ANSI B31.1 (THESE ARE NON-CODE HOSES CONNECTING CODE ITEMS AND THEREFORE
 TRACEABILITY SHALL BE MAINTAINED.)



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 2/11/94
 Sheet 4 of 4

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

Unit 1: See Sheet 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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System HPCI PUMP COOLING ROOM; 134E CLASS 3

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Items (s)	Description of Tests
1, 2	VT-2 PERFORMED DURING SE-054-301-2 125 PSIG; 73° F; VT-93-104
3, 4	VT-2 PERFORMED DURING SE-054-301-2; 117 PSIG; 52° F; VT-93-467

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 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 5

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: See Sheet 3 For Work Documents

 PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RCIC PUMP ROOM COOLING; 134F CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 2" LOWER FLEX HOSE	ANACONDA	N/A	N/A	1E228A	1987	REPLACED	NO
2) 2" LOWER FLEX HOSE	ANAMET	0291-19251-03-16	N/A	1E228A	1991	REPLACEMENT	NO
3) 2" UPPER FLEX HOSE	ANACONDA	N/A	N/A	1E228A	1987	REPLACED	NO
4) 2" UPPER FLEX HOSE	ANAMET	001	N/A	1E228A	1987	REPLACEMENT	NO
5) 2" LOWER FLEX HOSE	ANAMET	0291-19251-03-16	N/A	1E228A	1991	REPLACED	NO
6) 2" LOWER FLEX HOSE	ANAMET	001	N/A	1E228A	1993	REPLACEMENT	NO

7. Description of Work FLEX HOSES WERE REPLACED DUE TO LEAKAGE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
 Other Pressure psi Test Temp. 5X P L ENTER L A N U A E PCL

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 3/16, 19 94
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 10/12/93 to 12/29/93, 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 DC 24619 AW 11
Inspector's Signature National Board, State, Province, and Endorsements

Date _____ 19 _____

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 2/11/94

Sheet 4 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RCIC PUMP ROOM COOLING; 134F CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)

Applicable Construction Code

1, 2, 3, 4, 5, 6,7,8

ANSI B31.1 (THESE ARE NON CODE HOSES CONNECTING CODE ITEMS AND THEREFORE
 TRACEABILITY SHALL BE MAINTAINED.)

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 2/11/94

Sheet 5 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RCIC PUMP ROOM COOLING; 134F CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Items (s)	Description of Tests
1, 2	VT-2 DURING SE-054-301-1; 114 PSIG; 55° F; VT-93-277
3, 4, 5, 6	VT-2 DURING SE-054-301-1; 97 PSIG; 50° F; VT-93-468
7, 8	VT-2 DURING SE 054-301-1; 120 PSIG; 67° F; VT-92-787



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 2/11/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: See Sheet 3 For Work Documents

PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR PUMP ROOM COOLING 134G CLASS III

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 2" LOWER FLEX HOSE	ANACONDA	N/A	N/A	1E230C	1987	REPLACED	NO
2) 2" LOWER FLEX HOSE	ANAMET	0291-19251-02-19	N/A	1E230C	1991	REPLACEMENT	NO
3) 2" UPPER FLEX HOSE	ANACONDA	N/A	N/A	1E230C	1987	REPLACED	NO
4) 2" UPPER FLEX HOSE	ANAMET	0291-19251-02-13	N/A	1E230C	1991	REPLACEMENT	NO
5) 2" LOWER FLEX HOSE	ANACONDA	N/A	N/A	1E230D	1987	REPLACED	NO
6) 2" LOWER FLEX HOSE	ANAMET	S/N 0291-19251-02-27	N/A	1E230D	1991	REPLACEMENT	NO

7. Description of Work FLEX HOSES WERE REPLACED DUE TO LEAKAGE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
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 3/16, 19 94
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 3/8/93 to 10/22/93, 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 March 17 19 94

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 2/11/94

Sheet 2 of 4

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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR PUMP ROOM COOLING 134G CLASS III

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

7) 2" LOWER FLEX HOSE	ANACONDA	N/A	N/A	1E230A	1987	REPLACED	NO
8) 2" LOWER FLEX HOSE	ANAMET	S/N 006	N/A	1E230A	1993	REPLACEMENT	NO



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

1. Owner Pennsylvania Power & Light Co. Date 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 4
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 3 For Work Documents
Name
 PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RHR PUMP ROOM COOLING 134G CLASS III

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,2,3,4,5,6,7,8	ANSI B31.1 (THESE ARE NON CODE HOSES CONNECTING CODE ITEMS AND THEREFORE TRACEABILITY SHALL BE MAINTAINED.)
Items (s)	Description of Tests
1,2,3,4	VT-2 DURING SE-054-301-2; 125PSIG; 68° F; VT-93-093
5,6,7,8	VT-2 DURING SE-054-301-1; 114PSIG; 55° F; VT-93-468



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 2/11/94
Sheet 1 of 2

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

Unit 1: WORK AUTHORIZATION S15390
CODE REPAIR FORM C92-134-149
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 Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System RB CHILLED WATER 134K CLASS 2

5. (a) Applicable Construction Code See Sheet 2 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) LARGE PIPE SUPPORT	BECHTEL	N/A	N/A	HBD-1039-H15	1982	REPLACED	NO
2) LARGE PIPE SUPPORT	PP&L	N/A	N/A	HBD-1039-H15	1992	REPLACEMENT	NO

7. Description of Work PARTIAL REPLACEMENT TO ADD REMOVABLE FLANGES.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
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 3/16 19 94
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 7/2/92 to 10/11/93, 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.

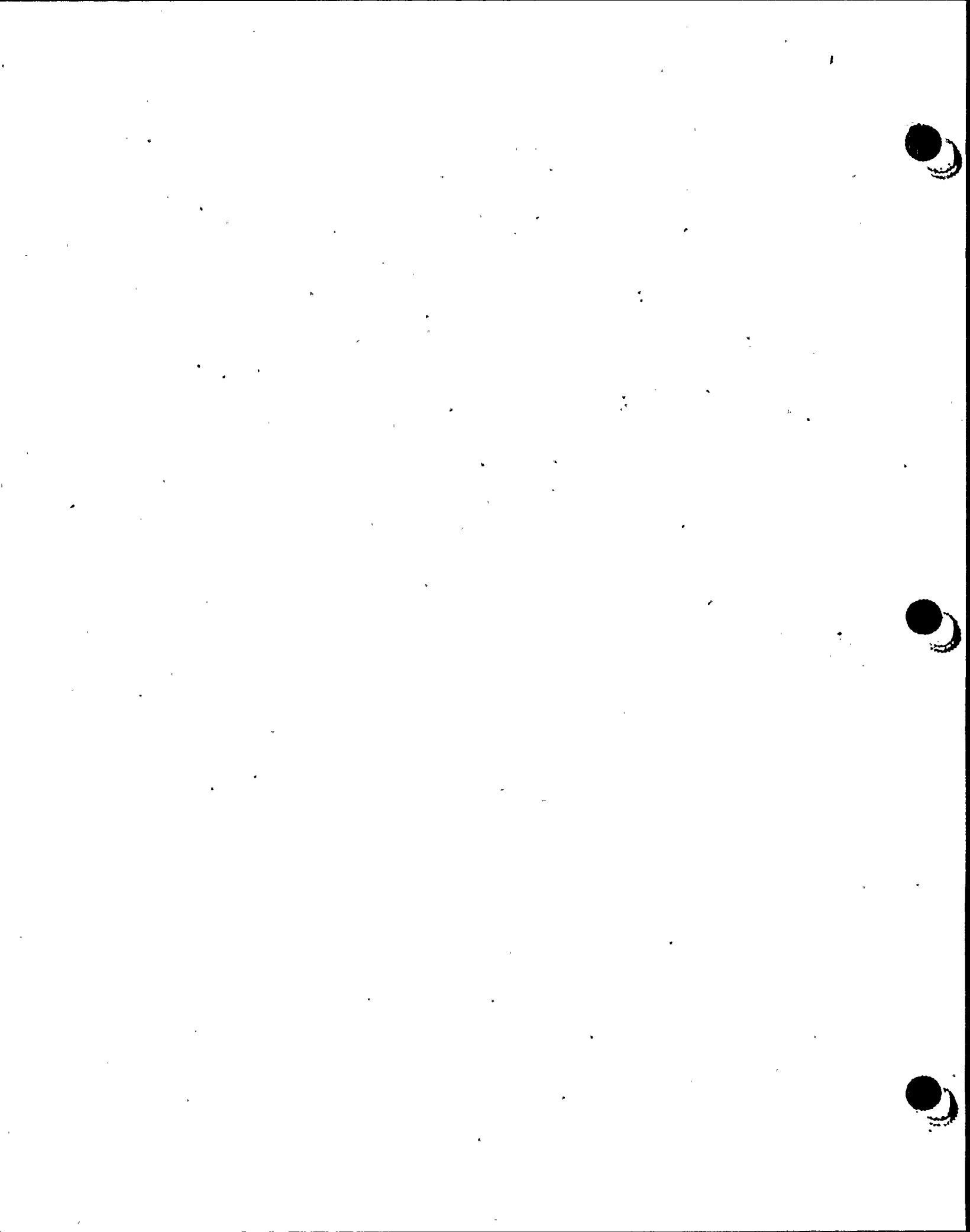
[Signature] Commissions NB 7866 PAW324619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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> 2/11/94 </u> Sheet <u> 2 </u> of <u> 2 </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: See Sheet 1 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 Stamp <u> None </u> Authorization No. <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> RB CHILLED WATER 134K CLASS 2 </u>	
5. (a) Applicable Construction Code <u> See Sheet 2 </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> 80 thru W'80 </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

Item (s)	Applicable Construction Code
1	ASME SECTION III; CLASS 2; 1971 EDITION; W'72 ADDENDA
2	ASME SECTION III; CLASS 3; 1986 EDITION, 1987 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 2/11/94
Sheet 1 of 7

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 Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System FUEL POOL COOLING 135B CLASS 3

5. (a) Applicable Construction Code See Sheet 7 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) VALVE LEAK-OFF PLUG	ANCHOR-DARLING	VALVE S/N E5854-98-1	N/A	153002A	1976	REPLACED	NO
2) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT.CODE AEM	N/A	153002A	1989	REPLACEMENT	NO
3) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0045-6	N/A	153004A	1976	REPLACED	NO
4) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153004A	1989	REPLACEMENT	NO
5) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0054-6	N/A	153006A	1976	REPLACED	NO

7. Description of Work SEE SHEET 7

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
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 3/16 .19 94
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 6/7/93 to 9/15/93, 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 FACTORY MUTUAL ENG ASSOC. NB7866 PAWC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
 PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System FUEL POOL COOLING; 135B CLASS 3
5. (a) Applicable Construction Code See Sheet 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
6) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153006A	1989	REPLACEMENT	NO
7) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0055-6	N/A	153010A	1976	REPLACED	NO
8) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153010A	1989	REPLACEMENT	NO
9) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0057-6	N/A	153002B	1976	REPLACED	NO
10) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153002B	1984	REPLACEMENT	NO
11) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0052-6	N/A	153004B	1976	REPLACED	NO
12) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT.CODE AEM	N/A	153004B	1984	REPLACEMENT	NO
13) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0046-6	N/A	153006B	1976	REPLACED	NO
14) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT.CODE AEM	N/A	153006B	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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
 PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System FUEL POOL COOLING; 135B CLASS 3
5. (a) Applicable Construction Code See Sheet 7 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
15) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0047-6	N/A	153010B	1976	REPLACED	NO
16) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153010B	1984	REPLACEMENT	NO
17) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0081-6	N/A	153013	1976	REPLACED	NO
18) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153013	1989	REPLACEMENT	NO
19) VALVE LEAK-OFF PLUG	WALWORTH	VALVE S/N A1237	N/A	153023	1975	REPLACED	NO
20) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE CGJ	N/A	153023	1989	REPLACEMENT	NO
21) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0056-6	N/A	153045	1976	REPLACED	NO
22) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153045	1989	REPLACEMENT	NO
23) VALVE LEAK-OFF PLUG	ANCHOR DARLING	VALVE S/N E9140-1-1	N/A	153114	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 2/11/94
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 4 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
- 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 Stamp None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
- Expiration Date N/A
4. Identification of System FUEL POOL COOLING; 135B CLASS 3
5. (a) Applicable Construction Code See Sheet 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
24) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE CGJ	N/A	153114	1989	REPLACEMENT	NO
25) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0059-6	N/A	153002C	1976	REPLACED	NO
26) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153002C	1989	REPLACEMENT	NO
27) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0049-6	N/A	153004C	1976	REPLACED	NO
28) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153004C	1989	REPLACEMENT	NO
29) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0048-6	N/A	153006C	1976	REPLACED	NO
30) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153006C	1989	REPLACEMENT	NO
31) VALVE LEAK-OFF PLUG	PACIFIC	VALVE S/N 0050-6	N/A	153010C	1976	REPLACED	NO
32) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	153010C	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 2/11/94
Name

 Two North Ninth St., Allentown, PA 18101 Sheet 7 of 7
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name

 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 Stamp None
Name

 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address

Expiration Date N/A

4. Identification of System FUEL POOL COOLING; 135B CLASS 3

5. (a) Applicable Construction Code See Sheet 7 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1	ASME SECTION III, CLASS 3, 1971 EDITION, WINTER 1972 ADDENDA, CODE CASES 1516-1 & 1534
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34	ASME SECTION III, CLASS 1, 1986 EDITION, 1988 ADDENDA
3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 25, 27, 29, 31	ASME SECTION III, CLASS 3, 1971 EDITION, WINTER 1972 ADDENDA
23	ASME SECTION III, CLASS 3, 1971 EDITION, WINTER 1972 ADDENDA, code cases 1516-1, 1534, 1535-2, 1334-2
33	ASME SECTION III, CLASS 3, 1974 EDITION, SUMMER 1974 ADDENDA
35,37	ASME SECTION III, CLASS 3, 1971 EDITION, WINTER 1971 ADDENDA
36	ASME SECTION III; CLASS 1, 1983 EDITION, WINTER 1983 ADDENDA
38	ASME SECTION III, CLASS 1, 1986 EDITION, NO ADDENDA
Item (s)	Description of Work
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, 26,27,28,29,30,31,32,33,34	REPLACE COMMERCIAL GRADE LEAK-OFF PLUG WITH ASME PLUG
35,36,37,38	REPLACE NUTS AND STUDS FOUND TO BE LOST

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 2/11/94

Sheet 1 of 9

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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) VALVE LEAK-OFF PLUG	ANCHOR DARLING	VALVE S/N E5854-27-2	N/A	HV151F024B	1977	REPLACED	NO
2) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	HV151F024B	1989	REPLACEMENT	NO
3) VALVE LEAK-OFF PLUG	ANCHOR DARLING	VALVE S/N E5854-13-2	N/A	HV151F006B	1975	REPLACED	NO
4) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	HV151F006B	1989	REPLACEMENT	NO
5) VALVE LEAK-OFF PLUG	ANCHOR DARLING	VALVE S/N E5854-2-1	N/A	HV151F003A	1976	REPLACED	NO

7. Description of Work See Last Page

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 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 SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16 19 94
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 1/26/92 to 11/1/93, 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 PAUC 24619 AN11
National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 9
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2
5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6) VALVE LEAK-OFF PLUG	CARDINAL	HT. CODE JT1	N/A	HV151F003A	1991	REPLACEMENT	NO
7) VALVE LEAK-OFF PLUG	ANCHOR DARLING	VALVE S/N E5854-24-4	N/A	151F034A	1976	REPLACED	NO
8) VALVE LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	151F034A	1989	REPLACEMENT	NO
9) MAIN DISC	TARGET ROCK	VALVE S/N 75KK-209-3	N/A	SV12362A	1981	REPLACED	YES
10) MAIN DISC	TARGET ROCK	2185	N/A	SV12362A	1992	REPLACEMENT	YES
11) 1" SOLENOID VALVE	TARGET ROCK	75KK-209-1	N/A	SV12360A	1981	REPAIRED	YES
12) VALVE LEAK-OFF PLUG	ANCHOR DARLING	VALVE S/N E5854-13-3	N/A	HV151F006C	1975	REPLACED	NO
13) VALVE LEAK-OFF PLUG	CARDINAL	HT. CODE JT-1	N/A	HV151F006C	1991	REPLACEMENT	NO
14) VALVE LEAK-OFF PLUG	ANCHOR DARLING	VALVE S/N E5854-102-1	N/A	112F078A	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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 9
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2.
5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
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)
15) VALVE LEAK OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	112F078A	1989	REPLACEMENT	NO
16) VALVE LEAK OFF PLUG	ANCHOR DARLING	VALVE S/N E5854-25-1	N/A	151070	1976	REPLACED	NO
17) VALVE LEAK OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	151070	1989	REPLACEMENT	NO
18) VALVE LEAK OFF PLUG	ANCHOR DARLING	VALVE S/N E5854-24-2	N/A	151F034C	1976	REPLACED	NO
19) VALVE LEAK OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	151F034C	1989	REPLACEMENT	NO
20) SWAY STRUT W=1'-9/32"	BECHTEL / GRINNELL	N/A	N/A	GBB-114-H4	1982	REPLACED	NO
21) SWAY STRUT W=1'-9/32"	GRINNELL	N/A	N/A	GBB-114-H4	1993	REPLACEMENT	NO

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

1. Owner Pennsylvania Power & Light Co. Date 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 4 of 9
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

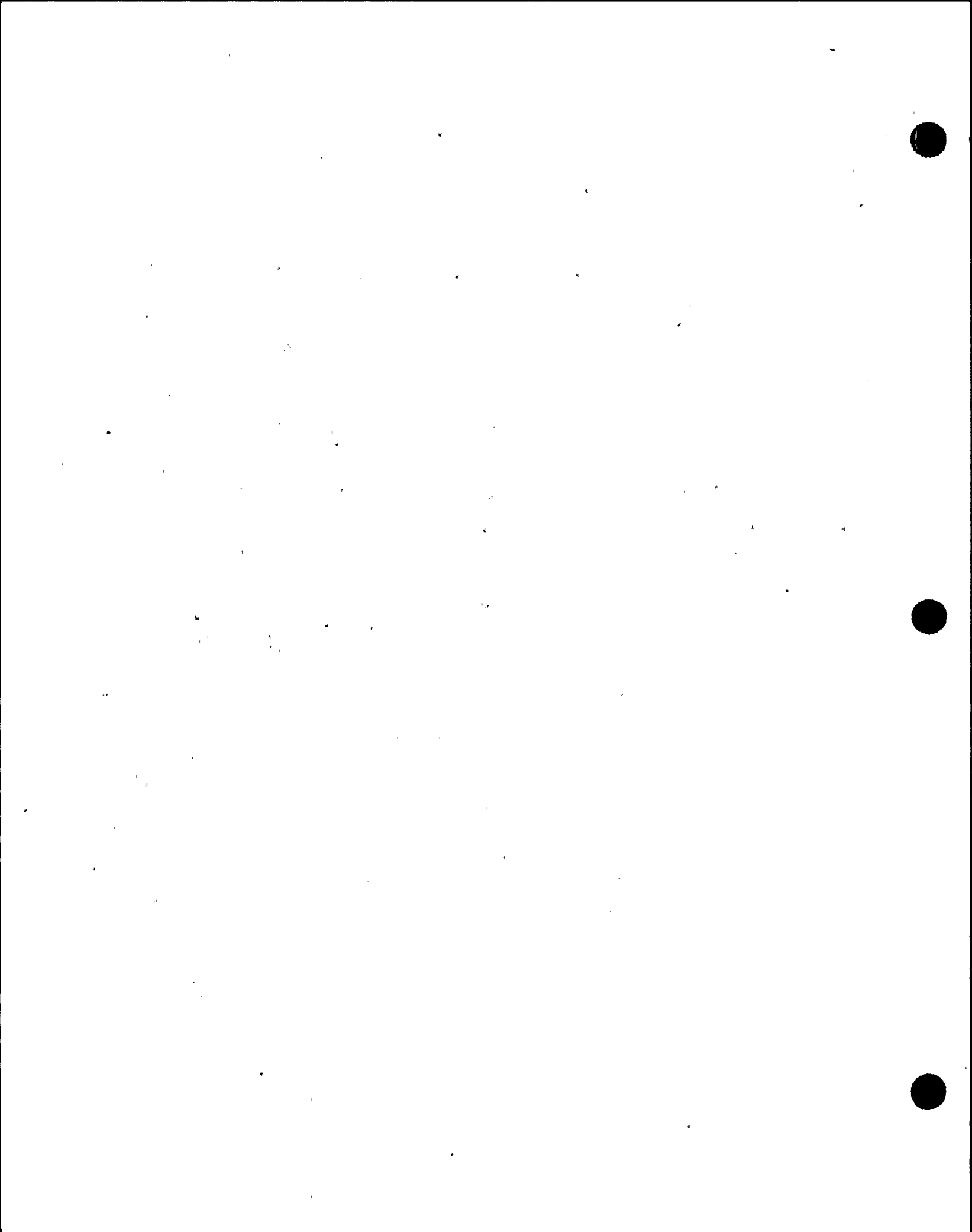
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
22) VALVE LEAK OFF PLUG	ANCHOR DARLING	VALVE S/N E5854-3-1	N/A	HV151F047A	1976	REPLACED	NO
23) VALVE LEAK OFF PLUG	CARDINAL	HT. CODE JTI	N/A	HV151F047A	1991	REPLACEMENT	NO
24) SNUBBER REAR BRACKET	BECHTEL	N/A	N/A	GBB-109-H38	1982	REPLACED	NO
25) SNUBBER REAR BRACKET	GRINNELL	N/A	N/A	GBB-109-H38	1991	REPLACEMENT	NO
26) DISC	ANCHOR DARLING	VALVE S/N E5854-4-1	N/A	HV 151F028A	1976	REPLACED	YES
27) DISC	ANCHOR DARLING	HT. CODE E8806	N/A	HV 151F028A	1988	REPLACEMENT	YES
28) BONNET STUD	ANCHOR DARLING	VALVE S/N E5854-4-1	N/A	HV 151F028A	1976	REPLACED	NO
29) BONNET STUD	OYAKO	HEAT CODE AS	N/A	HV 151F028A	1978	REPLACEMENT	NO
30) 18" GATE VALVE	ANCHOR DARLING	E5854-4-1	N/A	HV 151F028A	1976	REPAIR	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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 9
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2
5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
31) 18" GATE VALVE	ANCHOR DARLING	E5854-4-1	N/A	HV 151F028A	1976	REPAIR	YES
32) 18" GATE VALVE	ANCHOR DARLING	E5854-4-1	N/A	HV 151F028A	1976	REPAIR	YES
33) 1/2" LEAKOFF PIPE PLUG	ANCHOR DARLING	VALVE S/N E5854-2-2	N/A	HV151F003	1976	REPLACED	NO
34) 1/2" LEAKOFF PIPE PLUG	CARDINAL	HT. CODE JT1	N/A	HV151F003	1991	REPLACEMENT	NO
35) 1" GLOBE VALVE	YARWAY	C-2144	N/A	151029	1986	REPLACED	YES
36) 1" GLOBE VALVE	YARWAY	B0574	N/A	151029	1979	REPLACEMENT	YES
37) SNUBBER REAR BRACKET	BECHTEL	N/A	N/A	GBB-109-H38	1991	REPAIR	NO
38) 12"- 300# GATE VALVE	ANCHOR DARLING	S/N E5854-25-1	N/A	151070	1976	REPAIR	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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 6 of 9
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2
5. (a) Applicable Construction Code See Sheet 8 19 Edition, 80 thru W'80 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80
6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1,2	S13957	C91-149-207
3,4	S14501	C91-149-247
5,6	S14871	C91-149-250
7,8	S15339	C92-149-003
9,10	S15196	C92-149-012
11	S15197	C92-149-013
12,13	S24371	C92-149-173
14,15	S33042	C93-149-011
16,17,38	S23675	C93-149-016
18,19	S24540	C93-149-061
20,21	S34481	C93-149-108
22,23	S34588	C93-149-113
24,25,37	S34620	C93-149-118



**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 2/11/94
 Sheet 8 of 9

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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,3,5,7,16,18,22, 26,28,30,31,32,33,38	ASME SECTION III; CLASS 2; 1971 EDITION; W72 ADDENDA, CODE CASES 1516-1,1534
12,14,20,21,24,25,27,37	ASME SECTION III; CLASS 2; 1971 EDITION; W72 ADDENDA
2,4,8,15,17,19	ASME SECTION III; CLASS 1; 1986 EDITION; 1988 ADDENDA
6,13,23,34	ASME SECTION III; CLASS 1; 1989 EDITION; 1989 ADDENDA
9,10,11	ASME SECTION III; CLASS 2; 1980 EDITION; W'80 ADDENDA
29	ASME SECTION III; CLASS 2; 1974 EDITION; S'76 ADDENDA
35	ASME SECTION III; CLASS 2; 1974 EDITION; W74 ADDENDA
36	ASME SECTION III; CLASS 1; 1974 EDITION; W74 ADDENDA

Item (s)	Descriptions of Tests
1,2,3,4,5,6,7,8,9,10,11,12,13,14,1 5,16,17,18,19,29,21,22,23,24,25,3 3,34,35,36,37,38	No ASME testing required
26,27,28,29,30,31,32	VT-2 DURING SE-149-301-1, 275PSIG, 77°F VT-93-295

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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 9 of 9
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2
5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80
6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2,3,4,5,6,7,8,12,13,14,15,16,17,18,19	REMOVE COMMERCIAL GRADE PLUG AND REPLACE WITH ASME PLUG
9,10,26,27	REMOVE AND REPLACE VALVE DISC
11	GROUND OUT AND WELD OF BODY TO BONNET SEAL AFTER VALVE MAINTENANCE
20,21	REMOVE AND REPLACE SWAY STRUT
22,23	REMOVE AND REPLACE LEAK-OFF PLUG
24,25	REMOVE AND REPLACE SNUBBER REAR BRACKET
28,29	REMOVE AND REPLACE BONNET STUD
30	MACHINE MOUNT OF SEAT ON GATE VALVE FOR PROPER DISC FITUP
31	SEAL WELD AND GRIND HEAD OF LEAKOFF PLUG TO ALLEVIATE INTERFERENCE PROBLEM
32	REMOVAL OF DEFECT BY GRINDING ON GATE VALVE
35,36	REMOVE AND REPLACE GLOBE VALVE
37	GRIND OUT AND WELD BRACKET TO HANGER
38	GRIND OFF HEAD OF LEAK-OFF PLUG AND PT WELD

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

ASME Code, Section III, Division 1, Part 1, Subpart 1, Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

- Manufactured and certified by Target Rock Corp, 10668 Broadhollow Rd, E. Farmingdale, NY 11735
(Name and address of NPT Certificate Holder)
- Manufactured for Pennsylvania Power & Light Co, 2300 North Ninth St., Allentown, PA 18104
(Name and address of Purchaser)
- Location of installation Susquehanna SES; US. Rte 11; Berwick, PA 18603
(Name and address)
- Type: 202539-1 / SA-564 630 / 140 KSI / N/A / 1992
(Drawing no.) (Mat'l. spec. no.) (N/A) (Material) (Code) (Year built)
- ASME Code, Section III, Division 1: 1980 / Winter 1980 / 2 / None
(Edition) (Addenda date) (Code Case no.)
- Fabricated in accordance with Const. Spec. (Div. 2 only) N/A / N/A / N/A / N/A
(No.) (Revision) (Date) (No.)
- Remarks: Spare parts for completed valve assembly, Model No. 75KK-209
Main Disc

- Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (in. & in.) N/A Length overall (ft & in.) N/A
- When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 2169	N/A	(26)	
2184	N/A	(27)	
2185	N/A	(28)	
(4) 2203	N/A	(29)	
(5) N/A	N/A	(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)	

- Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure 3300 psig at temp. °F
(when applicable) Ambient

* 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.

No. 92-0259
RECORD PACKAGE
PAGE 1 OF 33

9 1 4 5 0 1 7 2

Design report* certified by W. S. Loomis Reg. no. 19875E
Date 2/27/92

CERTIFICATE OF 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, Division 1.

NPT Certificate of Authorization No. 1948 Expires 12-31-92

Date 2/27/92 Name Target Rock Corporation Signed E. Bajada
E. Bajada; Director, Q.A.

CERTIFICATE OF INSPECTION

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

of Boston, Mass. have inspected these items described in this Data Report on 2/27/92 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 of any kind arising from or connected with this inspection.

Date 2/27/92 Signed William C. Ireland Commissions N. Y. STATE COMMISSION NO. 2288
ALSO COMMISSIONED IN PENN., OHIO & CONN.

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) B0571 THRU B0595

(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

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, 3a 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 N-3 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 Certificate Holder for component or other component)

2. Identification-Certificate Holder's Serial No. of Part S/N U3834 ✓ Next of No. N/A

(a) Constructed According to Drawing No. D7252 Drawing Prepared by Anchor/Darling Valve Company

(b) Description of Part Inspected Disc, Her* No. E8806 SA216-MCB

(c) Applicable ASME Code Section III, Edition 1971, Addenda date Int '72, Case No. N/A Class 2

3. Remarks: 18"-300#-Gate
(Brief description of service for which component was designed)
A/DV S.O. P-405-1

Note: No Disc Hydro Performed

We certify that the statements made in this report are correct and this vessel part or appurtenance is defined as the T-30 C-1
 falls to the rules of construction of the ASME Code Section III.
 (The applicable Design Specifications 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 Specifications and Stress Report if the appurtenance is not included in the component Design Specifications and Stress Report.)

Date 2/12 1988 Signed Anchor/Darling Valve Co. by R. L. Starnett
NPT Certificate Holder

License of Authorization Expires 4/15/89 Certificate of Authorization No. R713

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

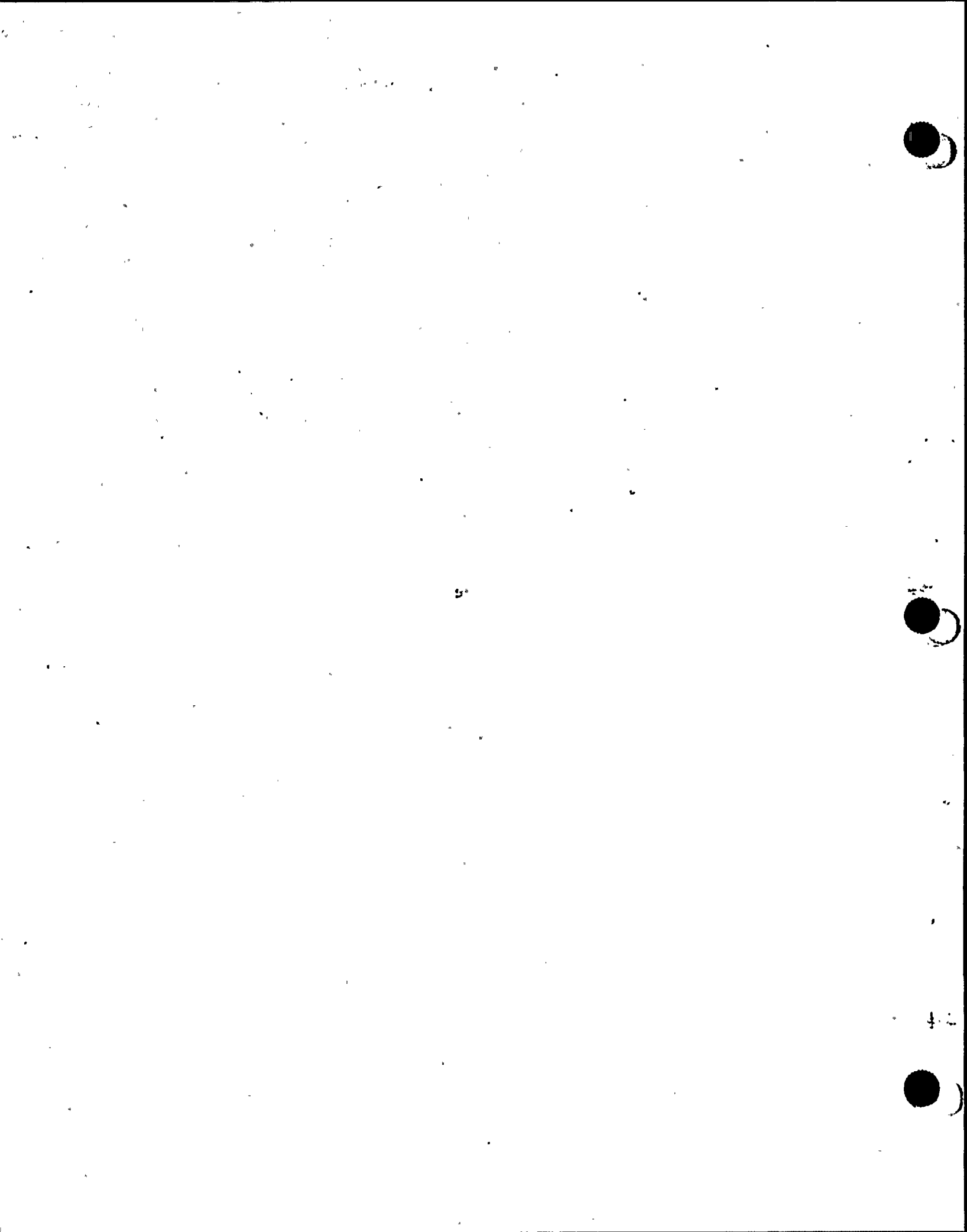
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 1-14-88 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 2-12 1988

Commission Pennsylvania 2392
National Board, State, Province and No.

Charles Yilling



FORM N-3 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 U3834 Nat'l. Code No. N/A

(a) Constructed According to Drawing No. 07252 Drawing Prepared by Anchor/Darling Valve Company
 (b) Description of Part Inspected Disc, Her. No. E8806 SA216-WCB
 (c) Applicable ASME Code Section III, Edition 1971, Addenda date Int '72, Case No. N/A, Class 2

3. Remarks 18"-300#-Gate
(Brief description of service for which component was designed)
A/DV S.O. P-D405-1
 Note: No Disc Hydro Performed

We certify that the statements made in this report are correct and this vessel part or appurtenance is defined in the Code rules 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 complete Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 2/12/88 Signed Anchor/Darling Valve Co. by R.L. Stannett
(NPT Certificate Holder)
 Certificate of Authorization Expires 4/15/89 Certificate of Authorization No. 1713

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 1-14-88 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 2-12-88
 Commission Pennsylvania 2392
Charles Yilling
National Board, State, Province and No.

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) B0571 THRU B0595

(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

8. 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
(b) Forgings	B5	SA105	CAPE ANN TOOL COMPANY.	BODY
	Y8	SA105	CAPE ANN TOOL COMPANY	BODY
	1764	SA182 Gr. F6a	CYCLOPS CORP.	BACKSEAT BUSHING

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 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			

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 (I) Prof. Eng. State MISS Reg. No. 6064
 Stress analysis report certified by HAROLD T. GREGG (I) Prof. Eng. State PA Reg. No. 9053E

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 [Signature]
(Manufacturer) 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 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

[Signature] (Inspector) Commission NB 7525 PA 2159
(National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

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

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

1. Manufactured and certified by Target Rock Corp., 10608 Broadhollow Rd., E. Farmingdale, NY 11735
(Name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Co., 2007 North Ninth St., Allentown, PA 18104
(Name and address of Purchaser)

3. Location of installation Susquehanna SES; US. Rte. 11; Berwick, PA 18603
(Name and address)

4. Type: 202539-1 / SA-564 630 / 140 KSI / N/A / 1992
(Design no.) (Mater. spec. no./COMPONENT IDENT.) (CRW) (Year built)

5. ASME Code, Section III, Division 1: 1980 / Winter 1980 / 2 / None
(Edition) (Addenda date) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A / N/A / N/A / N/A
(Rev.) (Date)

7. Remarks: Spare parts for completed valve assembly, Model No. 75KK-209
Main Disc

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

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 2169	N/A	(26)	
(2) 2184	N/A	(27)	
(3) 2185	N/A	(28)	
(4) 2203	N/A	(29)	
(5) N/A	N/A	(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure 3300 psig at temp. °F
(when applicable) Ambient

* 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.

No. 92-0259
RECORD PACKAGE
 PAGE 1 OF 33

27105149

FORM NO. 1 (REV. 1-15-64) FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES
ASME Code, Section III

203

Manufactured and certified by Target Rock Corporation located at 1000 Rock Road, Farmingdale, NY 11735

Design specifications certified by L.S. Loomer of Target Rock Corporation, State of RA Reg. no. 19875E

Design report certified by _____ of _____ State of _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. _____ 1948 Expires to 12-12-92

Date 2/27/92 Name Target Rock Corporation Signed E. Bajada
NPT Certificate Holder E. Bajada, Director, Q.A.

CERTIFICATE OF INSPECTION

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

of Boston, Mass. have inspected these items described in this Data Report on 2/27/92 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 data shown above.

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

Date 2/27/92 Signed William C. Ireland N. Y. STATE COMMISSION NO. 2288
(Authorized Inspector) ALSO COMMISSIONED IN PENN., OHIO & CONN.
Commissions (Not to be used, except endorsements) and state or prov. and no 1

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> 2/11/94 </u> Sheet <u> 9 </u> of <u> 9 </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: See Sheet 6 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 Stamp <u> None </u> Authorization No. <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2 </u>	
5. (a) Applicable Construction Code <u> See Sheet 8 </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> 80 thru W'80 </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

Item (s)	Description of Work
1,2,3,4,5,6,7,8,12,13,14,15,16,17,18,19	REMOVE COMMERCIAL GRADE PLUG AND REPLACE WITH ASME PLUG
9,10,26,27	REMOVE AND REPLACE VALVE DISC
11	GROUND OUT AND WELD OF BODY TO BONNET SEAL AFTER VALVE MAINTENANCE
20,21	REMOVE AND REPLACE SWAY STRUT
22,23	REMOVE AND REPLACE LEAK-OFF PLUG
24,25	REMOVE AND REPLACE SNUBBER REAR BRACKET
28,29	REMOVE AND REPLACE BONNET STUD
30	MACHINE MOUNT OF SEAT ON GATE VALVE FOR PROPER DISC FITUP
31	SEAL WELD AND GRIND HEAD OF LEAKOFF PLUG TO ALLEVIATE INTERFERENCE PROBLEM
32	REMOVAL OF DEFECT BY GRINDING ON GATE VALVE
35,36	REMOVE AND REPLACE GLOBE VALVE
37	GRIND OUT AND WELD BRACKET TO HANGER
38	GRIND OFF HEAD OF LEAK-OFF PLUG AND PT WELD

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> 2/11/94 </u> Sheet <u> 8 </u> of <u> 9 </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: See Sheet 6 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 Stamp <u> None </u> Authorization No. <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2 </u>	
5. (a) Applicable Construction Code <u> See Sheet 8 </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> 80 thru W'80 </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

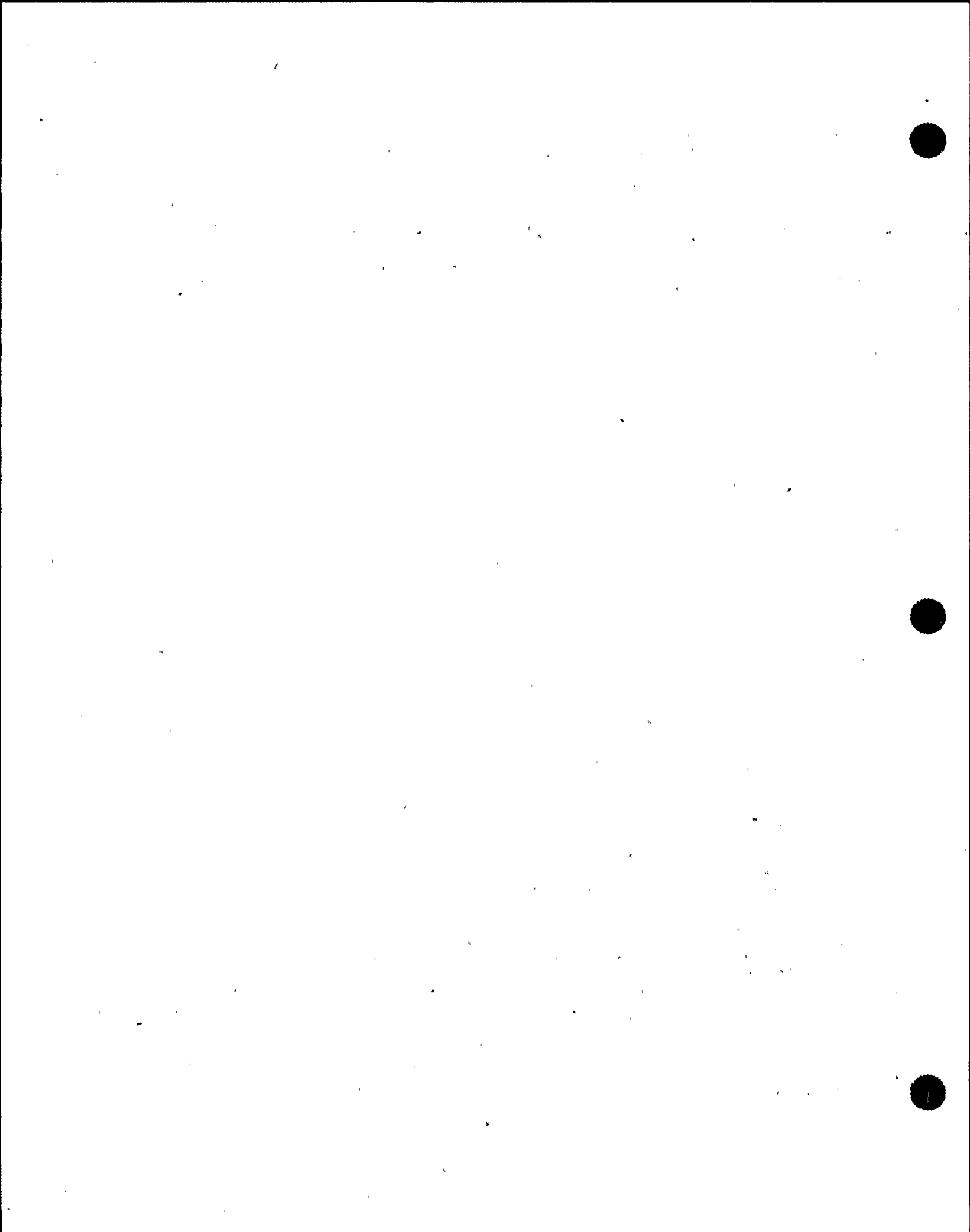
Item (s)	Applicable Construction Code
1,3,5,7,16,18,22,26,28,30,31,32,33,38	ASME SECTION III; CLASS 2; 1971 EDITION; W72 ADDENDA, CODE CASES 1516-1,1534
12,14,20,21,24,25,27,37	ASME SECTION III; CLASS 2; 1971 EDITION; W72 ADDENDA
2,4,8,15,17,19	ASME SECTION III; CLASS 1; 1986 EDITION; 1988 ADDENDA
6,13,23,34	ASME SECTION III; CLASS 1; 1989 EDITION; 1989 ADDENDA
9,10,11	ASME SECTION III; CLASS 2; 1980 EDITION; W80 ADDENDA
29	ASME SECTION III; CLASS 2; 1974 EDITION; S76 ADDENDA
35	ASME SECTION III; CLASS 2; 1974 EDITION; W74 ADDENDA
36	ASME SECTION III; CLASS 1; 1974 EDITION; W74 ADDENDA

Item (s)	Descriptions of Tests
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,29,21,22,23,24,25,33,34,35,36,37,38	No ASME testing required
26,27,28,29,30,31,32	VT-2 DURING SE-149-301-1, 275PSIG, 77°F VT-93-295

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 2/11/94
Name
- Two North Ninth St., Allentown, PA 18101 Sheet 6 of 9
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
- 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 Stamp None
Name
- Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
- Expiration Date N/A
4. Identification of System RHR SYSTEM -POOL SPRAY, PUMPS, AND AUXILIARY 149A CLASS 2
5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80
6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1,2	S13957	C91-149-207
3,4	S14501	C91-149-247
5,6	S14871	C91-149-250
7,8	S15339	C92-149-003
9,10	S15196	C92-149-012
11	S15197	C92-149-013
12,13	S24371	C92-149-173
14,15	S33042	C93-149-011
16,17,38	S23675	C93-149-016
18,19	S24540	C93-149-061
20,21	S34481	C93-149-108
22,23	S34588	C93-149-113
24,25,37	S34620	C93-149-118



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

1. Owner Perinsylvania Power & Light Co.
Name

Date 2/11/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: Work Authorization # S34840

PO Box 467, Berwick, PA 18603
Address

Code Repair Form # C93-149-169

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

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR SYSTEM - STEAM CONDENSING MODE 149B CLASS 2

5. (a) Applicable Construction Code See Sheet 2 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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" 1500# C.S GLOBE VALVE	YARWAY	S/N 6349	N/A	151F124B	1976	REPLACED	YES
2)1" 1500# C.S GLOBE VALVE	YARWAY	S/N A8535	N/A	151F124B	1979	REPLACEMENT	YES

7. Description of Work REPLACE GLOBE VALVE DUE TO SEAT LEAKAGE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
 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 SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16, 19 94
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 11/20/93 to 11/30/93, 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 March 17 19 94

**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 2/11/94
 Sheet 2 of 2

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

Unit 1: See Sheet 1 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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System RHR SYSTEM - STEAM CONDENSING MODE 149B CLASS 2

5. (a) Applicable Construction Code See Sheet 2 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)

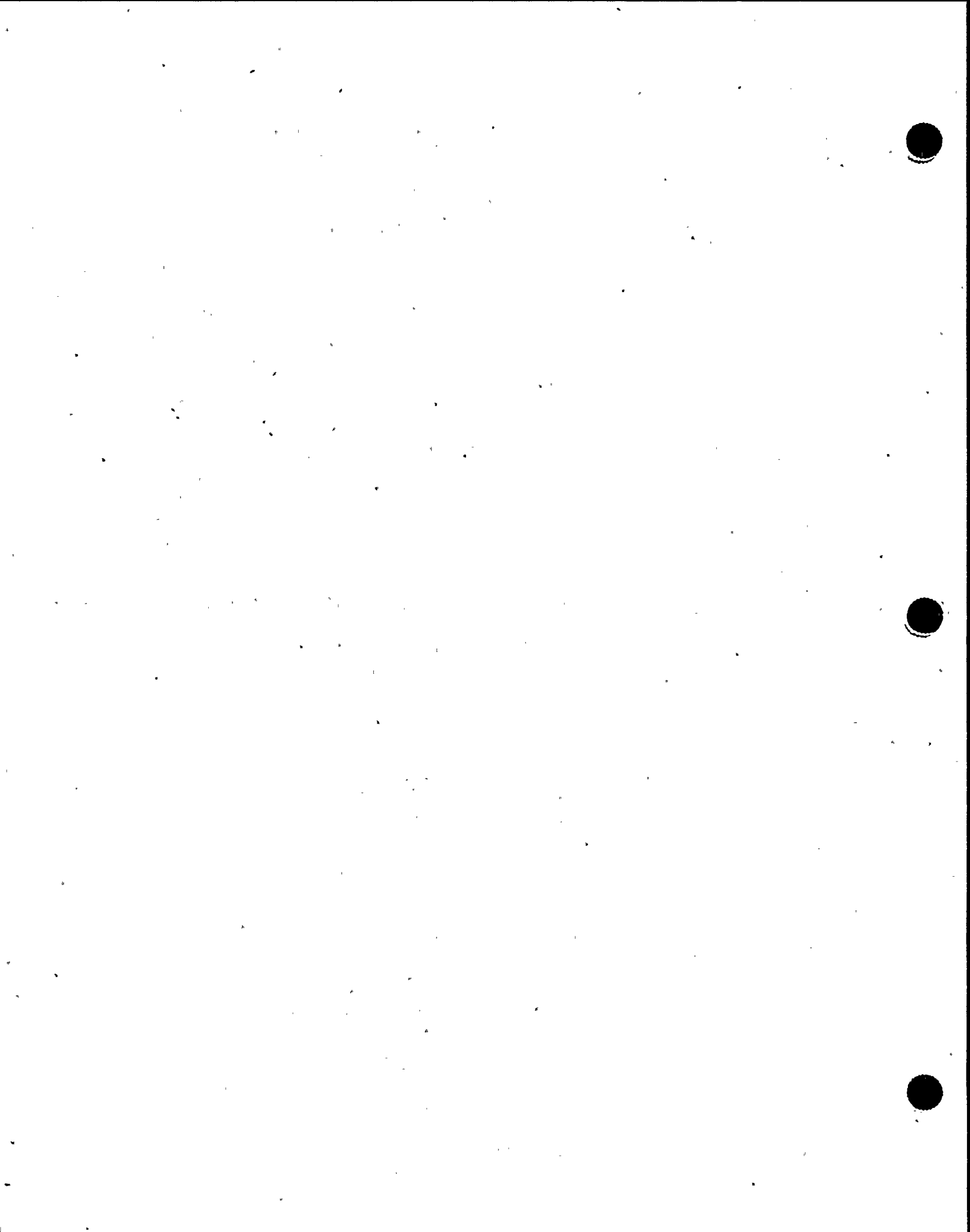
Applicable Construction Code

1

ASME SECTION III; CLASS 2; 1974 EDITION; W74 ADDENDA

2

ASME SECTION III; CLASS 1; 1974 EDITION; W74 ADDENDA



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

As Required by the Provisions of the ASME Code Rules

P. O. # 40461

17

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA. 19422 Order No. 41191
(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) A8519 THRU A8543
(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 of Pressure Class 1500 psi (1)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III Class 1

Issue 1974 Addenda Date WINTER 1974 Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	08	AMS 5385	INOVA/HOWMET CORP.	DTSC
(b) Forgings	Y8	SA105	CAPE ANN TOOL CO.	BODY
	1685	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, 3 and 5 of this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

Mark No.	Material Spec. No.	Manufacturer	Remarks
Bolting	NONE		
(d) Other Parts	NONE		

3. 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. HARFEMAS (I) Prof. Eng. State MTSS Reg. No. 6064
 Stress analysis report certified by HAROLD T. GEEGG (I) Prof. Eng. State PA Reg. No. 9055E
 (I) Signature not required. List name only.

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

Date 8/2/79 19 79 Signed YARWAY CORPORATION By K. A. VOYGER
(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 MUTUAL INSURANCE CO. OF PHILADELPHIA PA have inspected the equipment described in this Data Report on 8/2 19 79 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 8/2 19 79

Michael S. Heston
(Inspector) Commission NR 6344
(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.
Name

Date 2/11/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: Work Authorization # P25056

PO Box 467, Berwick, PA 18603
Address

Code Repair Form # C93-149-064

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

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR SYSTEM - STEAM CONDENSING MODE 149B CLASS 3

5. (a) Applicable Construction Code Section III 19 89 Edition, NO Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 2X2X1/4" ANGLE	BECHTEL	N/A	N/A	SP-HBD-5031-H2004	1982	REPLACED	NO
2) 2X2X1/4" ANGLE	ROANOKE	HT. CODE J4111	N/A	SP-HBD-5031-H2004	1989	REPLACEMENT	NO

7. Description of Work REMOVE AND REPLACE ANGLES ON SMALL PIPE SUPPORT

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
 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 3/16 19 94
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 7/21/93 to 9/11/93, 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 National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit 1: WORK AUTHORIZATION S34624
Name
 PO Box 467, Berwick, PA 18603 CODE REPAIR FORM C93-149-125
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RHR SYSTEM - SHUTDOWN COOLING MODE; 149G CLASS 1

5. (a) Applicable Construction Code SECTION III 19 83 Edition, S'83 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) STEM/DISC	ANCHOR DARLING	VALVE S/N E-3265-28-12	N/A	VALVE 1-51-102	1989	REPLACED	YES
2) STEM/DISC	ANCHOR DARLING	HEAT NO. 1723	N/A	VALVE 1-51-102	1989	REPLACEMENT	YES

7. Description of Work REMOVE AND REPLACE STEM/DISC IN OB VENT VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT2 DURING SE-100-002
 Other Pressure 1020 psi Test Temp. 163 °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 SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16 19 94
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 10/13/93 to 11/12/93, 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 March 17 19 94

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

(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 N/A Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. B64601 Drawing Prepared by Anchor/Darling Valve Company

(b) Description of Part Inspected (2 Pcs:) Disc, Heat No. 1723 AMS-5387A

(c) Applicable ASME Code: Section III, Edition 1983, Addenda date Sum '83, Case No. N/A, Class 1

3. Remarks: 1"-1878#-Globe
(Brief description of service for which component was designed)
A/DV S.O. P-F573-1

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 89 Signed Anchor/Darling Valve Co. By R L Stannett
(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

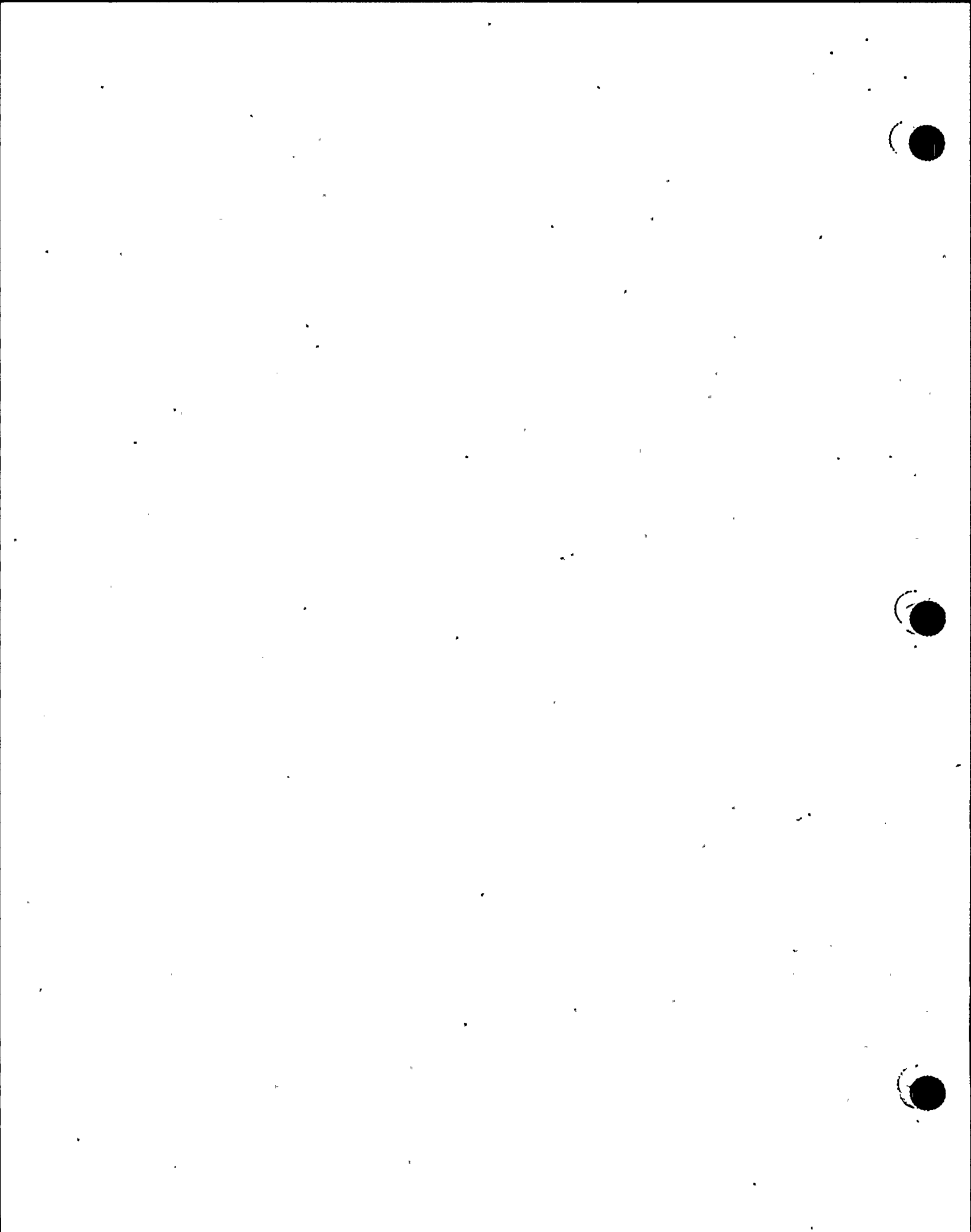
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 7-19-89 thru 10-25-89 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 10-25 19 89

Charles Yalving Commissions Pennsylvania 2392
National Board, State, Province and No.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 4 1/4" 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 2, "Remarks".



FORM NIS-2 (Back)

9. Remarks SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16, 19 94
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 10/18/93 to 11/5/93, 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 PA WK 24619 AN11
Inspector's Signature. FACTORY MUTUAL ENG ASSOC. National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name

 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 3 For Work Documents
Name

 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 Stamp None
Name

 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address

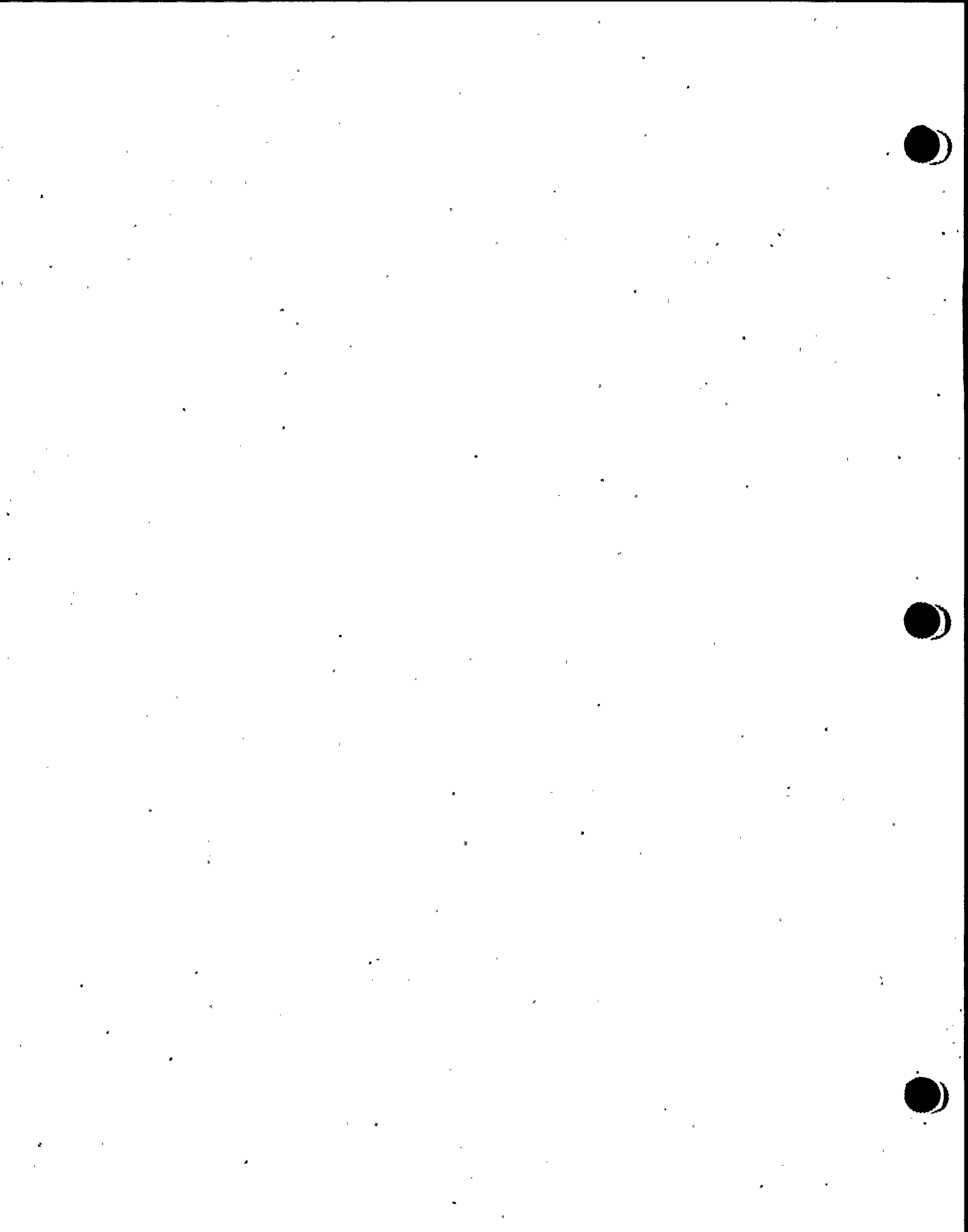
Expiration Date N/A

4. Identification of System RHR SYSTEM - SHUTDOWN COOLING MODE 149G CLASS 2

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1	ASME SECTION III; 1974 EDITION; W'74 ADDENDA CODE CASES 1555, 1574, N-242
2,6	ASME SECTION III; CLASS 2; 1986 EDITION; NO ADDENDA
3	ASME SECTION III; 1971 EDITION; W'72 ADDENDA, CODE CASES 1516-1, 1534
4	ASME SECTION III; CLASS1; 1986 EDITION; 1988 ADDENDA
5	ASME SECTION III; 1971 EDITION; W'72 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 2/11/94

Sheet 5 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 Stamp None

Authorization No. N/A

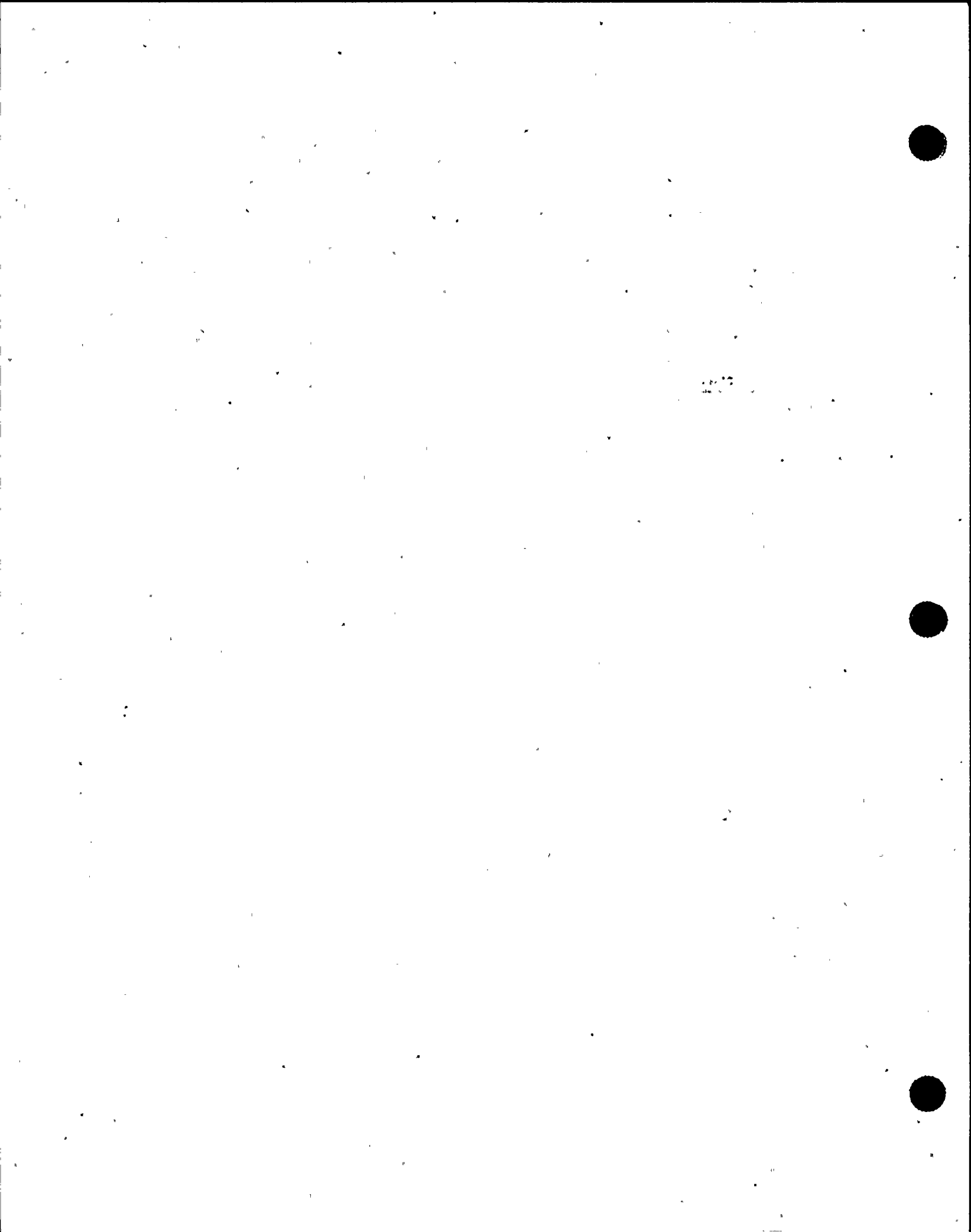
Expiration Date N/A

4. Identification of System RHR SYSTEM - SHUTDOWN COOLING MODE 149G CLASS 2

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2	REPLACE RELIEF VALVE TO IMPROVE LEAK TIGHTNESS
3,4	REMOVE AND REPLACE 1/2" LEAK-OFF PLUG
5,6	REMOVE AND REPLACE 1" PIPING
Item (s)	Description of Tests
1,2,3,4,5,6	NO ASME TESTING REQUIRED



FORM NV-1 CERTIFICATE HOLDERS: DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of 2

1. Manufactured and certified by ANDERSON, GREENWOOD & CO. 3950 GREENBRIAR, STAFFORD, TX 77497
(Name and address of NV Certificate Holder)

2. Manufactured for PENNSYLVANIA POWER & LIGHT CO., TWO NORTH 9th STREET., ALLENTOWN, PA 1810
(Name and address of Purchaser)

3. Location of installation SUSQUEHANNA POWER STATION, 5 MI NE OF BERWICK ON US RT 11, BERWICK, PA 181
(Name and address)

4. Valve 81PFS808A08ALG-N2 Orifice size 3/4" Nom. inlet size 1" Outlet size 1"
(model no., series no.) (in.) (in.) (in.)

5. ASME Code, Section III, Division 1: 1986 NONE 2 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Type SPRING 165 FIXED 70DEG.F 425 AMBIENT
(spring, pilot or power operated) (test pressure, psig) (blowdown, psi) (rated temp.) (hydro. test, psig, inlet) (at)

7. Identification N200004 N/A N06-1701 R/B 2214 1992
(Cert. Holder's serial no.) (CRN) (drawing no.) (Mat'l. Bd. no.) (year built)

8. Control ring settings N/A CBOM N06-1701-001 R/D

9. Pressure retaining items:

	Serial No. or Identification	Mat'l. Spec., Including Type or Grade	Tensile Strength
Body	<u>46</u>	<u>SA351-CF8M</u>	<u>70</u>
Bonnet or Yoke	<u>FLG INL 887SNE</u>	<u>SA182-F316</u>	<u>75</u>
Support Rods	<u>FLG OUT 221TNE</u>	<u>SA182-F316</u>	<u>75</u>
Nozzle	<u>SLEEVE 6027</u>	<u>SA479-316</u>	<u>75</u>
Disk	<u>COLLAR 6151</u>	<u>SA479-316</u>	<u>75</u>
Spring Washers	<u>GUIDE 6120</u>	<u>SA479-316</u>	<u>75</u>
Adjusting Screws	<u>N/A</u>	<u>SA479-316</u>	<u>75</u>
Spindle	<u>33289</u>	<u>SA479-316</u>	<u>75</u>
Spring	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Bolting	<u>05-1007-197</u>	<u>SA193-B8M</u>	<u>75</u>
Other Items	<u>NIPPLE WCT</u>	<u>SA312-316</u>	<u>75</u>

10. Relieving capacity 72 GPM @ 10% overpressure as certified by the National Board 1/22/91
(steam or fluid, lb/hr) (psi) (date)

11. Remarks:

CERTIFICATION OF DESIGN

Design Specification certified by DONALD M. PAPA P.E. State TEXAS Reg. no. 35992
Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

NV Certificate of Authorization No. N-2825 Expires 9-10-93

Date 4-26-93 Name ANDERSON, GREENWOOD & CO. Signed Joseph A. Parks
(NV Certificate Holder) (authorized representative)

*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.

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 TEXAS and employed by C.U.I.C.

of BOSTON, MA have inspected the valve described in this Data Report on 4-26-93 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this 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 4-26-93 Signed [Signature] Commissions NB7592 NA TEX 803
(Not N.B. Sect. endorsements) and state or prov. and no.)
(Authorized Inspector)

FORM NIS-2 (Back)

9. Remarks SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16, 19 94
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 3/5/92 to 9/16/93, 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 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94



100-100000-100000

100-100000-100000

100-100000-100000

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 3 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RCIC TURBINE AND AUXILIARY (STEAM LOOP AND FLOW CONTROL) 150B CLASS 2

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,3,5	ASME SECTION III; CLASS 2; 1974 EDITION; W74 ADDENDA
2,4,6,7,8,9	ASME SECTION III; CLASS 1; 1974 EDITION; W74 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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 3 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System RCIC TURBINE AND AUXILIARY (STEAM LOOP AND FLOW CONTROL) 150B CLASS 2
5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80
6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2,3,4	REMOVE AND REPLACE DISC/STEM ASSEMBLY
5,6	REMOVE AND REPLACE BACKSEAT BUSHING
7	RESUBMIT NIS-2 FOR ACCEPTANCE PER NUCLEAR CLASS CHANGE
8,9	RESUBMIT NIS-2 FOR ACCEPTANCE PER ASME TESTING REQUIREMENT CHANGE
Item (s)	Description of Tests
1 THROUGH 6	NO ASME TESTING REQUIRED
7,8,9	VT-92-633; SE 159-089; 67PSIG; N/A FOR TEMP

Page 1

46.50%

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, 1974 Edition, Part 1012.2111

Register 15599

Shop Order 8360

1. 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 90-1-2Li-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: 90-1-2Li

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 Reg. No. 19370E
Richard O. Schlueter PA Reg. No. 26382E
Sidney Arthur Copland PA Reg. No. 19877E

Stress analysis report certified by George Loos 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 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. Bastis Inspector's Signature Commission PA 2313 (ANI)
National Board, State, Province, and

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



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.)

On 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.

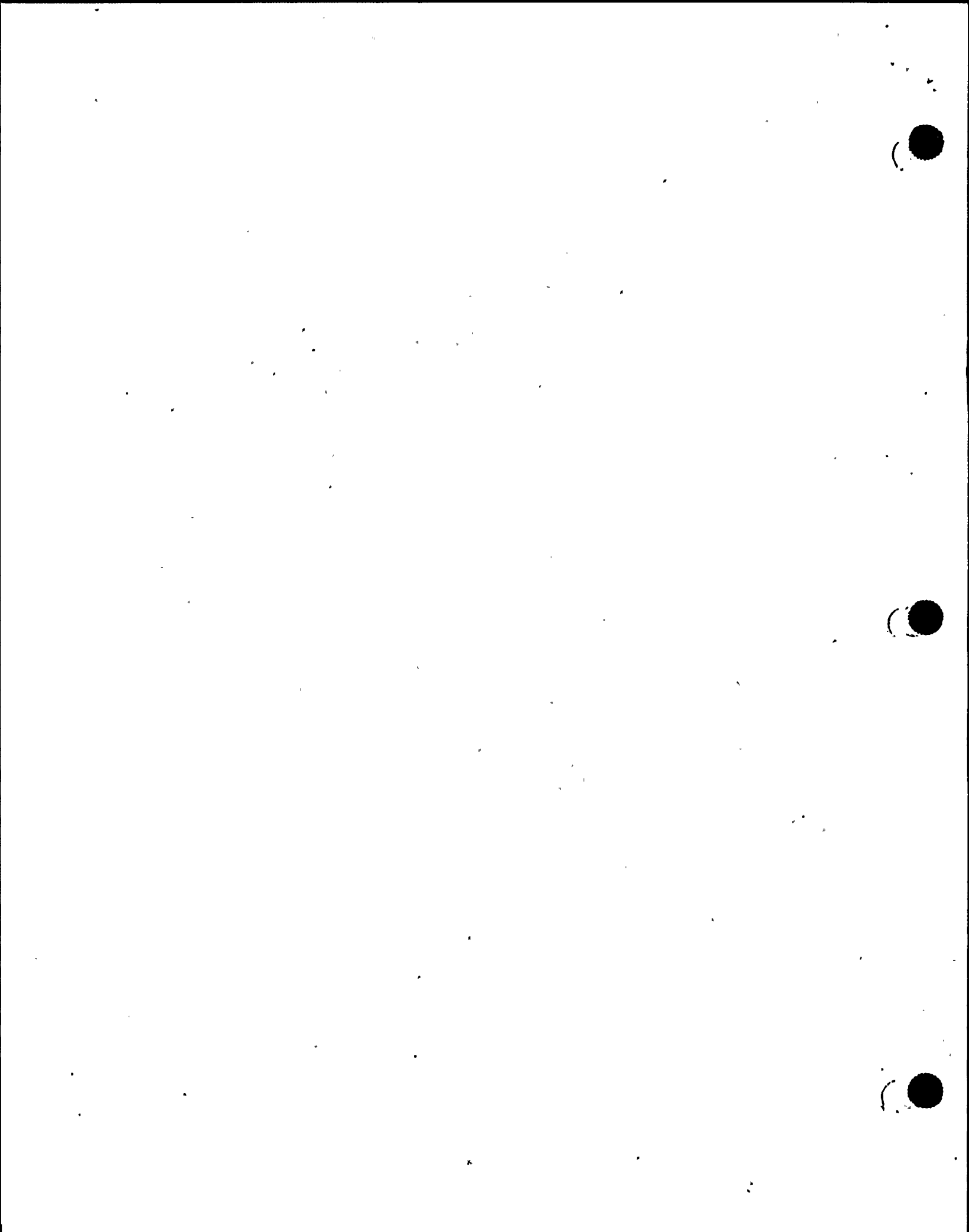
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss 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".



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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit 1: WORK AUTHORIZATION S24498
Name
PO Box 467, Berwick, PA 18603 CODE REPAIR FORM C93-151-091
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CORE SPRAY SYSTEM 151A CLASS I

5. (a) Applicable Construction Code Section III 19 86 Edition, 1988 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 1/2" THREADED PIPE PLUG	ANCHOR DARLING	VALVE S/N E-5855-22-1	N/A	152F007B	1976	REPLACED	NO
2) 1/2" THREADED PIPE PLUG	COLONIAL MACHINE	HT. CODE CGJ	N/A	152F007B	1989	REPLACEMENT	NO

7. Description of Work REMOVE AND REPLACE THREADED PLUG ON 12" GATE VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
 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 3/16 19 94
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 8/9/93 to 12/2/93, 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

FACTORY MUTUAL ENG ASSOC.

Commissions NB 7866 PA WC 24619 AN11
National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 3
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 2 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
 Expiration Date N/A

4. Identification of System CORE SPRAY SYSTEM 151A CLASS 2

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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	VALVE S/N 0022-6	N/A	152F002A	1976	REPLACED	NO
2) 1/2" LEAK OFF PLUG	COLONIAL	HT. CODE AEM	N/A	152F002A	1989	REPLACEMENT	NO
3) 1/2" LEAK OFF PLUG	PACIFIC	VALVE S/N 0024-6	N/A	152F002B	1976	REPLACED	NO
4) 1/2" LEAK OFF PLUG	COLONIAL	HT. CODE AEM	N/A	152F002B	1989	REPLACEMENT	NO

7. Description of Work REPLACED COMMERCIAL LEAK-OFF PLUG WITH ASME PLUG

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure No ASME Testing Required
 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 3/16, 19 94
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 of 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 4/5/93 to 8/12/93, 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 NB7866 PAWC24619 AN11
National Board, State, Province, and Endorsements
Date March 17 19 94



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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 3
Address

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

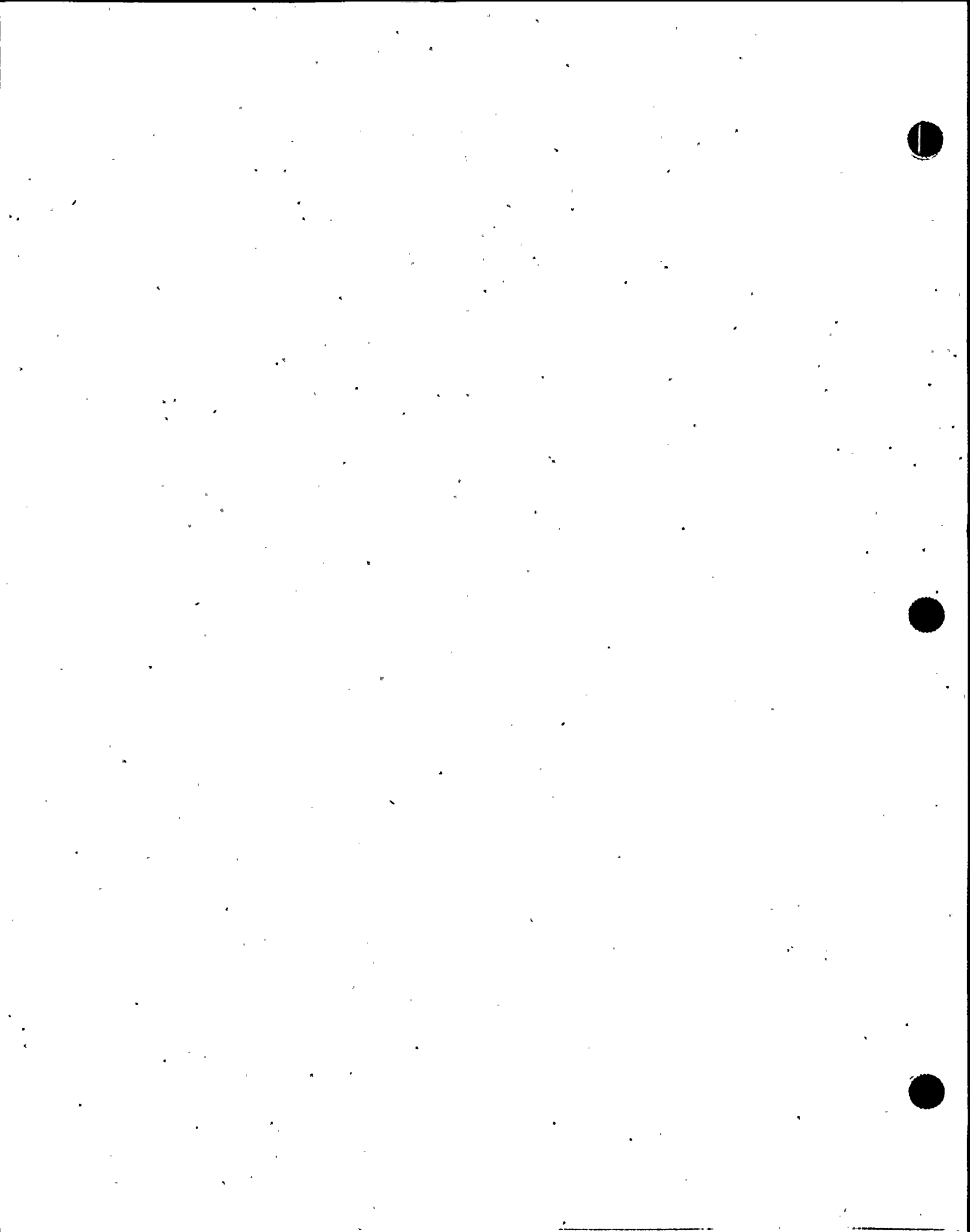
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CORE SPRAY SYSTEM 151A CLASS 2

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,3	ASME SECTION III; CLASS 2; 1971 EDITION; W'72 ADDENDA
2,4	ASME SECTION III; CLASS 1; 1986 EDITION; 1988 ADDENDA



FORM NIS-2 (Back)

9. Remarks SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16 19 94
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 7/2/92 to 11/11/93, 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 FACTORY MUTUAL ENG ASSOC. NB7866 PA W23619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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

<p>1. Owner <u> Pennsylvania Power & Light Co. </u> <small>Name</small></p> <p><u> Two North Ninth St., Allentown, PA 18101 </u> <small>Address</small></p> <p>2. Plant <u> Susquehanna Steam Electric Station </u> <small>Name</small></p> <p><u> PO Box 467, Berwick, PA 18603 </u> <small>Address</small></p> <p>3. Work Performed by <u> Pennsylvania Power & Light Co. </u> <small>Name</small></p> <p><u> Two North Ninth St., Allentown, PA 18101 </u> <small>Address</small></p> <p>4. Identification of System <u> HPCI TURBINE AND AUXILIARY 152B CLASS 2 </u></p> <p>5. (a) Applicable Construction Code <u> See Sheet 5 </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> 80 thru W'80 </u></p> <p>6. Identification of Components Repaired or Replaced and Replacement Components</p>	<p>Date <u> 2/11/94 </u></p> <p>Sheet <u> 2 </u> of <u> 7 </u></p> <p>Unit <u> 1: See Sheet 4 For Work Documents </u></p> <p><small>Repair Organization P.O. No., Job No., etc.</small></p> <p>Type Code Symbol Stamp <u> None </u></p> <p>Authorization No. <u> N/A </u></p> <p>Expiration Date <u> N/A </u></p>
--	---

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6) LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	HV155F001	1989	REPLACEMENT	NO
7) LEAK-OFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	HV155F001	1989	REPAIRED	NO
8) 10" GATE VALVE DISC	ANCHOR DARLING	S/N E5853-11-1	N/A	HV 155F001	1975	REPAIRED	YES
9) BACKSEAT BUSHING	YARWAY	VALVE S/N 6520	N/A	1-56-007	1976	REPLACED	YES
10) BACKSEAT BUSHING	YARWAY	S/N 5293-B11	N/A	1-56-007	1991	REPLACEMENT	YES
11) STEM DISC ASSEMBLY	YARWAY	VALVE S/N 6520	N/A	1-56-007	1976	REPLACED	YES
12) STEM DISC ASSEMBLY	YARWAY	S/N 90-1-2C1-B6	N/A	1-56-007	1991	REPLACEMENT	YES
13) DISC	ANCHOR DARLING	S/N E5853-11-1	N/A	HV 155F001	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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 7
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 4 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System HPCI TURBINE AND AUXILIARY 152B CLASS 2

5. (a) Applicable Construction Code See Sheet 5 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

14) DISC	ANCHOR DARLING	HT. CODE 4353	N/A	HV155F001	1975	REPLACEMENT	YES
15) PLUG AND STEM	MASONIELAN	VALVE S/N N00154-6-1	N/A	HV 155F029	1976	REPLACED	YES
16) PLUG AND STEM	MASONIELAN	S/N 1810-6- 1013-9	N/A	HV 155F029	1989	REPLACEMENT	YES
17) STEM/DISC ASSEMBLY	YARWAY	S/N D15-J5	N/A	155F055	1989	REPLACED	YES
18) STEM/DISC ASSEMBLY	YARWAY	S/N 90-1-2LI- A19	N/A	155F055	1991	REPLACEMENT	YES
19) STEM/DISC ASSEMBLY	YARWAY	VALVE S/N 5289	N/A	155F056	1976	REPLACED	YES
20) STEM/DISC ASSEMBLY	YARWAY	S/N 90-1-2LI- A10	N/A	155F056	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 2/11/94

Sheet 4 of 7

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

Unit 1: See Sheet 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System HPCI TURBINE AND AUXILIARY 152B CLASS 2

5. (a) Applicable Construction Code See Sheet 5 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1,2,3,4	S14805	C92-152-145
5,6,7	S24829	C92-152-265
8	S24866	C93-152-006
9,10,11,12	S23931	C93-152-007
13,14	S33842	C93-152-056
15,16	S33935	C93-152-090
17,18	S33974	C93-152-149
19,20	S33957	C93-152-150

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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 5 of 7
Address

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

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System HPCI TURBINE AND AUXILIARY 152B CLASS 2

5. (a) Applicable Construction Code See Sheet 5 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,2,3,4,17,19	ASME SECTION III; CLASS 2; 1974 EDITION; W74 ADDENDA
5	ASME SECTION III; CLASS 1; 1986 EDITION; NO ADDENDA
6,7	ASME SECTION III; CLASS 1; 1986 EDITION; 1988 ADDENDA
8	ASME SECTION III; CLASS 2; 1971 EDITION; W72 ADDENDA
9,11	ASME SECTION III; CLASS 2; 1974 EDITION; 1974 ADDENDA
10,12	ASME SECTION III; CLASS 1; 1974 EDITION; 1974 ADDENDA
13,14	ASME SECTION III; CLASS 2; 1971 EDITION; 1972 ADDENDA, CODE CASES 1516-1, 1534
15,16	ASME SECTION III; CLASS 2; 1971 EDITION; W72 ADDENDA
18,20	ASME SECTION III; CLASS 1; 1974 EDITION; W74 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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 6 of 7
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 4 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A

4. Identification of System HPCI TURBINE AND AUXILIARY 152B CLASS 2

5. (a) Applicable Construction Code See Sheet 5 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2	REPLACE SPRING HOUSING OF 2" 1500# GLOBE VALVE WITH ASME SPRING HOUSING
3,4	REPLACE SIX HEX HEAD BOLTS WITH ASME BOLTS
5,6	REMOVE AND REPLACE LEAK-OFF PLUG TO STOP LEAKAGE
7	SEAL WELD LEAK-OFF PLUG TO 10" GATE VALVE
8	MACHINE DISC GUIDE RIB AREA ON 10" GATE VALVE DISC TO IMPROVE FIT
9,10	REPLACE BACKSEAT BUSHING IN 1" TURBINE EXHAUST VALVE
11,12,17,18,19,20	REPLACE STEM/DISC ASSEMBLY
13,14	REPLACE GATE VALVE DISC TO STOP LEAKING
15,16	REPLACE PLUG AND STEM IN STEAM LINE DRAIN VALVE

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 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 7 of 7

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: See Sheet 4 For Work Documents

 PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System HPCI TURBINE AND AUXILIARY 152B CLASS 2

5. (a) Applicable Construction Code See Sheet 5 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Tests
1,2,3,4	VT2 DURING SE-152-301; 1300PSIG; 112°F; VT-92-1021
5,6,7,9,10,11,12,15,16,17,18,19, 20	NO ASME TESTING REQUIRED
8	VT2 DURING SE-152-301; 960PSIG; 505°F; VT-93-032
13,14	VT2-DURING SE-152-301; 980PSIG; 455°F; VT-93-108

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

1. Manufactured and certified by Target Rock Corp.; 1966E Broadhollow Rd; E. Farmingdale, NY
(Name and address of NPT Certificate Holder)
2. Manufactured for Pennsylvania Power & Light Co.; 2 North 9th St.; Allentown, PA 181
(Name and address of Purchaser)
3. Location of installation Susquehanna SES; US Rte 11; Berwick, PA 18603
(Name and address)
4. Type: 102421-1 SA-479 316L 70 KSI N/A 1992
(drawing no.) (mat'l. spec. no.) (nominal strength) (CRNA) (year bul)
5. ASME Code, Section III, Division 1: 1974 Winter 1974 2 None
(edition) (edition date) (class) (Code C)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(mat'l.)
7. Remarks: Spare part for completed valve assembly, Model NO. 75KK-404
Flange for Spring Housing Assembly, P/N 202010-1

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) _____
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>1</u>	<u>N/A</u>
(2) <u>N/A</u>	<u>N/A</u>
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical C
(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)	

Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A
(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 recorded on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

No. 92-0492
RECORD PACKAGE

Certificate Holder's Serial No. _____ through _____

CERTIFICATION OF DESIGN

Design specifications certified by L. S. Loomer P.E. State PA Reg. no. _____
(when applicable)

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. 1948 Expires 12-12-92

Date 4-14-92 Name Target Rock Corporation Signed E. Champey
(NPT Certificate Holder) (Authorized representative)
E. Champey, Director, Q.A.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of New York and employed by Commercial Union Insurance Company of Boston, Mass. have inspected these items described in this Data Report on 4/14/92, and state

best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, 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 in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property loss of any kind arising from or connected with this inspection.

Date 4/14/92 Signed William A. Rebold Commissioned **N. Y. STATE COMMISSION N**
(Authorized Inspector) (Not'l. Bd. Incl. endorsements) and state or
ALSO COMMISSIONED IN PENN., OHI

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 20043

(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.)

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. Bennett Inspector's Signature Commissions PA 2056 U15813
National Board, State, Province 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

*Revised 5-8-92

1. Manufactured and certified by Target Rock Corp.; 1966E Broadhollow Rd; E. Farmingdale, NY 11735
2. Manufactured for Pennsylvania Power & Light Co.; 2 North 9th St.; Allentown, PA 18101
3. Location of Installation Susquehanna SES; US Rte 11; Berwick, PA 18603
4. Type: 001-0167 SA 193 B/ 8 75 ksi N/A 1992
6. ASME Code, Section III, Division 1: 1974 Winter 1974 2 None
7. Remarks: Spare part for completed valve assembly Model No. 75KK-404 Hex Head Bolt, QTY 6, Heat No. 37894

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 4 columns: Part or Appurtenance Serial Number, National Board No. In Numerical Order, Part or Appurtenance Serial Number, National Board No. In Numerical Order. Rows 1-25.

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A at temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form. (12/88) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

E. Clumpey Director, Quality Assurance Date 5/11/92 W.D. Roland, ANI Date 5/11/92

FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. N/A through _____

CERTIFICATION OF DESIGN

Design specifications certified by L. S. Loomer P.E. State PA Reg. no. 19675E
(when applicable)

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. 1948 Expires 12-12-92

Date: 4/30/92 Name Target Rock Corporation Signed E. Champey for
(NPT Certificate Holder) (authorized representative)
E. Champey; Director, Q.A.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Commercial Union Insurance Company of Boston, Mass. have inspected these items described in this Data Report on _____, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 4-30-92 Signed Donald [Signature] Commissions NYS 2360
(Authorized Inspector) (Net'l. Bd. Incl. endorsements) and state or prov. and no.]

Register 15601

As required by the provisions of the ASME Code Section III, Part UG-100, the NPT Certificate Holder shall be responsible for the design, construction, and inspection of the component.

- 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 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 10/4 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. Schriedel PA Reg. No. 19370E
Richard O. Schlueter PA Reg. No. 26382E
Sidney Arthur Copland PA Reg. No. 19877E

Stress analysis report certified by George Loos 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 NPT 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 the inspection.

Date 10/4 1991 *Factory Mutual System

J. W. Bostick Commission PA 2343 ANE
Inspector's Signature National Board, State, Province and No.

THIS SIDE NOT APPLICABLE

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

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

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

7. 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 photos)

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

Design pressure _____ 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 _____ in. Number _____ Type _____
(See 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 pressure _____ 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 _____
Threads: No. _____ Size _____ Location _____

18. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

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

FEDERAL MANUFACTURERS' DATA REPORT FOR NUCLEAR PRESSURE VALVE

As Required by the Provision of the ASME Code Rules

1. Manufactured by Anchor/Darling Valve Company Order No. E585
701 First St., Williamsport, Pa. 17701
(Name & Address of Manufacturer)

2. Manufactured for Bechtel Corporation Order No. 2856-
Box 3965, San Francisco, Calif. 94119
(Name and Address)

3. Name Pennsylvania Power & Light Company

4. Location of Plant Salem Township, Luzerne County, Pennsylvania

5. ASME Valve Identification E5853-52-1

10" - 900# Pressure Seal Gate Valve with SMB-1-60 Operator

(Brief description of device for which equipment was designed)

RECORD

(a) Drawing No. 93-13711 Rev. F Prepared by Anchor/Darling Valve Company

(b) National Board No. N/A

A. Design Conditions 1230 psi 585 °F
(Pressure) (Temperature)

The material, design, construction, and workmanship complies with ASME Code Section III, Class 2

Edition 1971 Addenda Date Winter 1972 Case No. 1516-1 and 1534

Part No	Material Spec. No.	Manufacturer	Rev.
(a) <u>Body Ht. 4839-001, S/N 6</u>	<u>SA216-WCB</u>	<u>Ebasco Services</u>	
<u>Disc Ht. 4353, S/N 2</u>	<u>SA216-WCB</u>	<u>Ebasco Services</u>	
(b) <u>Bonnet Ht. 212405, S/N 3</u>	<u>SA-105</u>	<u>Cann & Saul Steel</u>	

Part No.	Material Spec. No.	Manufacturer
(c) <u>Mudring</u>		
(d) <u>Other Parts</u>		
<u>Retaining Ring</u>	<u>SA-106-B</u>	<u>Phoenix Steel</u>
<u>HL. 42975</u>		

RECEIVED COPY

8. Hydrostatic test 3250 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Corp., Box 3965, San Francisco, Calif.
 Stress analysis report on file at N/A (Class 2)
 Design specifications certified by Frederick C. A. Downsett (I) Prof. Eng. State PA.
 Stress analysis report certified by N/A (Class 2) (I) Prof. Eng. State PA.
 (I) Signature not required. List name only.

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

Date 10/9 19 75 Signed Anchor/Darling Valve Co. R. L. Stanner
 (Manufacturer) R. L. Stanner

Certificate of Authorization No. N779 expires 3-4-77

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, State of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the equipment described in the

Report on 2-25 thru 10-9-75 and deem that on the basis of my knowledge and belief, it 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, for 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

Date 10-9 " 75 2567 01243

84115/10013

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: Masonell-Dresser Industries, 65 Bodwell St., Avon, MA 02322
(Name and address of NPT Certificate Holder)
2. Manufactured for: Pennsylvania Power & Light Co., Allentown, PA.
(Name and address of customer)
3. Location of installation: Susquehanna Station, Route 11, Berwick, PA.
(Name and address)
4. Type P9286 Stellite 6B 144,000 NA 1989
(Drawing no.) (MPT spec. no.) (Words strength) (Code) (Year built)
5. ASME Code, Section III: 1971 M. 1972 2 NA
(Edition) (Edition date) (Class) (Code Case no.)
6. Fabricated in accordance with Conct. Spec. (Div. 2 only) NA Revision NA Date NA
(Div.)
7. Remarks: Replacement for Masonell Valve Serial # NA 000154-1
Masonell Part Number 013431-122-1J7
Qty. 9
8. Nom. thickness (in.) NA Min. design thickness (in.) NA Dia. ID (ft & in.) NA Length overall (ft & in.) NA
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number HEAT NUMBERS	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board Number In Numerical Order
(1) 1810-6-1013-3		(26)	
(2) -4 ✓		(27)	
(3) -5 ✓		(28)	
(4) -6 ✓		(29)	
(5) -7 ✓		(30)	
(6) -8 ✓		(31)	
(7) -9 ✓		(32)	
(8) -10 ✓		(33)	
(9) -11 ✓		(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)	

NO. 87-5875
RECORD PACKAGE
PAGE 5 OF 16

10. Design pressure NA psi. Temp. NA °F. Hydro. test pressure NA at temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) also is shown on the Data Report is included on each sheet, (2) each sheet is numbered and the number of sheets is recorded at the top of the form.

900722.1893

CERTIFICATION OF DESIGN

Design specifications certified by Sidney Copeland P.E. State PA Reg. no. 19677-E

Design report* certified by NA P.E. State NA Reg. no. NA

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-1837 Expires 8-19-89

Date _____ Name Masonellian-Dresser Industries Signed _____

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 MA and employed by H.S.B.I. & I. Co.

of Hartford, CT have inspected these items described in this Data Report on JUL 20 1989 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 JUL 20 1989 Signed [Signature] Commissions MA-1222/PA-NC2544

90072221894

NO 89-0845
RECORDS DIVISION
PAGE 11 OF 16

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, 199A, 199A TOB, 1012, 2111

Register 15599

Shop Order 8380

(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. M. 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 Prof. Eng. State PA Reg. No. 19877E
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 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
S. W. Bastis Inspector's Signature Commission PA 2313 (ANT)
National Board, State, Provincial and Territorial Inspectors

RECORD PACKAGE
 PAGE 25 OF 41

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".

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. _____ 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 (Conv. or Conc.) Side to Press. (a) _____ (b) _____

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

7. Jacket Closure: _____ (Describe as 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 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 (Conv. or Conc.) Side to Press. (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: Table with columns: 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 _____ Legs _____ (Yes or No) _____ (Number) _____ Legs _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Where & How)

19. Postweld Heat-Treated: _____ List other internal or external pressure with coincident temperature when applicable.

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 2/11/94
 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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER 154A CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 8" BUTTERFLY VALVE	CONTROMATICS	S/N 85225-12-2	N/A	HV08693A	1979	REPLACED	YES
2) 8" BUTTERFLY VALVE	ANCHOR DARLING	S/N V2011-001	N/A	HV08693A	1993	REPLACEMENT	YES
3) EIGHT 3/4" X 8" STUDS	BECHTEL	N/A	N/A	HV08693A	1982	REPLACED	NO
4) EIGHT 3/4" X 8" STUDS	NOVA	HEAT NO. 0-3479FX	N/A	HV08693A	1992	REPLACEMENT	NO
5) SIXTEEN 3/4" NUTS	BECHTEL	N/A	N/A	HV08693A	1982	REPLACED	NO

7. Description of Work See Last Page

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
 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 SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16, 19 94
Owner or Owner's Designee, Title N.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 4/5/93 to 8/8/93, 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
Date March 17 19 94
Commissions NB7866 PA WK 24619 AN 11
National Board, State, Province, and Endorsements
FACTORY MUTUAL ENG ASSOC.

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 2/11/94

Sheet 4 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER 154A CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,3,5	ASME SECTION III; CLASS 3; 1974 EDITION; W'75 ADDENDA
2	ASME SECTION III; CLASS 3; 1974 EDITION; 1975 ADDENDA
4,6	ASME SECTION III; CLASS 1; 1986 EDITION; NO ADDENDA
7,8	ASME SECTION 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
Two North Ninth St., Allentown, PA 18101
Address

Date 2/11/94
 Sheet 5 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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System EMERGENCY SERVICE WATER 154A CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2,7,8	REPLACE 8" BUTTERFLY VALVE DUE TO LEAKAGE
3,4,5,6	REPLACE STUDS AND NUTS ON BUTTERFLY VALVE
Item (s)	Description of Tests
1,2	VT-2 DURING SE-054-301-1; 114PSIG; 55°F
3,4,5,6	NO ASME TESTING REQUIRED
7,8	VT-2 DURING SE-054-301-2; 120PSIG; 55°F; VT-93-360

8. Remarks 8" 150# Butterfly Valve

9. Design conditions 150 (pressure) psi 160 (temperature) °F or valve pressure class 150# (1)

10. Cold working pressure 290 psi at 100°F

11. Hydrostatic test 425 psi. Disk differential test pressure 310 psi

CERTIFICATION OF DESIGN

Design Specification certified by DALE SATTAR P.E. State PA Reg. no. 019525E
 Design Report certified by EDGAR J. BOLTON P.E. State MA Reg. no. 32600

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-2865 Expires 07-03-95

Date 7-7-93 Name Anchor/Darling Ent., Inc. Signed Lynn M. Richards
 (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 NH and employed by Hartford Steam Boiler of CT have inspected the pump, or valve, described in this Data Report on JULY 7, 1993, 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 7/7/93 Signed [Signature] Commissions NH202, PA WJC 2690 "NBCSEA"
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

Manufactured by Jamesbury Corp., Worcester, Mass. Order No. ND21305
(Name & Address of Manufacturer)

Manufactured for Bechtel Power Corp. Order No. 8856-P16-AC
PO Box 3965 (Name and Address)

San Francisco, CA 94119

3. Owner Pennsylvania Power & Light Company

4. Location of Plant Susquehanna Steam Electric System, Units 1 & 2 PA WC 2229

ADVENTOWN, PENNSYLVANIA PA WC 2229
Salem TWP. Luzerne Co. PA OP 14 Feb 83

5. Pump or Valve Identification 10" Fig. 8226-PX Nuclear Serial # ND21305-04-H

Nuclear Service Wafer-Sphere Valve Tag No. HBC-WBF-A0-1024-B2
(Brief description of service for which equipment was designed)

(a) Drawing No. D-ND21305-04 Prepared by Jamesbury Corp.

(b) National Board No. N/A

6. Design Conditions Seat 165/Body 265 psi 120 °F or Pressure Class _____ (1)
(Pressure) (Temperature)

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

Edition 1974, Addenda Date NONE, Case No. _____

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	ASME-SA		
BKS-4	216-WCB	Lebanon	body
BKI-8	351-CF8M	Lebanon	wafer
(b) Forgings			

1) For manually operated valves only. 2500 0406

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 7 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.

BECHTEL
 439

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts	ASME-SA		
BQG-28	479-T316	Joslyn	pressure plug

8. Hydrostatic test 425 psi.

CERTIFICATION OF DESIGN

Design information on file at Bechtel Power Corp., San Francisco, California
 Stress analysis report on file at not applicable
 Design specifications certified by John R. Schmiedel (I) Prof. Eng. State Penn. Reg. No. 19870E
 Stress analysis report certified by not applicable (I) Prof. Eng. State _____ Reg. No. _____
 (I) Signature not required. List name only.

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

Date January 19, 1977 Signed Jamesbury Corp. By L. Adams
(Manufacturer)

Certificate of Authorization No. N1228 expires October 27, 1978

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 Pa and employed by Jumburgs Mutual Company of Jumburg, Pa have inspected the equipment described in this Data Report on Jan 7-19 1977 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 1-19 19 77

Robert J. Coda Commissions WC 2487
(Inspector) (National Board, State, Province and No.)

BECL
439

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 9
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6&7 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE SYSTEM 155B CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) STEM/DISC ASSEMBLY	DRAGON VALVE	VALVE S/N EM1103	N/A	147F102-1419	1977	REPLACED	NO
2) STEM/DISC ASSEMBLY	DRAGON VALVE	HEAT NO.842109	N/A	147F102-1419	1983	REPLACEMENT	NO
3) 3/4" VENT VALVE	DRAGON VALVE	S/N EM1103	N/A	147F102-1419	1977	REPAIR	YES
4) STEM/DISC ASSEMBLY	DRAGON VALVE	VALVE S/N EM1603	N/A	147F101-0235	1977	REPLACED	NO
5) STEM/DISC ASSEMBLY	DRAGON VALVE	HEAT NO.842109	N/A	147F101-0235	1983	REPLACEMENT	NO

7. Description of Work See Last Page

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
 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 SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 W [Signature] Date 3/16 .19 94
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 1/5/94 to 2/10/94, 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 24619 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 9
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE SYSTEM 155B CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
6) 1" VENT VALVE	DRAGON VALVE	S/N EM1603	N/A	147F101-0235	1977	REPAIR	YES
7) STEM/DISC ASSEMBLY	DRAGON VALVE	VALVE S/N EM1191	N/A	147F102-0235	1977	REPLACED	NO
8) STEM/DISC ASSEMBLY	DRAGON VALVE	HEAT NO.842109	N/A	147F102-0235	1983	REPLACEMENT	NO
9) 3/4" VENT VALVE	DRAGON VALVE	S/N EM1191	N/A	147F102-0235	1977	REPAIR	YES
10) STEM/DISC ASSEMBLY	DRAGON VALVE	VALVE S/N EM1053	N/A	147F101-1027	1977	REPLACED	NO
11) STEM/DISC ASSEMBLY	DRAGON VALVE	HEAT NO.842109	N/A	147F101-1027	1983	REPLACEMENT	NO
12) 1" VENT VALVE	DRAGON VALVE	S/N EM1053	N/A	147F101-1027	1977	REPAIR	YES
13) STEM/DISC ASSEMBLY	DRAGON VALVE	VALVE S/N EM1026	N/A	147F102-1027	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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 9
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 6 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE SYSTEM 155B CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

14) STEM/DISC ASSEMBLY	DRAGON VALVE	HEAT NO.842109	N/A	147F102-1027	1983	REPLACEMENT	NO
15) 3/4" VENT VALVE	DRAGON VALVE	S/N EM1026	N/A	147F102-1027	1977	REPAIR	YES
16) STEM/DISC ASSEMBLY	DRAGON VALVE	VALVE S/N EM1517	N/A	147F101-3839	1977	REPLACED	NO
17) STEM/DISC ASSEMBLY	DRAGON VALVE	HEAT NO.842109	N/A	147F101-3839	1983	REPLACEMENT	NO
18) 1" VENT VALVE	DRAGON VALVE	S/N EM1517	N/A	147F101-3839	1977	REPAIR	YES
19) STEM/DISC ASSEMBLY	DRAGON VALVE	VALVE S/N EM1694	N/A	147F102-5827	1977	REPLACED	NO
20) STEM/DISC ASSEMBLY	DRAGON VALVE	HEAT NO.842109	N/A	147F102-5827	1983	REPLACEMENT	NO
21) 3/4" VENT VALVE	DRAGON VALVE	S/N EM1694	N/A	147F102-5827	1977	REPAIR	YES
22) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	S/N 987	N/A	HCU 14-31	1975	REPLACED	YES
23) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	S/N 2230	N/A	HCU 14-31	1992	REPLACEMENT	YES
24) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	S/N 1077	N/A	HCU 10-31	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.
Name
Two North Ninth St., Allentown, PA 18101
Address

Date 2/11/94
 Sheet 5 of 9

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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE SYSTEM 155B CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

36) STEM/DISC ASSEMBLY	DRAGON VALVE	VALVE S/N EM1114	N/A	147F102-5015	1977	REPLACED	NO
37) STEM/DISC ASSEMBLY	DRAGON VALVE	HEAT NO.842109	N/A	147F102-5015	1983	REPLACEMENT	NO
38) 3/4" VENT VALVE	DRAGON VALVE	S/N EM1114	N/A	147F102-5015	1977	REPAIR	YES
39) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	S/N 1244	N/A	HCU 06-15	1975	REPLACED	YES
40) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	S/N 2243	N/A	HCU 06-15	1992	REPLACEMENT	YES
41) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	S/N 1801	N/A	HCU 26-15	1975	REPLACED	YES
42) NITROGEN ACCUMULATOR	GENERAL ELECTRIC	S/N 2088	N/A	HCU 26-15	1992	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 2/11/94

Sheet 6 of 9

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 Stamp None

Authorization No. N/A

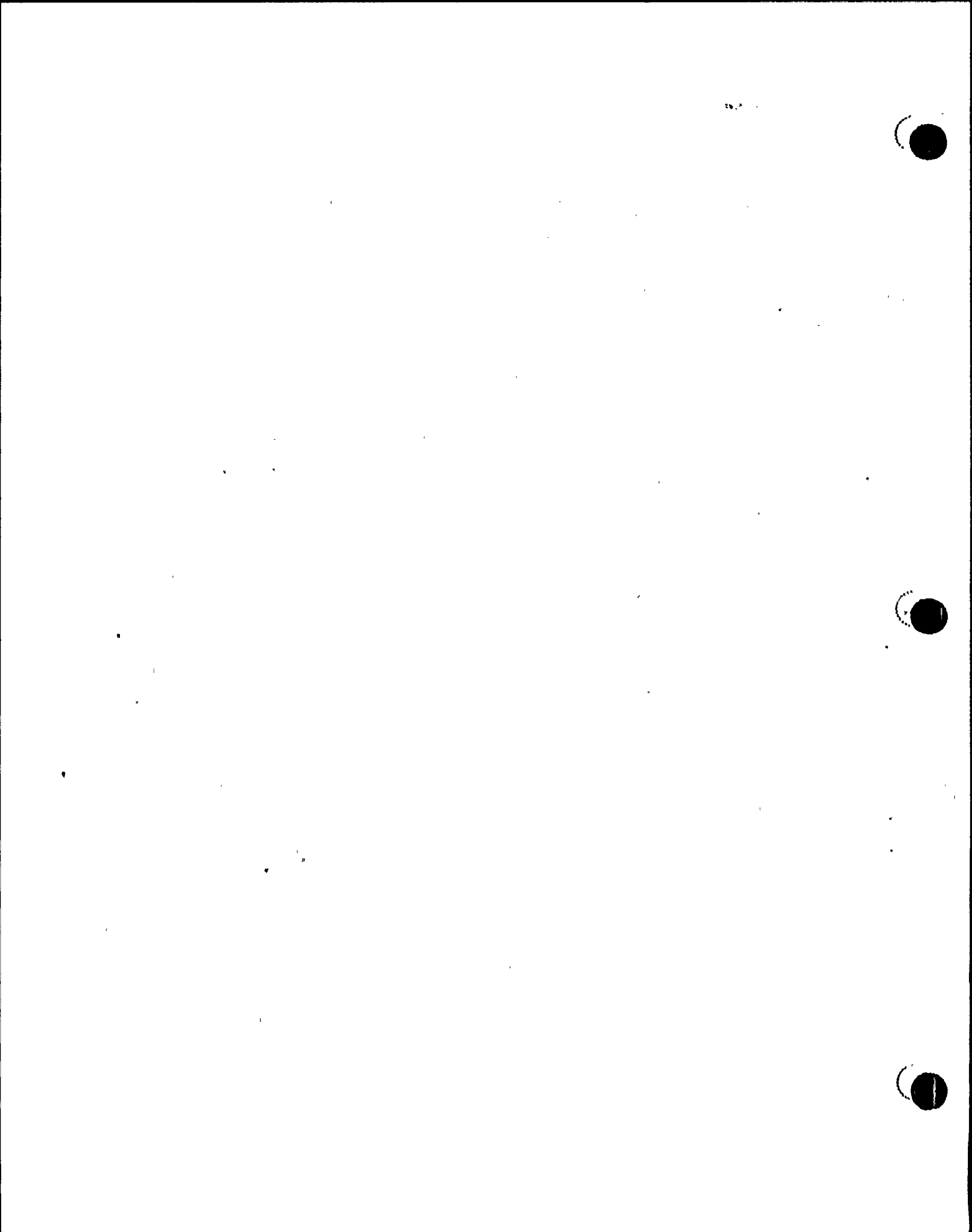
Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE SYSTEM 155B CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1,2,3	S34715	C93-155-137
4,5,6	S34724	C93-155-138
7,8,9	S34724	C93-155-139
10,11,12	S34725	C93-155-140
13,14,15	S34725	C93-155-141
16,17,18	S34727	C93-155-142
19,20,21	S34695	C93-155-143
22,23	S34752	C93-155-145
24,25	S34773	C93-155-151
26,27	S34843	C93-155-157
28,29,30	S35234	C93-155-181
31,32	S43022	C94-155-001
33,34,35	S43037	C94-155-002



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

1. Owner Pennsylvania Power & Light Co.
Name

Date 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 8 of 9

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: See Sheet 6 For Work Documents

 PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE SYSTEM 155B CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,2,3,4,5,6,7,8,9,10,11,12,13,14, 15,16,17,18,19,20,21,22,23,24, 28,29,30,33,34,35,36,37,38	ASME SECTION III; CLASS 2; 1974 EDITION; W75 ADDENDA
22,24,26,31,32,39,41	ASME SECTION VIII; DIVISION I
23,25,27,40,42	ASME SECTION VIII; DIVISION I; 1989 DIVISION; 1990 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 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 9 of 9

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: See Sheet 6 For Work Documents

 PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

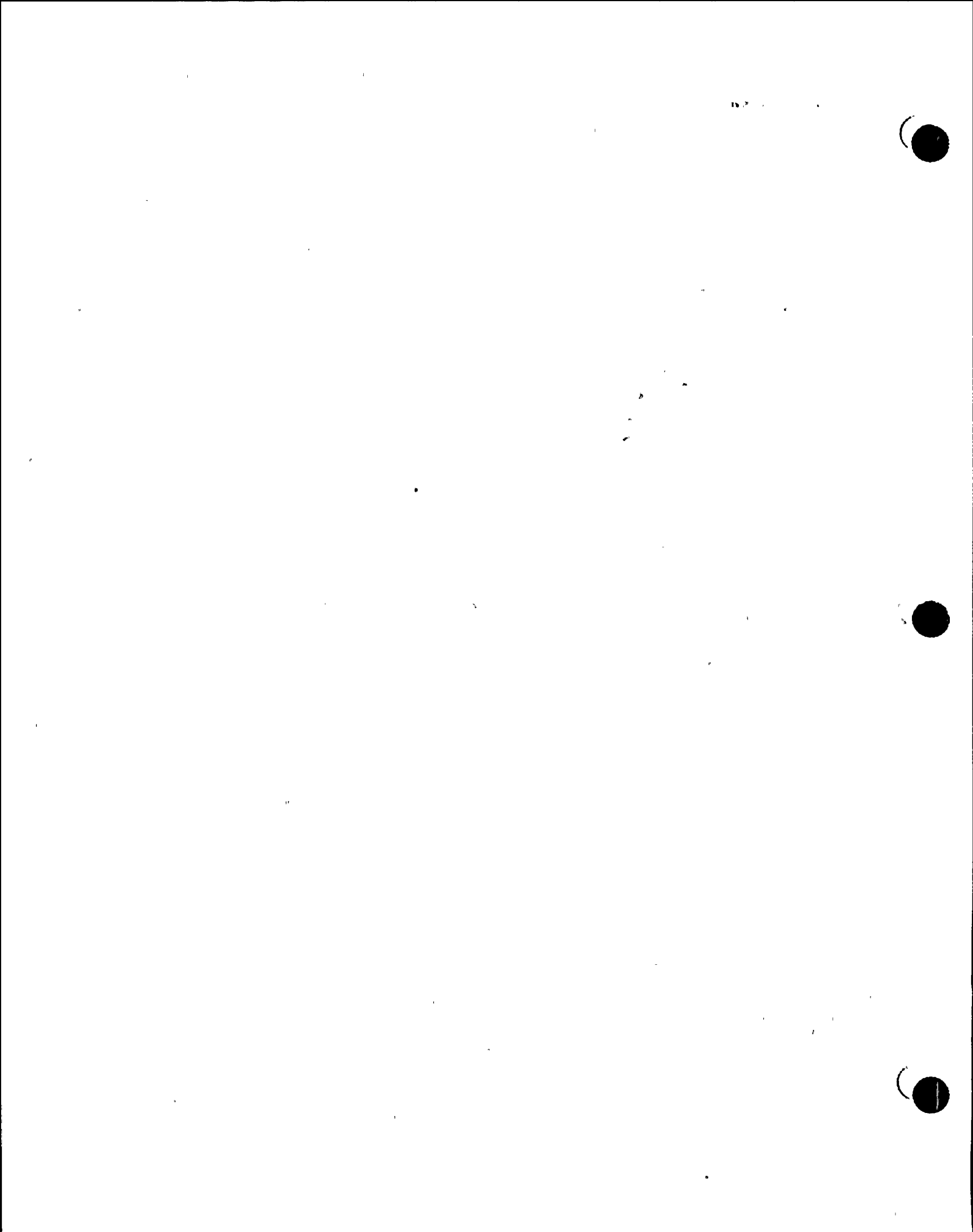
4. Identification of System CONTROL ROD DRIVE SYSTEM 155B CLASS 2

5. (a) Applicable Construction Code See Sheet 8 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2,4,5,7,8,10,11,13,14,16,17,19, 20,28,29,33,34,36,37	REMOVE AND REPLACE STEM/DISC ASSEMBLY
3,6,9,12,15,18,21,30,35,38	CHASE THREADS, LAP SEAT OF VENT VALVE
22,23,24,25,26,27,31,32,39,40 ,41,42	REMOVE AND REPLACE NITROGEN ACCUMULATOR
Item (s)	Description of Tests
1,2,3,4,5,6,7,8,9,10,11,12,13,14, 15,16,17,18,19,20,21,28,29,30, 33,34,35,36,37,38	NO ASME TESTING REQUIRED
22,23,24,25,26,27,31,32,39,40 ,41,42	VT2 DURING SE-155-301; 1020PSIG; 163°F



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

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. Ordered for Susquehanna 1 Berwick, Pennsylvania 18603
(Name and address of purchaser)

3. In service of the vessel: not known
(Name and address)

4. Type Vertical 2230 N/A 112EN405 G001 Rev 02 N/A 1992
(Type of vessel) (Designation) (CRN) (Ordering No.) (MFR. No.) (Test year)

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
Code Case No. Special Service per UG-120(d)

6. Shell: SA312 Gr. TP304 0.750" 0.005" 7.028" 3 ft. 2.38 inches
Mat. (Spec. No., Grade) (Nom. Thk. (in.)) (Cor. Allow. (in.)) (diam. O.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: Seamless N/A
Long. (Welded, D.O., Sing., Lap, Butt) RT. (Spot or Full) ERT (N) RT. Temp. (F) Time (hr) Urth (Welded, D.O., Sing., Lap, Butt) RT. (Spot or Full) No. of Courses

8. 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	Stds 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., UG, SPS, 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.	Orn. 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

11. Support: Start No Legs (No.) Legs (No.) Other Band Clamps Attached around approx. middle
(Yes or No) (Describe) (Where and How)

12. 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, 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. UG-100(b) of 1 with Addendum No. 10.572 expires June 10, 1993

Date 6/9/92 Co. name GE NF & CM signed M. P. 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 6/10, 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 James P. Evans Commissioned NC 1231, Ohio, WC 3688 PA
(Authorized Inspector) (National Board (incl. endorsement), State, Prov. and Dist.)

RECORDS PAID
 PAGE 104 OF 139

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

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. Made for Susquehanna 1 Berwick, Pennsylvania 18603
(Name and address of purchaser)

3. Location of installation not known
(Name and address)

4. Type Vertical 2090 N/A 112D-3405 G001 Rev 02 N/A 1992
(Type of vessel) (Design No.) (CRN) (Drawing No.) (N.C. U.L. 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
Code Case No. Special Service per UG-120(d)

6. Shell: SA312 Gr. TP304 0.750" 0.005" 7.028"
Mat'l. (Spec. No., Grade) (Nom. THK. (in.) (Corr. Allow. (in.) (Diam. U.L. (I.C. & in.) (Length (overall) (I.C. & in.)

7. Seams: Seamless N/A
Long. (Welded, DBC, Sing. Lap, Jkt.) RT. (Spot or Full) EQ (%) RT. Temp. (F) Time (hr) Girth (Welded, DBC, Sing. Lap, Jkt.) RT. (Spot, Partial, or Full) No. of Courses

8. Heads: (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	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'l., Spec. No., U.L., 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 or 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 Lugs (No.) Legs (No.) Other Band Clamps Attached around approx. middle
(Yes or No) (Describe) (Where and how)

12. 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, U.L. No. 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 (Manufacturer) Signed M. B. Johnson (Representative)

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 6/12, 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 Jessie L. Evans (Authorized Inspector) Commission No. NC 1231, Ohio, WC 3688 PA
(N.B. Board (incl. endorsements), State, Prov. and No.)

No. 92-0703
 RECORD PACKAGE
 PAGE 77 OF 79

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

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 2085 N/A 112D3405 G001 Rev 02 N/A 1992
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing No.) (Part, Std. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of U.S. 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. Thic. (In.) Cor. Allow. (In.) Diam. Ut. (R. & In.) Length (Overall) (R. & In.)

7. Seams: Seamless N/A
Long. (Welded, D.C. Ring, Lap, Butt) H.T. (Spot or Full) E.C. (%) H.T. Temp. (F) Time (Hr) Girth (Welded, D.C. Ring, Lap, Butt) H.T. (Spot or Full) No. of Courses

8. Heads: (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., Gr., 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 or 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 Lugs 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 properly 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 all 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 06/06/92 Co. name GE NF & CM (Manufacturer) Signed M. E. Johnson (Responsible)

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 5/12, 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 5/26/92 Signed James P. Evans (Authorized Inspector) Commission No. NC 1231, Ohio, WC 3686 PA
(National Board and Pressure Vessel Inspectors)

No. 95-0703
 RECORD PACKAGE
 PAGE 15 OF 30



FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
 Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division I

1. Manufactured by General Electric Company, P.O. Box 780, Wilmington, N.C. 28401
(Name and address of Manufacturer)

Manufactured for General Electric Company, P.O. Box 780, Wilmington, N.C. 28401
(Name and address of Purchaser)

3. Type Vertical Vessel No. S.N. 2038 () () Natl. Bd. No. 7.031 Yr. Built 1975
(Horiz. or Vert.) (Mfrs. Serial) (State & State No.)

4. SHELL: Matl. SA-106 Gr B T.S. 60,000 Nom. Thk. .53 In. Corr. Allow 0 In. Diam. 0 Ft. A In. Length 3 Ft. 2 In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Seamless H.T. R.T. Sectioned Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth None H.T. R.T. Sectioned No. of Courses

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA182-F304 T.S. 60,000 (b) Material SA182-F304 T.S. 60,000
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) Top 2.5" 7,230 Flathead

(b) Bottom 2.5" 7,230 Flathead

If removable, bolts used Other fastening Integral Threads
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for max. allowable working press. ² 1750 psi at max. temp. 150 °F. Min. temp. (when less than -20°) °F. Hydrostatic ~~Pressure~~ Test 2800 Press min. psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number Size Location

9. NOZZLES:

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

INSPECTION Manholes, No. Gas Port Size .75" Location Bottom Head

OPENINGS: Handholes, No. Water Port Size .97" Location Top Head

Threaded, No. Size Location

11. SUPPORTS: Skirt No Lugs 0 Legs Other Attached
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: Piston Accumulator - Dwg. 921D595

Demineralized Water & Nitrogen Service

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents. If postweld heat-treated. List other internal or external pressures with coincident temperature when applicable.)

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 I.

Date Nov. 3 19 75 Signed G.E., BWRSD - REM By Charles F. Drew
(Manufacturer)

Certificate of Authorization No. 10,572 Expires July 21, 1976

CERTIFICATE OF SHOP INSPECTION 2007 54114

VESSEL MADE BY General Electric Company at Wilmington, North Carolina

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province N. Carolina and employed by Department of Labor of State of North Carolina have inspected the pressure vessel described in this manufacturer's data report on Nov. 3 19 75 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

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 Nov. 3 19 75

Charles F. Drew Inspector's Signature

Commissions NC 723 PA. WC 1766 Ohio
Natl Board, State, Province and No.

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

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. Location of vessel Susquehanna 1 Berwick, Pennsylvania 18803
(Name and address of purchaser)

3. Location of vessel not known
(Name and address)

4. Type Vertical 2243 N/A 11215-025 G001 Rev 02 N/A 1992
(Name of vert. tank) (Mfg's serial No.) (CWN) (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 Addenda (Date) N/A Code Case Nos. N/A Special Services per UG-120(d) N/A

6. Shell: SA312 Gr. TP304 0.750" 0.005" 7.028" 3 ft. 2.38 inches
(Mat'l. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. Lx. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: Seamless N/A
Long. (Welded, Dbl. Lap, Single Lap, etc.) RT. (Spot or Full) EL (%) RT. Term. (F) Tmpt. (N) Lxth. (Welded, Dbl. Lap, Single Lap, etc.) RT. (Spot or Full) No. of Courses

8. Heads: (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	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'l., Spec. No., Wt., 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. Flanges, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Drain or 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 properly 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 06/21/92 Co. Name GE NF & CM (Manufacturer) Signed M. Johnson (Representative)

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 6/24, 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 held 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 James P. Evers (Authorized Inspector) Commission No. NC 1231, Ohio, WC 3686 PA
(Nat'l. Board (incl. endorsements), State, Prov. and No.)



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

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 & address)

4. Type Vertical 2088 N/A 11223405 G001 Rev 02 N/A 1992
(Horiz. or vert. tank) (Mfg.'s serial No.) (CRN) (Drawing No.) (Natl. 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 No. 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. ID. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless N/A
Long. (Welded, Dbl., Sing., Lap, Butt) RT. (Spot or Full) EL (%) RT. Temp. (F) Time (hr) Girth (Welded, Dbl., Sing., Lap, Butt) RT. (Spot, Partial, or Full) No. of Courses

8. Heads: (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	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'l., Spec. No., Ur., 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 or 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 Lugs 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 properly 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 components 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 06/25/92

Co. name

GE NF & CM
(Manufacturer)

Signed

M. Johnson
(Representative)

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 6/12, 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 5/26/92 Signed

James P. Egan
(Authorized Inspector)

Commissioned

NC 1231, Ohio, WC 3886 PA

(Natl. Board (incl. endorsements), State, Prov. and No.)

(08/90)

No. 92-0703
 RECORD PACKAGE
 PAGE 12 OF 130



FORM NIS-2 (Back)

9. Remarks SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16, 19 94
Owner or Owner's Designer, 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 9/1/92 to 9/17/93, 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 AN 11
Inspector's Signature FACTORY MUTUAL ENG ASSOC. National Board, State, Province, and Endorsements

Date March 17 19 94

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTSTM
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 2/11/94

Sheet 4 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEAN-UP FILTER/DEMIN. 161A CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,4,6	1968 PUMP AND VALVE CODE
2,3,7	ASME SECTION III; CLASS 1; 1986 EDITION; 1988 ADDENDA
5	ASME SECTION 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
 Two North Ninth St., Allentown, PA 18101
Address

Date 2/11/94

Sheet 5 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEAN-UP FILTER/DEMIN. 161A CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2,6,7	REPLACE LEAK-OFF PLUG
3	REMOVE SQUARE HEAD, MACHINE SQUARE HOLE IN LEAK-OFF PLUG
4,5	REPLACE BONNET ON A 1/2" 600# GLOBE VALVE
Item (s)	Description of Tests
1,2,3,4,5,6,7	NO ASME TESTING REQUIRED

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

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

Pg. 1 of 2

1. Manufactured and certified by EDWARD VALVES INC., 1900 S. SAUNDERS ST., RALEIGH, NC 27603
(Name and address of ASME Certificate holder)
2. Manufactured for PENNSYLVANIA POWER & LIGHT CO., P.O. BOX 467, BIRWICK PA 18603
(Name and address of purchaser)
3. Location of installation SUSQUEHANNA SES BIRWICK, PA 18603
(Name and address)
4. Type CRVA-541R/E SA105 N/A N/A 1993
(of drawing no.) (Mat'l spec. no.) (License strength) (ASME) (Year built)
5. ASME Code, Section III: 1974 N/A 3 N/A
(Edition) (ASME Code) (Subsection) (Case Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(Incl.)
7. Remarks: Bonnet for 1/2" S603-CS-E-S6 valve.

8. Nom. thickness (in.) N/A Min. design thickness (in.) ERR4 Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
(Incl.)
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report: SO. 36-30431

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>8068158-75</u>	<u>N/A</u>
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 1400 psi. Temp. 150 °F. Hydro. test pressure N/A at temp. °F
(When applicable)

* See ASME Code, Section III, Subsection 3000 for information on items 2 and 3 on this Data Report

FORM NIS-2 (Back)

9. Remarks SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16, 19 94
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 5/1/92 to 8/7/93, 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 - AN 11
FACTORY MUTUAL ENG ASSOC.
National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94

Sheet 3 of 4

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

Unit 1: See Sheet 1 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEAN-UP 161B CLASS 3

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,3,5	ASME SECTION III; CLASS 3; 1974 EDITION; W74 ADDENDA
2,4,6	ASME SECTION III; CLASS 1; 1974 EDITION; W74 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 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 4 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: See Sheet 1 For Work Documents

 PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

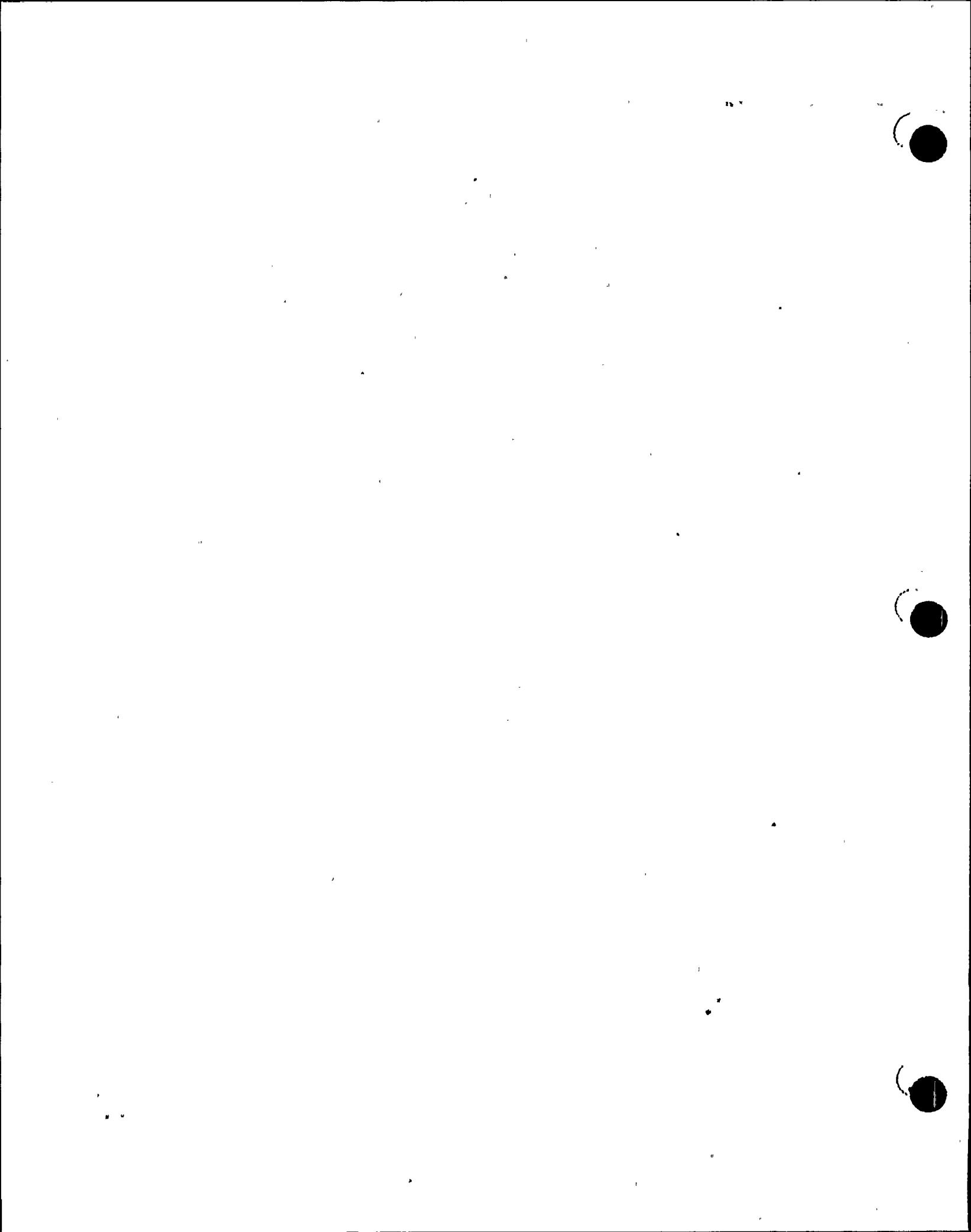
Expiration Date N/A

4. Identification of System REACTOR WATER CLEAN-UP 161B CLASS 3

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2,3,4	REPLACE STEM/DISC ASSEMBLY IN 1" GLOBE VALVE
5,6	REPLACE BACKSEAT BUSHING IN 1" GLOBE VALVE
Item (s)	Description of Tests
1 THROUGH 6	NO ASME TESTING REQUIRED



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. _____ 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 (Conv. or Conc.) Side to Press.
 (Top, bottom, ends)

(a) _____
 (b) _____

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

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

8. Design pressure _____ psi at _____ °F Drop Weight _____ ft-lb
 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.
 (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 (Conv. or Conc.) Side to Press.
 (a) Top, bottom, ends _____
 (b) Channel _____

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

14. Design pressure _____ psi at _____ °F Drop Weight _____ ft-lb
 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)

19. If Postweld Heat Treated _____
 List other internal or external pressure with coincident temperature when applicable.

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 NO. 04233

1. (a) Manufactured by Yarway Corporation, Blue Bell, PA 19422
(Name and address of NPT Certificate Holder)
- (b) Manufactured for Pennsylvania Power & Light Company, Susquehanna Steam Electric Station
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part 5293-A1 thru A24 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. 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: ASME SA-182 Grade F6a Class 2

NO. 89-0846
 RECORD PACKAGE
 PAGE 29 OF 32

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 7/18 1989 Signed Yarway Corporation By F. W. Peszka
(NPT Certificate Holder)
 Certificate of Authorization Expires November 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 of Norwood, MA* have inspected the part of a pressure vessel described in this Partial Data Report on JULY 18, 1989 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 July 18, 1989 *Factory Mutual System

Jm. Hinks Commissions Pa. 2006
Inspector's Signature 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".

FORM N-2 (back)

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 bargive 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 _____

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)

NO. 89-0846
 RECORD PACKAGE
 PAGE 30 OF 32

¹ If Postweld Heat-Treated.
² List other internal or external pressure with coincident temperature when applicable.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS¹
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 2/11/94

Sheet 1 of 14

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

Unit 1: See Sheet 11 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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 9215	N/A	CRD 14-11	1978	REPLACED	YES
2) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9488	N/A	CRD 14-11	1978	REPLACEMENT	YES
3) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9223	N/A	CRD 22-11	1978	REPLACED	YES
4) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9204	N/A	CRD 22-11	1978	REPLACEMENT	YES
5) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7764	N/A	CRD 22-43	1978	REPLACED	YES

7. Description of Work See Last Page

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
 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 3/16 19 94
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 ^{City 3/17/94} have inspected the components described in this Owner's Report during the period 8/2/93 to 11/1/93, 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 9866 PA wk 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 2 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 3 For Work Documents
Name
 PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
6) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N A5465	N/A	CRD 22-43	1981	REPLACEMENT	YES
7) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9143	N/A	CRD 2607	1978	REPLACED	YES
8) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9353	N/A	CRD 2607	1978	REPLACEMENT	YES
9) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N A4342	N/A	CRD 26-39	1981	REPLACED	YES
10) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7914	N/A	CRD 26-39	1978	REPLACEMENT	YES
11) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9230	N/A	CRD 26-55	1978	REPLACED	YES
12) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9171	N/A	CRD 26-55	1978	REPLACEMENT	YES
13) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9254	N/A	CRD 26-59	1978	REPLACED	YES

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

1. Owner Pennsylvania Power & Light Co. Date 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 3 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 11 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

14) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7772	N/A	CRD 26-59	1978	REPLACEMENT	YES
15) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8479	N/A	CRD 30-27	1978	REPLACED	YES
16) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N A985	N/A	CRD 30-27	1978	REPLACEMENT	YES
17) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9325	N/A	CRD 34-39	1978	REPLACED	YES
18) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N A943	N/A	CRD 34-39	1978	REPLACEMENT	YES
19) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N A5621	N/A	CRD 34-47	1981	REPLACED	YES
20) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9515	N/A	CRD 34-47	1978	REPLACEMENT	YES
21) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7805	N/A	CRD 38-03	1978	REPLACED	YES
22) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 5717	N/A	CRD 38-03	1978	REPLACEMENT	YES
23) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8864	N/A	CRD 38-19	1978	REPLACED	YES
24) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8836	N/A	CRD 38-19	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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 11 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

25) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7817	N/A	CRD 38-43	1978	REPLACED	YES
26) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N A981	N/A	CRD 38-43	1978	REPLACEMENT	YES
27) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8332	N/A	CRD 50-39	1978	REPLACED	YES
28) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9354	N/A	CRD 50-39	1978	REPLACEMENT	YES
29) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7548A	N/A	CRD 50-43	1978	REPLACED	YES
30) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7753	N/A	CRD 50-43	1978	REPLACEMENT	YES
31) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 5385	N/A	CRD 54-39	1981	REPLACED	YES
32) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8830	N/A	CRD 54-39	1978	REPLACEMENT	YES
33) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8820	N/A	CRD 58-27	1978	REPLACED	YES
34) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 7810	N/A	CRD 58-27	1978	REPLACEMENT	YES
35) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8273	N/A	CRD 58-35	1978	REPLACED	YES

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

1. Owner Pennsylvania Power & Light Co. Date 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 11 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

36) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N A5494	N/A	CRD 58-35	1981	REPLACEMENT	YES
37) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9523	N/A	CRD 58-39	1978	REPLACED	YES
38) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N A4482	N/A	CRD 58-39	1984	REPLACEMENT	YES
39) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8170	N/A	CRD 34-35	1978	REPLACED	YES
40) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 9143	N/A	CRD 34-35	1978	REPLACEMENT	YES
41) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 5717	N/A	CRD 30-07	1978	REPLACED	YES
42) CONTROL ROD DRIVE	GENERAL ELECTRIC	S/N 8276	N/A	CRD 30-07	1978	REPLACEMENT	YES
43) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 14-11	*(1)	REPLACED	NO
44) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 14-11	1993	REPLACEMENT	NO
45) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 22-11	*(1)	REPLACED	NO

NOTE(2): GE MPL NO 137C9293P001 - HT. CODE HAL, BUILT 1993
*NOTE(1): GE MPL NO. 117C4515P002 - HT. NUMBER AND YEAR BUILT NOT AVAILABLE

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 2/11/94

Sheet 6 of 14

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

Unit 1: See Sheet 11 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

46) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 22-11	1993	REPLACEMENT	NO
47) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 22-43	*(1)	REPLACED	NO
48) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 22-43	1993	REPLACEMENT	NO
49) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 26-07	*(1)	REPLACED	NO
50) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 26-07	1993	REPLACEMENT	NO
51) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 26-39	*(1)	REPLACED	NO
52) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 26-39	1993	REPLACEMENT	NO
53) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 26-55	*(1)	REPLACED	NO
54) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 26-55	1993	REPLACEMENT	NO
55) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 26-59	*(1)	REPLACED	NO

NOTE(2): GE MPL NO 137C9293P001 - HT. CODE HAL, BUILT 1993
*NOTE(1): GE MPL NO. 117C4515P002 - HT. NUMBER AND YEAR BUILT NOT AVAILABLE

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 7 of 14
Address
 2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 11 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
 Expiration Date N/A

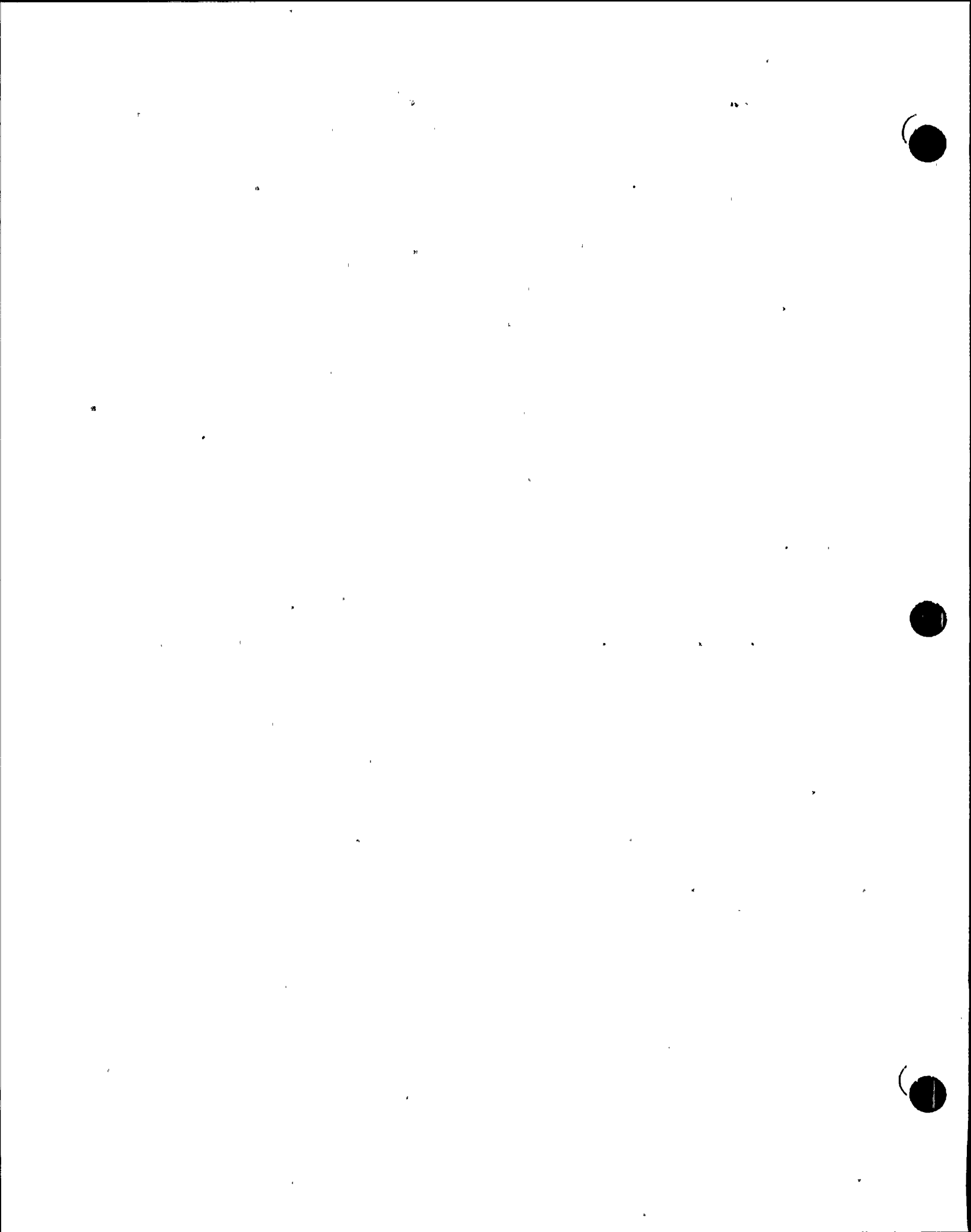
4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

56) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 26-59	1993	REPLACEMENT	NO
57) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 30-27	*(1)	REPLACED	NO
58) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 30-27	1993	REPLACEMENT	NO
59) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 34-39	*(1)	REPLACED	NO
60) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 34-39	1993	REPLACEMENT	NO
61) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 34-47	*(1)	REPLACED	NO
62) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 34-47	1993	REPLACEMENT	NO
63) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 38-03	*(1)	REPLACED	NO
64) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 38-03	1993	REPLACEMENT	NO
65) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 38-19	*(1)	REPLACED	NO
66) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 38-19	1993	REPLACEMENT	NO

*NOTE(2): GE MPL NO 137C9293P001 - HT. CODE HAL, BUILT 1993
 *NOTE(1): GE MPL NO. 117C4515P002 - HT. NUMBER AND YEAR BUILT NOT AVAILABLE



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 2/11/94

Sheet 8 of 14

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

Unit 1: See Sheet 11 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

67) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 38-43	*(1)	REPLACED	NO
68) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 38-43	1993	REPLACEMENT	NO
69) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 50-39	*(1)	REPLACED	NO
70) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 50-39	1993	REPLACEMENT	NO
71) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 50-43	*(1)	REPLACED	NO
72) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 50-43	1993	REPLACEMENT	NO
73) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 54-39	*(1)	REPLACED	NO
74) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 54-39	1993	REPLACEMENT	NO
75) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 58-27	*(1)	REPLACED	NO
76) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 58-27	1993	REPLACEMENT	NO
77) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 58-35	*(1)	REPLACED	NO

NOTE(2): GE MPL NO 137C9293P001 - HT. CODE HAL, BUILT 1993
 *NOTE(1): GE MPL NO. 117C4515P002 - HT. NUMBER AND YEAR BUILT NOT AVAILABLE



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 2/11/94

Sheet 9 of 14

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

Unit 1: See Sheet 11 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

78) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 58-35	1993	REPLACEMENT	NO
79) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 58-39	*(1)	REPLACED	NO
80) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 58-39	1993	REPLACEMENT	NO
81) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 34-35	*(1)	REPLACED	NO
82) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 34-35	1993	REPLACEMENT	NO
83) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(1)	N/A	CRD 30-07	*(1)	REPLACED	NO
84) 8 CRD FLANGE BOLTS	GENERAL ELECTRIC	*SEE NOTE(2)	N/A	CRD 30-07	1993	REPLACEMENT	NO
85) PIPE SUPPORT/ SNUBBER	BECHTEL	N/A	N/A	DBA-102-H13	1982	REPAIRED	NO
86) REAR BRACKET AND LOAD PIN	BECHTEL	N/A	N/A	MST-022-H31	1982	REPLACED	NO
87) REAR BRACKET AND LOAD PIN	GRINNELL	N/A	N/A	MST-022-H31	1985	REPLACEMENT	NO

*NOTE(2): GE MPL NO 137C9293P001 - HT, CODE HAL, BUILT 1993
 *NOTE(1): GE MPL NO. 117C4515P002 - HT, NUMBER AND YEAR BUILT NOT AVAILABLE

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 2/11/94
Name

 Two North Ninth St., Allentown, PA 18101 Sheet 10 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 11 For Work Documents
Name

 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 Stamp None
Name

 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address

Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

88) MAIN STEAM PIPE	GENERAL ELECTRIC	N/A	N/A	VNB-B21-17R	1982	REPAIR	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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 11 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 11 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1,2,43,44	H20341	C93-162-065
3,4,45,46	H20342	C93-162-066
5,6,47,48	H20343	C93-162-067
7,8,49,50	H20348	C93-162-068
9,10,51,52	H20349	C93-162-069
11,12,53,54	H20350	C93-162-070
13,14,55,56	H20351	C93-162-071
15,16,57,58	H20352	C93-162-072
17,18,59,60	H20354	C93-162-074
19,20,61,62	H20355	C93-162-075
21,22	H20367	C93-162-087
23,24,65,66	H20357	C93-162-077
25,26,67,68	H20358	C93-162-078

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 2/11/94
Name

Two North Ninth St., Allentown, PA 18101 Sheet 12 of 14
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 11 For Work Documents
Name

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 Stamp None
Name

Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address

Expiration Date N/A

4. Identification of System REACTOR VESSEL 162A CLASS 1

5. (a) Applicable Construction Code See Sheet 13 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

27,28,69,70	H20359	C93-162-079
29,30,71,72	H20360	C93-162-080
31,32,73,74	H20361	C93-162-081
33,34,75,76	H20362	C93-162-082
35,36,77,78	H20363	C93-162-083
37,38,79,80	H20364	C93-162-084
39,40,81,82	H20366	C93-162-086
41,42,83,84	H20365	C93-162-116
63,64	H20356	C93-162-076
85	S34920	C93-162-165
86,87	S34915	C93-162-168
88	S23590	C93-162-098

**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> 2/11/94 </u> Sheet <u> 13 </u> of <u> 14 </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: See Sheet 11 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 Stamp <u> None </u> Authorization No. <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> REACTOR VESSEL 162A CLASS 1 </u>	
5. (a) Applicable Construction Code <u> See Sheet 13 </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> 80 thru W'80 </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

Item (s)	Applicable Construction Code
1,2,3,4,5,7,8,10,11,12,13,15,16,17,18,20,21,23,25,27,28,29,30,32,34,35,37,39,40,42	ASME SECTION III; CLASS 1; 1971 EDITION; NO ADDENDA
6,9,14,19,24,26,31,33,36,38,85,86,87,88	ASME SECTION III; CLASS 1; 1971 EDITION; W'72 ADDENDA
22,41	ASME SECTION III; CLASS 1; 1971 EDITION; S'73 ADDENDA
43,45,47,49,51,53,55,57,59,61,63,65,67,69,71,73,75,77,79,81,83	ASME SECTION III; CLASS 1; 1974 EDITION; NO ADDENDA
44,46,48,50,52,54,56,58,60,62,64,66,68,70,72,74,76,78,80,82,84	ASME SECTION 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 <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> 2/11/94 </u> Sheet <u> 14 </u> of <u> 14 </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: See Sheet 11 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 Stamp <u> None </u> Authorization No. <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> REACTOR VESSEL 162A CLASS 1 </u>	
5. (a) Applicable Construction Code <u> See Sheet 13 </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> 80 thru W80 </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

Item (s)	Description of Work
1 THROUGH 42	REPLACED CONTROL ROD DRIVES
42 THROUGH 84	REPLACED EIGHT HOUSING BOLTS WITH NEW DESIGN BOLTS
85	REMOVE ABANDONED PIPE CLAM PER NCR 93-243
86,87	REPLACE DAMAGED REAR BRACKET AND LOAD PIN PER NCR 93-246
88	RESUBMIT NIS-2 TO CORRECT SYSTEM NUMBER. (183A1→162A1)
Item (s)	Description of Tests
1 THROUGH 84	VT2 DURING SE-100-002-1; 1020PSIG; 163°F
86,87	VT3 AND VT4; VT-93-557
85,88	NO ASME TESTING REQUIRED

FORM NIS-2 (Back)

9. Remarks SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16 .19 94
Owner or Owner's Designee, Title V.O. - 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 1/12/94 to 1/18/94, 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 AN 11
Inspector's Signature FACTORY MUTUAL ENG ASSOC.
National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 3 of 4

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: See Sheet 2 For Work Documents

 PO Box 467, Berwick, PA 18603
Address

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RECIRC - FLOW CONTROL AND JET PUMP INST. 164A CLASS 1

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,2	ASME SECTION III; CLASS 1; 1971 EDITION; W72 ADDENDA
3,4	ASME SECTION III; CLASS 1; 1974 EDITION; W74 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 2/11/94
 Sheet 4 of 4

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

Unit 1: See Sheet 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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System RECIRC - FLOW CONTROL AND JET PUMP INST. 164A CLASS 1

5. (a) Applicable Construction Code See Sheet 3 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2	REFABRICATE HANGERS TO ALLOW PLACEMENT OF VALVE XV-142F059G
3,4	REMOVE AND REPLACE FLOW CHECK VALVE DUE TO FAILURE
Item (s)	Description of Tests
1,2,3,4	NO ASME TESTING REQUIRED

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. 07005
(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. (b) N Certificate Holder's (c) Canadian (d) Drawing (f) Nat'l (g) Year
Series No. Serial Registration No. No. (e) Class Bd No. Built
or Type No. No. No. (e) Class Bd No. Built

(1) FVL16FD 380 THRU 383 NONE 281314-9002 1 1248THRU1251 1982
REV. L

(2) _____
(3) _____
(4) _____
(5) _____
(6) _____
(7) _____
(8) _____
(9) _____
(10) _____

5 Excess flow check valve, Model FVL 16FD, 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.

Mark No	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
	N/A		
(d) Other Parts			
9001/A55657A	SA182/F316	Crucible	Cap
9001/A31867	SA182/F316	Cartech	Cap
9002/A31859B	SA182/F316	Cartech	Body
9002/A31859A	SA182/F316	Cartech	Body
9001/A55657A	SA182/F316	Crucible	Poppet

B 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 (Date) Code Case No N/A Date 3/23/83
 Signed Marotta Scientific Controls, Inc. by Donald J. Denis, mgr QA
 (N Certificate Holder)
 Our ASME Certificate of Authorization No. N-1369 to use the N symbol expires 4/27/85.
 (N) (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 MAR. 24 1983 19 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 MAR. 24 1983 19 1983 Commissions NB-7050
[Signature] N. Y. 2866 N. J. 476 OHIO APP'D, PA. COMM. W. C. 2678
 (Nat'l Bd. State, Prov. and No.)

FORM NIS-2 (Back)

9. Remarks SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16, 19 94
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 1/20/92 to 10/10/93, 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
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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 Production Pg. 1 of 1

1. Manufactured and certified by Target Rock Company, 1066 Broadhollow Rd., E. Farmingdale, NY 11735
(Name and address of NPT 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 Susquehanna SES; US Rte. 11; Berwick, PA 18603
(Name and address)

4. Type: 202539-1 / SA-564 630 / 140 KSI / N/A / 1992
(drawing no.) (mat'l. spec. no.) (ASME Code) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1980 / Winter 1980 / 2 / None
(edition) (addenda date) (code case no.)

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

7. Remarks: Spare parts for completed valve assembly, Model No. 75KK-209
Main Disc

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

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>2169</u>	<u>N/A</u>	(26)	
(2) <u>2184</u>	<u>N/A</u>	(27)	
(3) <u>2185</u>	<u>N/A</u>	(28)	
(4) <u>2203</u>	<u>N/A</u>	(29)	
(5) <u>N/A</u>	<u>N/A</u>	(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure 3300 psig at temp. °F
(when applicable) Ambient

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

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

No. 92-0250
 RECORD PACKAGE
 PAGE 1 OF 33

FORM NO. 1 (REV. 1-15-64) N.Y. STATE COMMISSION ON BOILER AND PRESSURE VESSEL INSPECTION
N.Y. STATE COMMISSION ON BOILER AND PRESSURE VESSEL INSPECTION
N.Y. STATE COMMISSION ON BOILER AND PRESSURE VESSEL INSPECTION

Design specifications certified by L. S. Loomis State PA Reg. no. 19875E

Design report certified by _____ State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. 1948 Expires 12-12-92

Date 2/27/92 Name Target Rock Corporation Signed E. Bajada
E. Bajada; Director, Q.A.

CERTIFICATE OF INSPECTION

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

of Boston, Mass. have inspected these items described in this Data Report on 2/27/92 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
loss of any kind arising from or connected with this inspection.

Date 2/27/92 Signed William C. Heland N. Y. STATE COMMISSION NO. 2288
Commissions ALSO COMMISSIONED IN PENN., OHIO & CONN.
(Not to be used for endorsement and state or prov. and no 1)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS¹
As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light Co.
Name

Date 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: Work Authorization # S34914

 PO Box 467, Berwick, PA 18603
Address

 Code Repair Form # C93-164-171

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RECIRC - WATER LOOPS AND JET PUMPS 164B CLASS 1

5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 28" RECIRC PIPE	GENERAL ELECTRIC	N/A	N/A	RD-1-A2	1982	REPAIR	NO
2) 28" RECIRC PIPE	GENERAL ELECTRIC	N/A	N/A	RD-1-B2	1982	REPAIR	NO

7. Description of Work BLEND OUT INDICATIONS ON RECIRC PIPES

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT2 DURING SE-100-002
 Other Pressure 1020 psi Test Temp. 163 °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 3/16, 19 94
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 11/20/93 to 11/21/93, 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 UC 54619
FACTORY MUTUAL ENG ASSOC.
National Board, State, Province, and Endorsements

Date March 17, 19 94

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 2/11/94

Sheet 1 of 2

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

Unit 1: Work Authorization # S34766

Code Repair Form # C93-164-166

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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System RECIRC. SEAL WATER INJECTION SYSTEM 164D CLASS 2

5. (a) Applicable Construction Code Section III 19 89 Edition, NO Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) ROD ON SP SPRING HANGER	BECHTEL	N/A	N/A	SP-DCB-111-H2010	1982	REPLACED	NO
2) ROD ON SP SPRING HANGER	NORTHWESTERN STEEL / DUBOSE STEEL	HEAT NO. 68180	N/A	SP-DCB-111-H2010	1991	REPLACEMENT	NO

7. Description of Work REPLACE EXISTING ROD TO ENABLE COLD LOAD SET AS NCR 93-204 REQUIRES

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
 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 3/16, 19 94
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 10/1/93 to 11/9/93, 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 FACTORY MUTUAL ENG ASSOC. NB 7866 PA WK 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
 Sheet 2 of 2

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

Unit 1: See Sheet 1 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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System RECIRC. SEAL WATER INJECTION SYSTEM 164D CLASS 2

5. (a) Applicable Construction Code See Sheet 2 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1	ASME SECTION III; CLASS II; 1971 EDITION; W72 ADDENDA
2	ASME SECTION III; CLASS II; 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 2/11/94

 Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: Work Authorization # S34940

 PO Box 467, Berwick, PA 18603
Address

 Code Repair Form # C93-173-163

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

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

Type Code Symbol Stamp None

 Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System PRIMARY CONTAINMENT ATMOSPHERE CONTROL 173A CLASS 2

5. (a) Applicable Construction Code See Sheet 2 19 Edition, Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 1/2" LEAKOFF PLUG	PRATT	VALVE S/N D-0026-2-7	N/A	HV 15704	1976	REPLACED	NO
2) 1/2" LEAKOFF PLUG	COLONIAL MACHINE	HT. CODE AEM	N/A	HV 15704	1989	REPLACEMENT	NO

7. Description of Work REMOVE AND REPLACED LEAK-OFF PLUG ON 18" BUTTERFLY VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure NO ASME TESTING REQUIRED
 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 3/16 .19 94
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 10/1/93 to 10/10/93, 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 W. 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Sheet 2 of 2

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

Unit 1: See Sheet 1 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 Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System PRIMARY CONTAINMENT ATMOSPHERE CONTROL 173A CLASS 2

5. (a) Applicable Construction Code See Sheet 2 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1	ASME SECTION III; CLASS 2; 1971 EDITION; S73 ADDENDA
2	ASME SECTION III; CLASS 1; 1986 EDITION; 1988 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 2/11/94
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 Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System H₂ AND O₂ ANALYZER 173C CLASS 2

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) 1" Y-TYPE SS GLOBE VALVE	BORG WARNER	S/N 15304	N/A	157138	1976	REPLACED	YES
2) 1" Y-TYPE SS GLOBE VALVE	YARWAY	S/N C-2655	N/A	157138	1990	REPLACEMENT	YES
3) 1" SCH. 40 S.S. PIPE	BECHTEL	N/A	N/A	SP-HCB-108-3	1982	REPLACED	NO
4) 1" SCH. 40 S.S. PIPE	ALTECH	HEAT NO. AH4158	N/A	SP-HCB-108-3	1990	REPLACEMENT	NO

7. Description of Work See Last Page

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
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 SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16, 19 94
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 7/12/93 to 10/23/93, 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 March 17 19 94

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 2/11/94

Sheet 4 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System H₂ AND O₂ ANALYZER 173C CLASS 2

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1	ASME SECTION III; CLASS 2; 1974 EDITION; W74 ADDENDA
2	ASME SECTION III; CLASS 1; 1986 EDITION; NO ADDENDA
3	ASME SECTION III; CLASS 2; 1986 EDITION; NO ADDENDA
4	ASME SECTION III; CLASS 2; 1986 EDITION; 1987 ADDENDA
5,6,7,8	ASME SECTION III; CLASS 2; 1971 EDITION; W72 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 2/11/94

Sheet 5 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System H₂ AND O₂ ANALYZER 173C CLASS 2

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2	REPLACE GLOBE VALVE DUE TO BENT STEM
3,4	INSTALL PIPE BETWEEN VALVES 157138 & SV15748A
5,6,7,8,	INSTALL NEW CLIPS ON HANGER AFTER VALVE REMOVAL
Item (s)	Description of Tests
1 THROUGH 8	NO ASME TESTING REQUIRED



FORM NPV-1 (back)

8. Remarks Nuclear Service Valves, Qty. 17

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 10/24/90 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 OCTOBER 24, 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 10-24-90 Signed [Signature] Commissions PA 2006
 (Authorized Inspector) (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.
Name
 Two North Ninth St., Allentown, PA 18101
Address

Date 2/11/94
 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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS 1

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) BONNET	ANCHOR DARLING	HEAT NO. 44003	N/A	141016	1978	REPLACED	YES
2) BONNET	ANCHOR DARLING	HEAT NO. 8897880	N/A	141016	1990	REPLACEMENT	YES
3) STEM/DISC ASSEMBLY	YARWAY	VALVE S/N 4890	N/A	139F026K	1976	REPLACED	YES
4) STEM/DISC ASSEMBLY	YARWAY	S/N 90-1-2L1-A6	N/A	139F026K	1991	REPLACEMENT	YES
5) BACKSEAT BUSHING	YARWAY	VALVE S/N 4890	N/A	139F026K	1976	REPLACED	YES

7. Description of Work See Last Page

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
 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 SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16, 19 94
Owner or Owner's Designee, Title V.P. - NUCLEAR OPERATIONS

CERTIFICATION OF INSERVICE INSPECTION

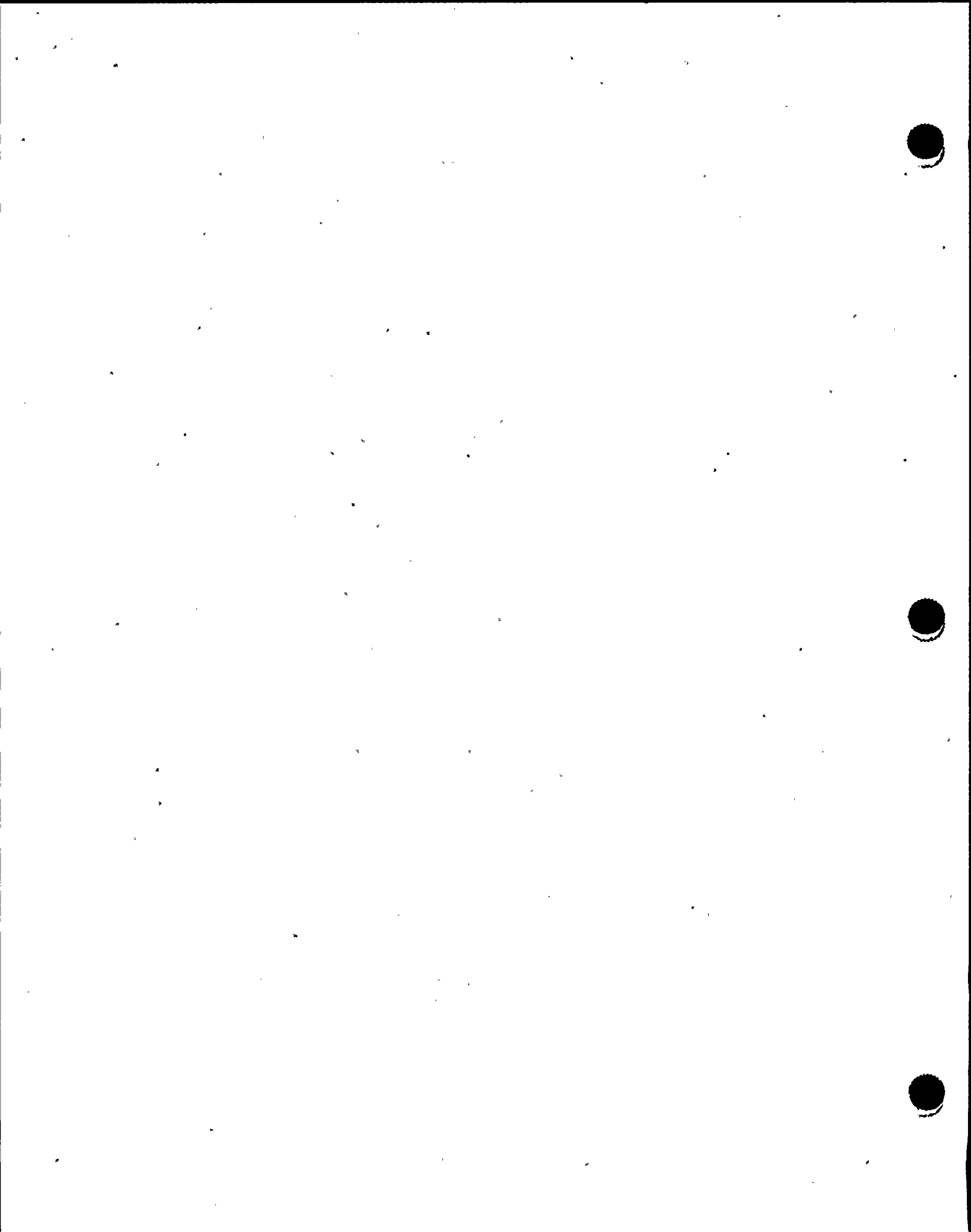
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASSACHUSETTS

have inspected the components described in this Owner's Report during the period 3/16/93 to 10/4/93, 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 AN 11
Inspector's Signature FACTORY MUTUAL ENG ASSOC.
National Board, State, Province, and Endorsements

Date March 17 19 94



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 2/11/94
Name

 Two North Ninth St., Allentown, PA 18101 Sheet 4 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 3 For Work Documents
Name

 PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None.
Name

 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address

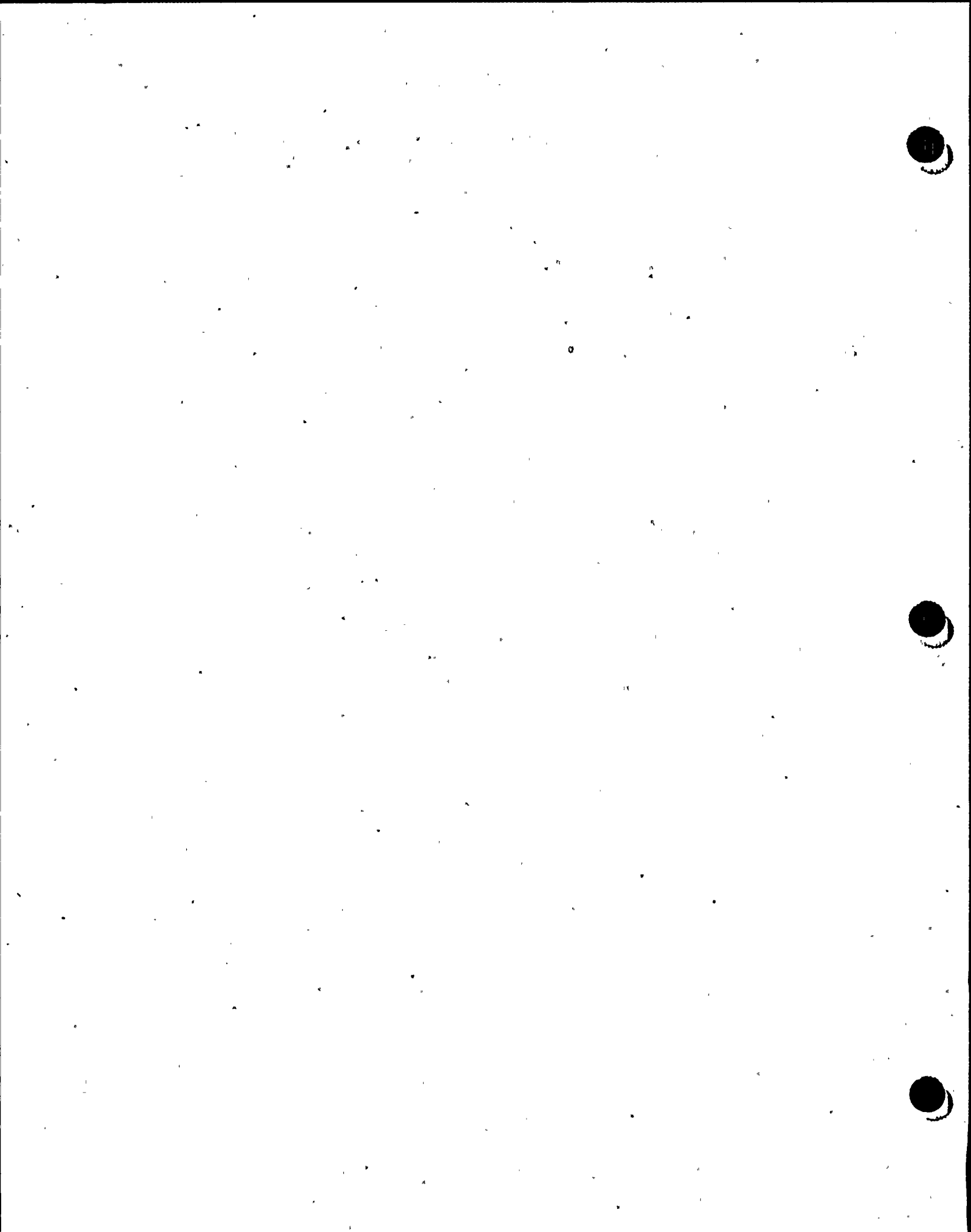
Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS 1

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1	ASME SECTION III; CLASS 1; 1971 EDITION; W72 ADDENDA, CODE CASES 1516-1, 1534, 1535-2 & 1334-2
2	ASME SECTION III; CLASS 1; 1971 EDITION; W72 ADDENDA
3,4,5,6,7,8	ASME SECTION III; CLASS1; 1974 EDITION; W74 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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 5 of 5
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 3 For Work Documents
Name
 PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.
Address

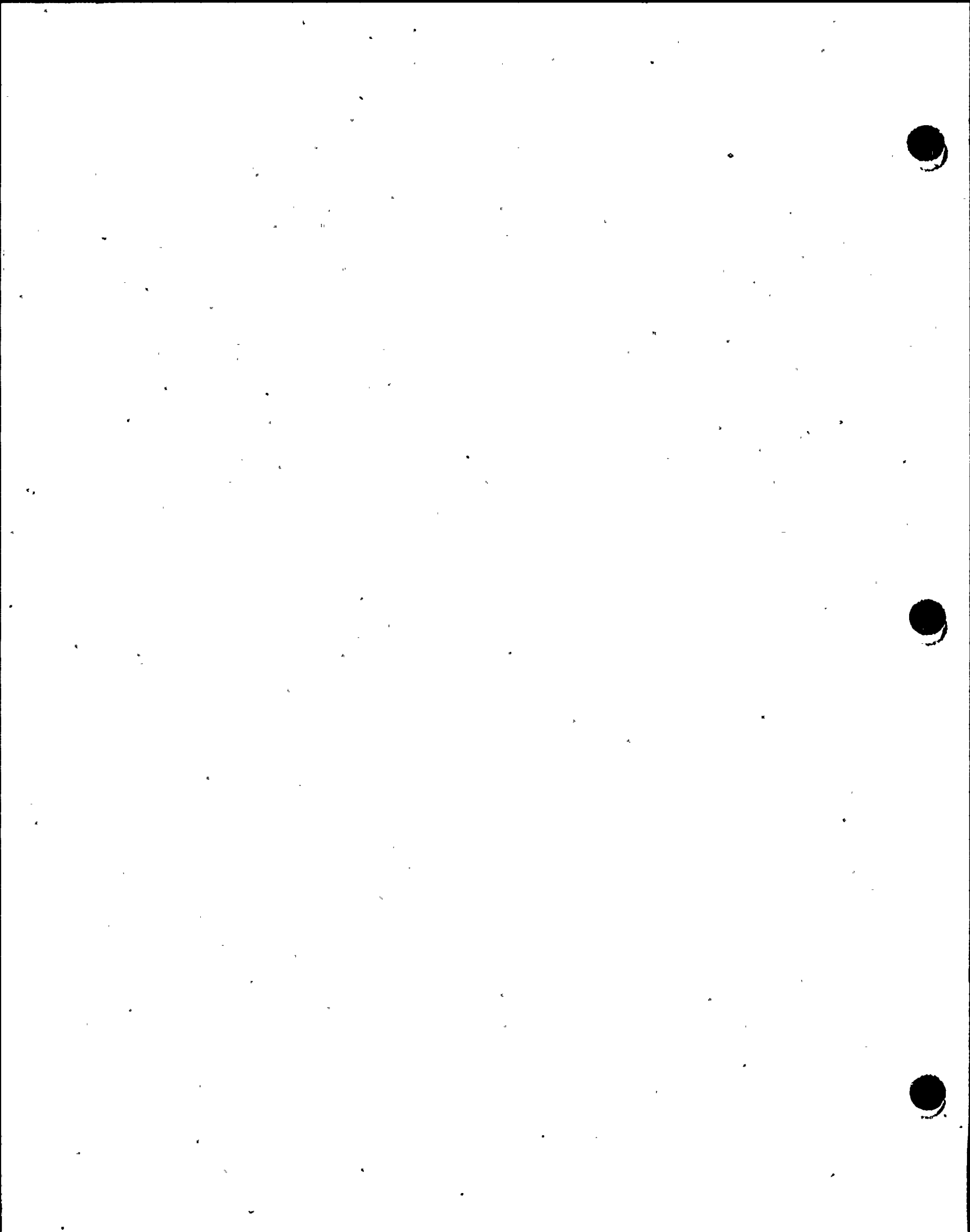
3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 183A CLASS 1

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2	REPLACE BONNET WITH A NEW BONNET WITH NO LEAK-OFF PLUG
3,4,7,8	REMOVE AND REPLACE STEM/DISC ASSEMBLY IN A 1" GLOBE VALVE
5,6	REMOVE AND REPLACE BACKSEAT BUSHING IN 1" GLOBE VALVE
Item (s)	Description of Tests
1,2	VT2 DURING SE-100-002; 1020PSIG; 163°F
3,4,5,6,7,8	NO ASME 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. 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 Street, Allentown, PA 18101
(Name and address of NPT Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part AS/N 3006 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. D9567 Drawing Prepared by Anchor/Darling Valve Company
 (b) Description of Part Inspected Bonnet, Heat No. 8897880 SA105
 (c) Applicable ASME Code: Section III, Edition 1971, Addenda date Wnt '72, Case No. N/A Class 1

3. Remarks 3"-900#-Globe
(Brief description of service for which component was designed)
A/DV Shop Order EB602-4

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 10/22 19 90 Signed Anchor/Darling Valve Co. By R L Hammett
(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 22690 Anchor Darling Valve 19 90, 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 10-23 19 90
Charles Young
 Charles Young
 Commission Pennsylvania 2392
National Board, State, Province and No.

RECORD PROGRAM
 PAGE 110 OF 1108

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. 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.)

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

7. Jacket Closure: (Describe as 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 of

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 (Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

10. Tubes: Material O.D. in. Thickness in. Attachment (Kind & Spec. No.) (Subject to pressure) (Welded, Bolted)

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.)

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 of

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number Size Location

16. Nozzles: Table with columns: 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 (Yes or No) Lugs (Number) Legs (Number) Other (Describe) Attached (Where & How)

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

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, 1994 Edition, Part 11000.21111

Register 15599

Shop Order 0360

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 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 H74, 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.)

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 Prof. Eng. State PA 26382E
Sidney Arthur Copland PA 19877E

Stress analysis report certified by George Loos Prof. Eng. State 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. Bastus Inspector's Signature PA 2313 (ANI) National Board, State, Province

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in 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

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. _____ 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 edge and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure _____ 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 pressure _____ 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 _____ (Yes or No) _____ (Number) _____ Legs _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Where & How)

19. Postweld Heat-Treated _____
List other internal or external pressure with coincident temperature when applicable.

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-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.)

Signed 10/25 19 91 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 Prof. Eng. State Penna. Reg. No. 19370E

and Richard O. Schlueter Prof. Eng. State Penna. Reg. No. 26382E
and Sidney Arthur Copland Prof. Eng. State 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

Inspector's Signature M. S. Schmitt Commissions PA 2056 U15513
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".

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. _____ 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 edges 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 _____ in. Lugs _____ Number _____ Type _____
(9 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)

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

FORM N-2 NPT CERTIFICATE OF DESIGN FOR APPURTENANCE

As required by the Provision of the ASME Code Rules, Section III, Div. 1

ster 15601

Shop Order 85689

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 NPT 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: 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 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 10/4 1991 Signed YARWAY CORPORATION 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 Not Required

Design specifications certified by <u>John R. Schmiedel</u>	PA	Reg. No. <u>19370E</u>
<u>Richard O. Schlueter</u>	PA	Reg. No. <u>26382E</u>
<u>Sidney Arthur Copland</u>	PA	Reg. No. <u>19877E</u>
Stress analysis report certified by <u>George Loos</u>	NJ	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 10/4 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 2345 ANI
Inspector's Signature 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 Main 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

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 1.125 in. Corrosion Allowance 0.125 in. Dia. 12 ft. 0 in. Length 10 ft. 0 in.
(Kind & Spec. No.) (Min. of Range Specified)

5. Seams: Long H.T. R.T. Efficiency 90 %
 Girth H.T. R.T. No. of Courses 1

6. Heads: (a) Material 18-10S-1 (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 edge and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

8. Design pressure 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 _____ in. Lugs _____ Number _____ Type _____
(See 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 1.125 in. Corrosion Allowance 0.125 in. Dia. 12 ft. 0 in. Length 10 ft. 0 in.
(Kind & Spec. No.) (Min. of Range Specified)

12. Seams: Long H.T. R.T. Efficiency 90 %
 Girth H.T. R.T. No. of Courses 1

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 pressure 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)

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

FORM NIS-2 (Back)

9. Remarks SEE ATTACHED DATA REPORTS FOR CODE-STAMPED ITEMS.

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 3/16 19 94
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 7/1/93 to 11/22/93, 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 AN 11
Inspector's Signature FACTORY MUTUAL ENG ASSOC.
National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 2 of 7
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 5 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System MAINSTEAM SYSTEM 183A CLASS 2

5. (a) Applicable Construction Code See Sheet 6 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
6) 1/2" LEAK-OFF PLUG	CARDINAL	HT. CODE F9	N/A	HV141F020	1991	REPLACEMENT	NO
7) 1" GLOBE VALVE	YARWAY	S/N A1293	N/A	LSL-10108-TOP	1976	REPLACED	YES
8) 1" GLOBE VALVE	YARWAY	S/N A7545	N/A	LSL-10108-TOP	1979	REPLACEMENT	YES
9) TWO 1" PIPE PIECES	BECHTEL	N/A	N/A	SP-DBB-105-3-33	1982	REPLACED	NO
10) TWO 1" PIPE PIECES	QUANEX	HEAT NO. 1M6673	N/A	SP-DBB-105-3-33	1986	REPLACEMENT	NO
11) STEM/DISC ASSEMBLY	YARWAY	VALVE S/N 6380	N/A	LSHH-10108-R2	1976	REPLACED	YES
12) STEM/DISC ASSEMBLY	YARWAY	S/N 90-1-2CI-B8	N/A	LSHH-10108-R2	1991	REPLACEMENT	YES
13) BACKSEAT BUSHING	YARWAY	VALVE S/N 6380	N/A	LSHH-10108-R2	1976	REPLACED	YES
14) BACKSEAT BUSHING	YARWAY	S/N 5293-B9	N/A	LSHH-10108-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. Date 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 3 of 7
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 5 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System MAINSTEAM SYSTEM 183A CLASS 2
5. (a) Applicable Construction Code See Sheet 6 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80
6. Identification of Components Repaired or Replaced and Replacement Components

15) STEM/DISC ASSEMBLY	YARWAY	VALVE S/N 6261	N/A	LSL-10112B-R1	1976	REPLACED	YES
16) STEM/DISC ASSEMBLY	YARWAY	S/N 90-1-2LI-A13	N/A	LSL-10112B-R1	1991	REPLACEMENT	YES
17) BACKSEAT BUSHING	YARWAY	VALVE S/N 6261	N/A	LSL-10112B-R1	1976	REPLACED	YES
18) BACKSEAT BUSHING	YARWAY	HT. CODE 5293	N/A	LSL-10112B-R1	1991	REPLACEMENT	YES
19) LEVEL SWITCH	BECHTEL	N/A	N/A	SP-DBB-105-3 LSL 10108	1982	REPLACED	NO
20) LEVEL SWITCH	MERCOID	S/N T28E-115845	N/A	SP-DBB-105-3 LSL 10108	1993	REPLACEMENT	NO
21) LEVEL SWITCH	BECHTEL	N/A	N/A	SP-DBB-103-5 LSL 10112D	1982	REPLACED	NO
22) LEVEL SWITCH	MERCOID	S/N T44D-99478-9	N/A	SP-DBB-103-5 LSL 10112D	N/A	REPLACEMENT	NO
23) LEVEL SWITCH	BECHTEL	N/A	N/A	SP-DBB-103-4 LSHH 10112D	1982	REPLACED	NO
24) LEVEL SWITCH	MERCOID	S/N T28E-11584-5	N/A	SP-DBB-103-4 LSHH 10112D	1993	REPLACEMENT	NO
25) LEVEL SWITCH	BECHTEL	N/A	N/A	SP-DBB-102-5 LSL 10112A	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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101
Address
2. Plant Susquehanna Steam Electric Station Sheet 4 of 7
Name
PO Box 467, Berwick, PA 18603
Address
3. Work Performed by Pennsylvania Power & Light Co. Unit 1: See Sheet 5 For Work Documents
Name
Two North Ninth St., Allentown, PA 18101
Address
- Repair Organization P.O. No., Job No., etc.
 Type Code Symbol Stamp None
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System MAINSTEAM SYSTEM 183A CLASS 2
5. (a) Applicable Construction Code See Sheet 6 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80
6. Identification of Components Repaired or Replaced and Replacement Components

26) LEVEL SWITCH	MERCOID	S/N T44D-99478-9	N/A	SP-DBB-102-5 LSL 10112A	N/A	REPLACEMENT	NO
27) BONNET	ANCHOR DARLING	VALVE S/N E5853-31-1	N/A	HV141F020	1975	REPLACED	YES
28) BONNET	ANCHOR DARLING	S/N 5	N/A	HV141F020	1990	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 2/11/94

Sheet 5 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System MAINSTEAM SYSTEM 183A CLASS 2

5. (a) Applicable Construction Code See Sheet 6 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1,2,3,4	S33846	C93-183-059
5,6	S34064	C93-183-060
7,8,9,10	S24103	C93-183-088
11,12,13,14	S24103	C93-183-092
15,16,17,18	S34387	C93-183-100
19,20	S34571	C93-183-110
21,22	S34581	C93-183-112
23,24	S34596	C93-183-114
25,26	S34595	C93-183-115
27,28	S23899	C93-183-131

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 6 of 7
Address

2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 5 For Work Documents
Name
 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 Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address
Expiration Date N/A

4. Identification of System MAINSTEAM SYSTEM 183A CLASS 2

5. (a) Applicable Construction Code See Sheet 6 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

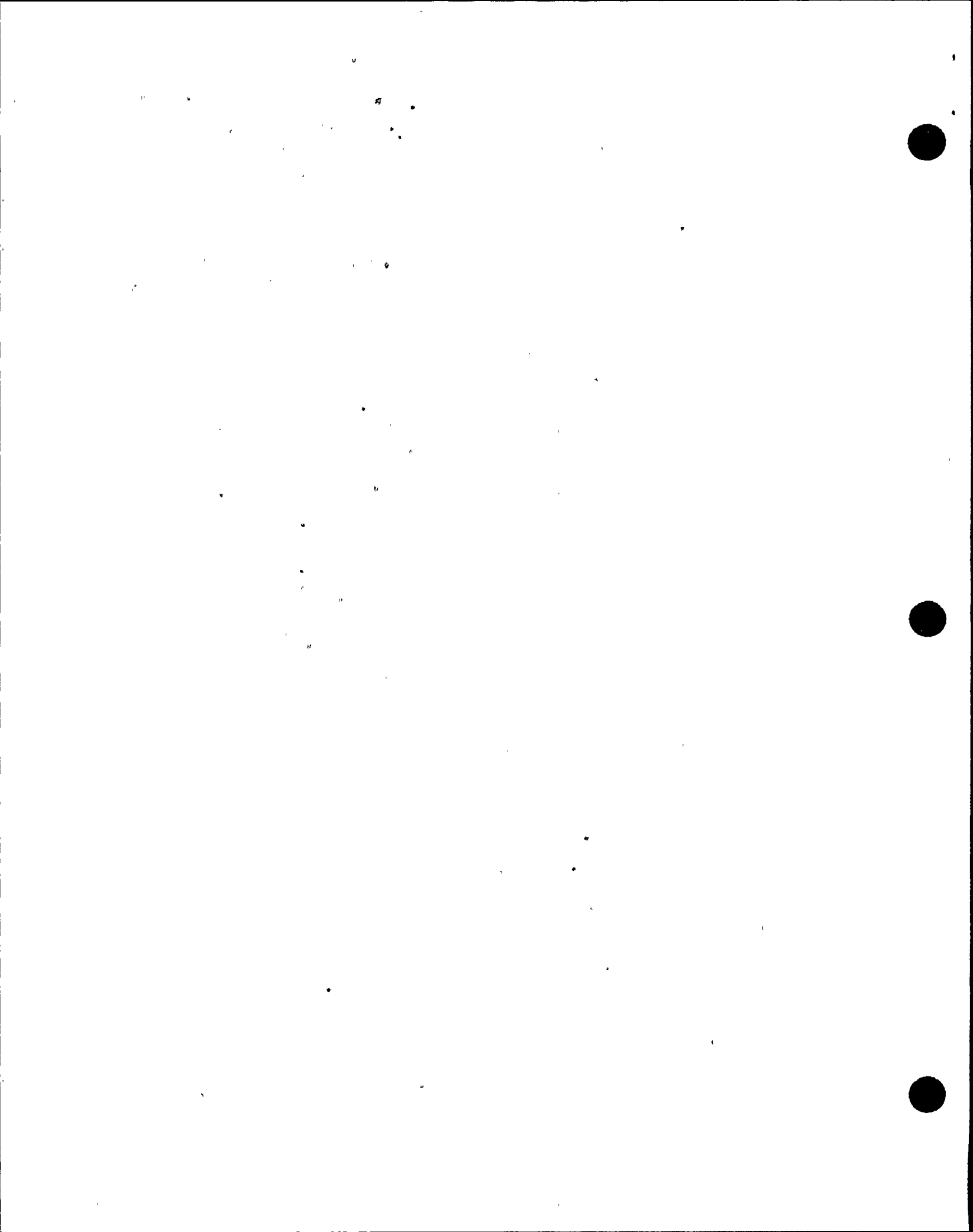
6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,7,11,13,15,17	ASME SECTION III; CLASS 2; 1974 EDITION; W74 ADDENDA
2,8,12,14,16,18	ASME SECTION III; CLASS 1; 1974 EDITION; W74 ADDENDA
3,9,19,21,23,25	ASME SECTION III; CLASS2; 1971 EDITION; W72 ADDENDA
4	ASME SECTION III; CLASS 2; 1989 EDITION; 1990 ADDENDA
5,27	ASME SECTION III; CLASS2; 1971 EDITION; W72 ADDENDA, CODE CASES 1516-1, 1534
6	ASME SECTION III; CLASS 1; 1989 EDITION; 1989 ADDENDA
10	ASME SECTION III; CLASS 2; 1986 EDITION; 1987 ADDENDA
20,22,24,26	ANSI B31.1
28	ASME SECTION III; CLASS1; 1971 EDITION; W72 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> 2/11/94 </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: 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 Stamp <u> None </u> Authorization No. <u> N/A </u> Expiration Date <u> N/A </u>
4. Identification of System <u> MAINSTEAM SYSTEM 183A CLASS 2 </u>	
5. (a) Applicable Construction Code <u> See Sheet 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> 80 thru W80 </u>	
6. Identification of Components Repaired or Replaced and Replacement Components	

Item (s)	Description of Work
1,2,7,8	REPLACE 1" GLOBE VALVE DUE TO LEAKAGE
3,4,9,10	REPLACE CONNECTING PIPING TO 1" GLOBE VALVE
5,6	REPLACE PIPE PLUG ON 3" GB VALVE FOUND LEAKING
11,12,15,16	REMOVE AND REPLACE STEM/DISC ASSEMBLY IN 1" GLOBE VALVE
13,14,17,18	REMOVE AND REPLACE BACKSEAT BUSHING IN 1" GLOBE VALVE
19,20,21,22,23,24,25,26	REMOVE AND REPLACE LEVEL SWITCH
27,28	REPLACE BONNET WITH BONNET WITH NO LEAK-OFF PLUG
Item (s)	Description of Tests
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	NO ASME TESTING REQUIRED
27,28	VT2 DURING SE-100-002; 1020PSIG; 163°F



FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR SERVICE 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)

Owner MISSISSIPPI POWER AND LIGHT COMPANY

3. Location of Plant PORT GIBSON, MISSISSIPPI

4. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE 1"

SERIAL NUMBER(S) B0496 THRU B0520

(Brief description of service for which equipment was designed)

(a) Drawing No. 103271-05 Prepared by YARWAY CORPORATION

(b) National Board No. _____

5. Design Conditions _____ psi _____ °F or Pressure Class 1500 psi (1)
(Pressure) (Temperature)

6. The material, design, construction, and workmanship complies with ASME Code Section III, Class 1

7. 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.

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
(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 *MSY 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
(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	G7, C8	AMS 5385	NOVA/HONMET CORP.	DISC
(b) Forgings	Y8	SA105	CAPE ANN TOOL CO.	BODY
	1683	SA182 Gr. F6A	*CYCLOPS CORP.	BACKSEAT BUSHING

***THIS MATERIAL MEETS THE REQUIREMENTS OF SA182 Gr. F6 1974 WINTER ADDENDA.**

(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 at top of this form.
 3/75 This form (E00037, may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017

FORM NPV-1 (back)

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	NONE			
(d) Other Parts	NONE			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at 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 MISS Reg. No. 6064
 Stress analysis report certified by HAROLD T. 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 JUNE 22 19 79 Signed YARNAY CORPORATION By [Signature]
(Manufacturer) 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 of 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

[Signature] Commission NB 6344 PA 2056
(Inspector) N. S. HEWITT (National Board, State, Province and No.)

FORM N-2 NPT CERTIFICATE HOLDER DATA REPORT FOR NUCLEAR VESSEL APPURTENANCE

As required by the Provision of the ASME Code Rules, Section III, Division 1, Part UG-110, (1999 Edition) and ASME Code Case 1999-1102-2111

Register 15601

Shop Order 83689

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. inance 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 26382E
Sidney Arthur Copland PA 19877E

Stress analysis report certified by George Loos Prof. Eng. State 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 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

S. W. Boston Commissions PA 2313 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 of Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 5, "Remarks".

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

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

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

7. 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)

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

9. 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 _____ in. Number _____ Type _____
 (Dr. 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)

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

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

12. 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.

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

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.)

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 Prof. Eng. State Penna. Reg. No. 19370E
Richard O. Schlueter Prof. Eng. State Penna. Reg. No. 26382E
 and Sidney Arthur Copland Prof. Eng. State 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.

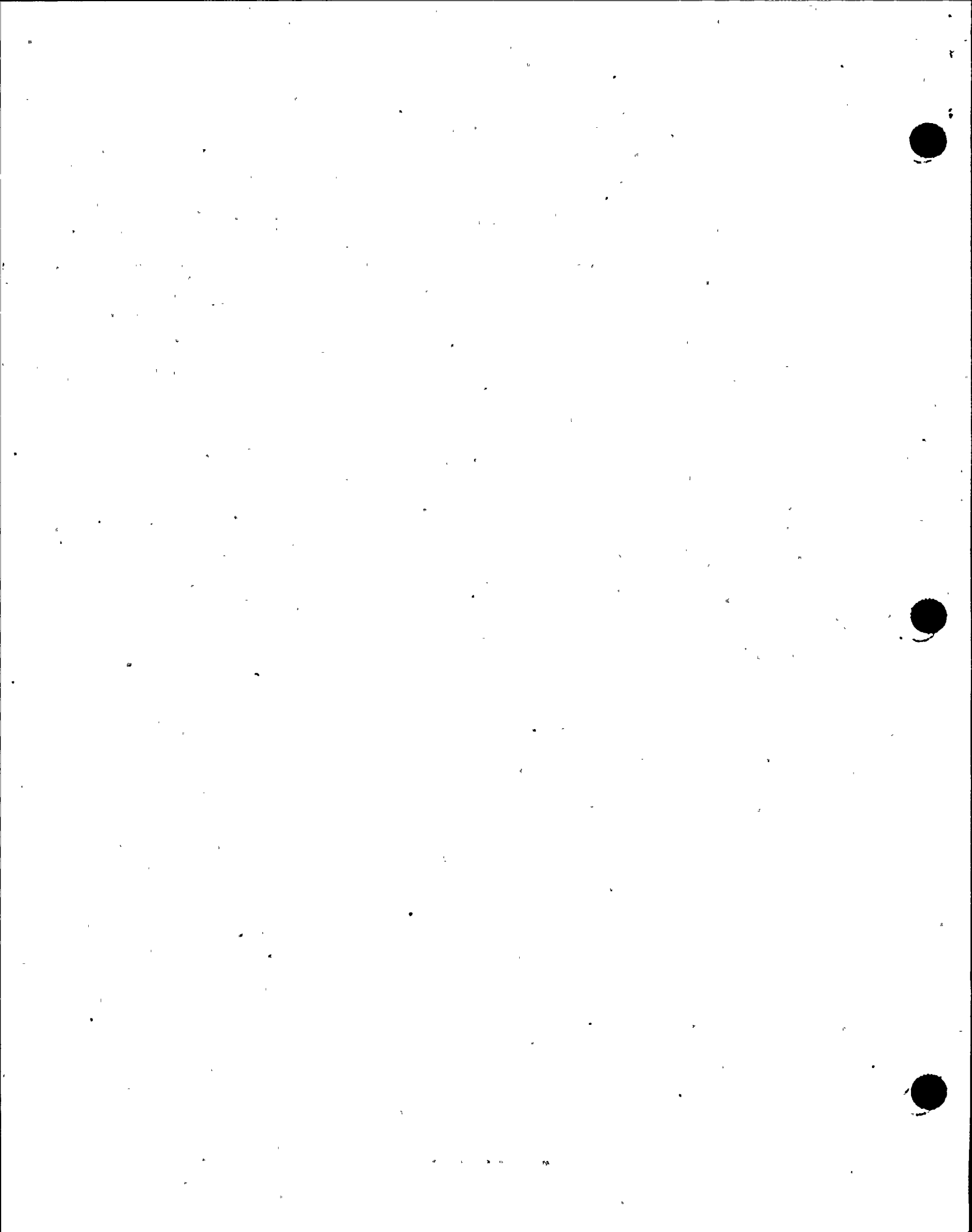
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss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

*Factory Mutual System

Date 10/28 19 91

M. S. Hewitt Inspector's Signature Commissions PA 2056 U18813
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

(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 Street, 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 - 5 Nuc'l Bd. No. N/A

(a) Constructed According to Drawing No. D9567 Drawing Prepared by Anchor/Darling Valve Company

(b) Description of Part Inspected Bonnet; Heat No. 8897880 SA105

(c) Applicable ASME Code Section III, Edition 1971, Addenda date Wnt '72, Case No. N/A Class 1

3. Remarks: 3"-900#-Globe
(Brief description of service for which component was designed)
A/DV Shop Order E-B602-4

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 10/22 19 90 signed Anchor/Darling Valve Co. By R.L. Hammett
(NPT Certificate Holder)

Effective 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. _____

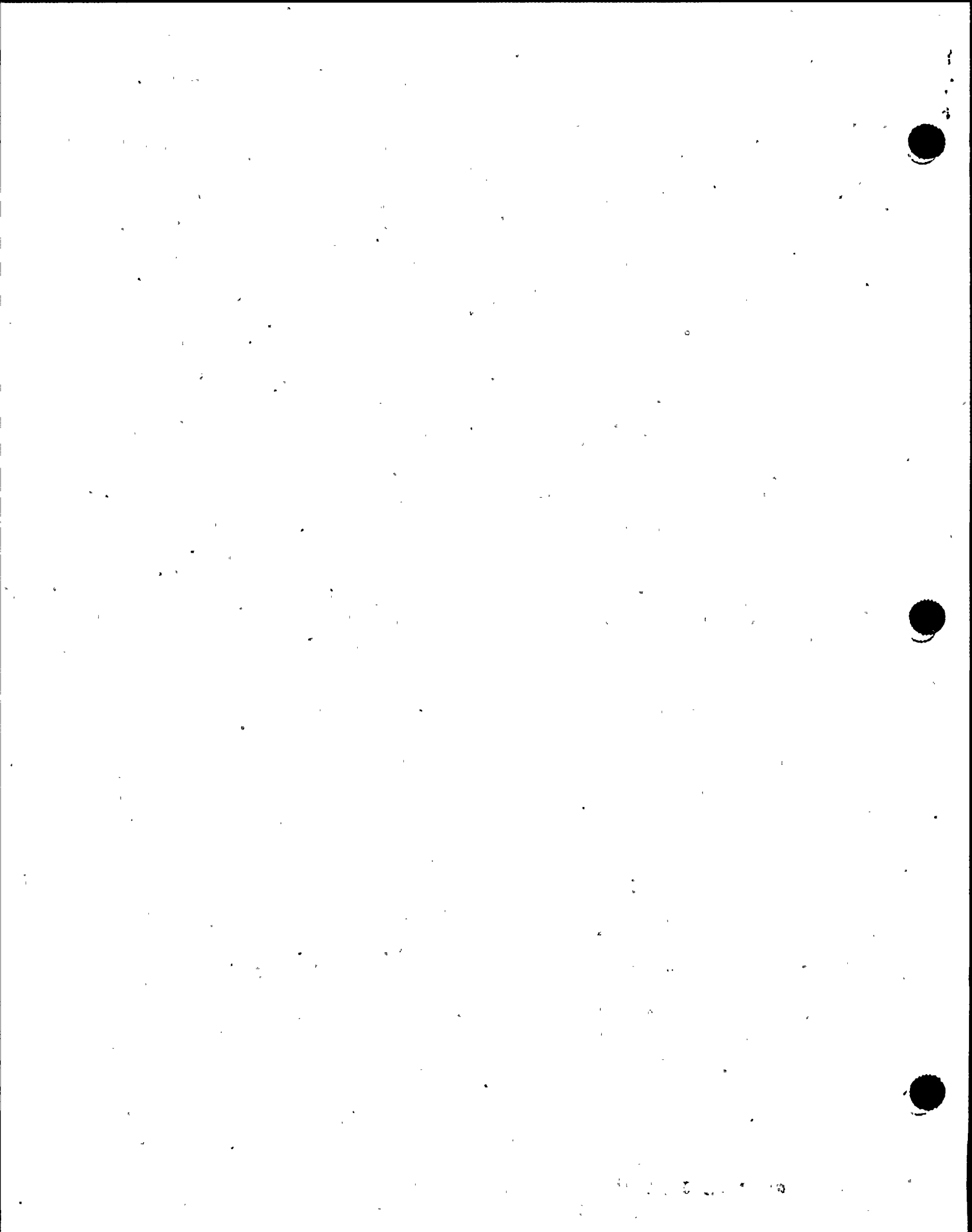
Stress analysis report certified by _____ Prof. Eng. State _____ Reg. No. _____

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 ~~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 on 7-26-90 thru 10-23-90 19 90, 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 10-23 19 90
Charles Yalling Commission Pennsylvania 3392
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.
Name

Date 2/11/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1: Work Authorization # S34789

PO Box 467, Berwick, PA 18603
Address

Code Repair Form # C93-183-160

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

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

Type Code Symbol Stamp None

Two North Ninth St., Allentown, PA 18101
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System RELIEF / SAFETY SYSTEM 183D CLASS 3

5. (a) Applicable Construction Code SECTION III 19 71 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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) LARGE PIPE HANGER SNUBBER	BECHTEL	N/A	N/A	GBC-101-H242	1982	REPAIRED	NO

7. Description of Work REMOVE REAR BRACKET WELD, ROTATE BRACKET 90° PER NCR 93-201, REWELD

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-3 & VT-4
 Other Pressure _____ psi Test Temp. _____ °F VT-93-510

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 3/16, 19 94
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 6/16/93 to 11/4/93, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17, 19 94

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 2/11/94
Name
 Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit 1: Work Authorization # S34789
Name
 PO Box 467, Berwick, PA 18603 Code Repair Form # C93-183-160
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None
Name
 Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System RELIEF / SAFETY SYSTEM 183D CLASS 3

5. (a) Applicable Construction Code SECTION III 19 71 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) LARGE PIPE HANGER SNUBBER	BECHTEL	N/A	N/A	GBC-101-H242	1982	REPAIRED	NO

7. Description of Work REMOVE REAR BRACKET WELD, ROTATE BRACKET 90° PER NCR 93-201, REWELD

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure VT-3 & VT-4
 Other Pressure psi Test Temp. °F VT-93-510

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 3/16, 19 94
Owner or Owner's Designee, Title V.P. - NUCLEAR OPERATIONS

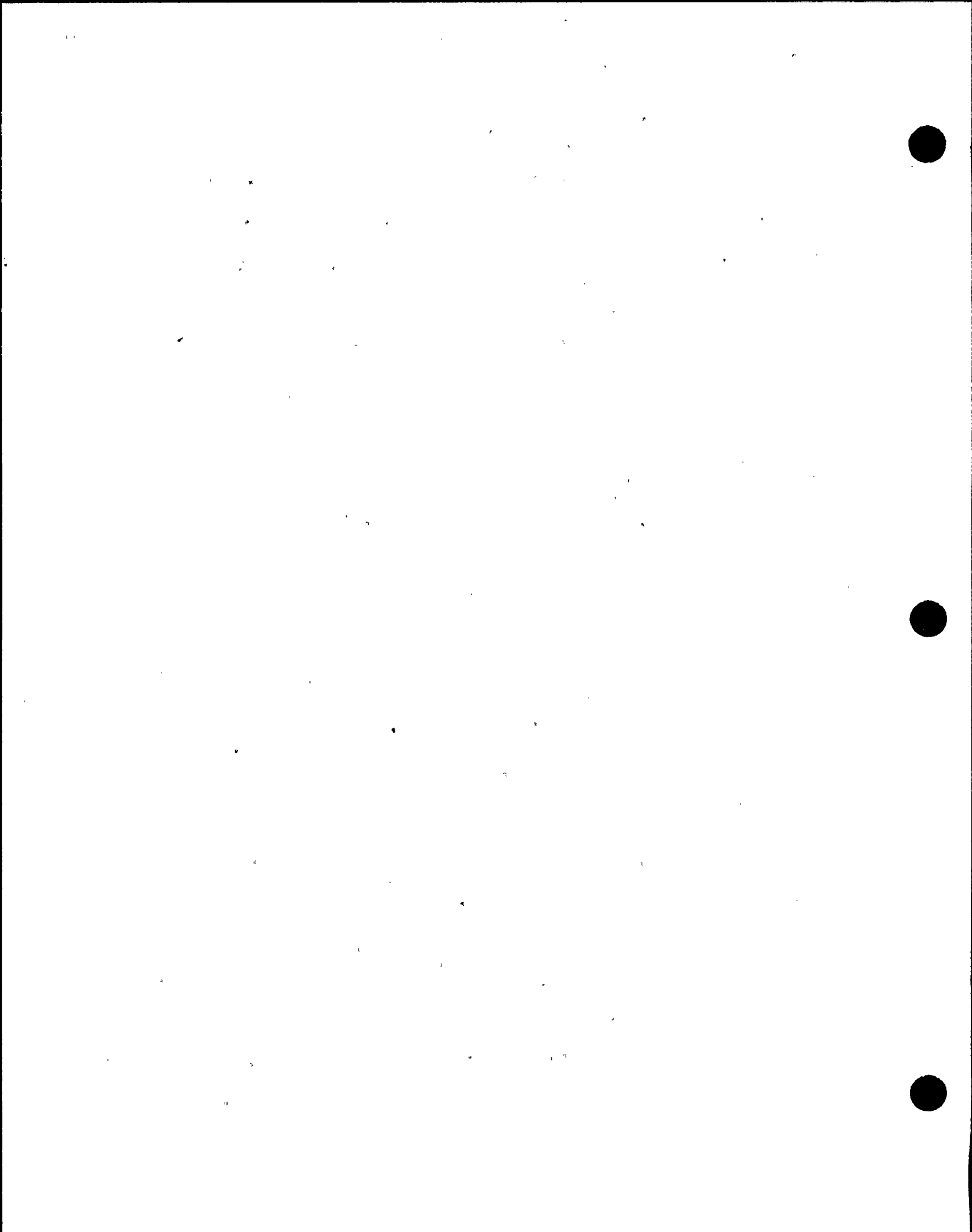
CERTIFICATION OF INSERVICE INSPECTION

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 6/16/93 to 11/4/93, 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 AN 11
Inspector's Signature FACTORY MUTUAL ENG ASSOC.
National Board, State, Province, and Endorsements

Date March 17, 19 94



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 2/11/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 5
Address
2. Plant Susquehanna Steam Electric Station Unit 1: See Sheet 3 For Work Documents
Name
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 Stamp None
Name
Two North Ninth St., Allentown, PA 18101 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System AUTO PRESSURE BLOWDOWN SYSTEM 183E CLASS 3
5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1) EYE ROD ARM END	BECHTEL	N/A	N/A	SP-HCC-132-H18	1982	REPLACED	NO
2) EYE ROD ARM END	GRINNEL	N/A	N/A	SP-HCC-132-H18	1982	REPLACEMENT	NO
3) TWO 3/4" HEX NUTS	BECHTEL	N/A	N/A	SP-HCC-132-H18	1982	REPLACED	NO
4) TWO 3/4" HEX NUTS	TEXAS BOLT	HEAT NO. 46288	N/A	SP-HCC-132-H18	1992	REPLACEMENT	NO
5) TWO 3/4" HEX NUTS	BECHTEL	N/A	N/A	HCC-131-3	1982	REPLACED	NO

7. Description of Work See Last Page
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
 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 3/16 19 94
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 10/20/93 to 10/24/93 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 17 19 94

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS^{2A}
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 2/11/94

Sheet 4 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System AUTO PRESSURE BLOWDOWN SYSTEM 183E CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Applicable Construction Code
1,2,3	ANSI B31.1 - 1967
4	ASME SECTION III; CLASS 1; 1989 EDITION; 1991 ADDENDA
5,7,9,10	ASME SECTION III; CLASS 3; 1971 EDITION; W'72 ADDENDA
6,8	ASME SECTION III; CLASS 1; 1986 EDITION; 1986 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 2/11/94

Sheet 5 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 Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System AUTO PRESSURE BLOWDOWN SYSTEM 183E CLASS 3

5. (a) Applicable Construction Code See Sheet 4 19 Edition, " Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2	REPLACE TOP EYE ROD END OF PIPE SUPPORT
3,4	REPLACE MISSING HEAVY HEX HEAD NUTS ON PIPE SUPPORT
5,6,7,8	REPLACE NUTS LOST DURING DISASSEMBLY
9,10	REPLACED ROD EYE END WITH FAULTY BALL BUSHING IN SWAY STRUT FOR 3" PIPE
Item (s)	Description of Tests
1 THROUGH 10	NO ASME TESTING REQUIRED



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 2/11/94
 Sheet 1 of 3

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

Unit 1: Work Authorization # S23839
Code Repair Form # C93-183-123
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 Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System STEAM FLOW MONITORS 183F CLASS 2

5. (a) Applicable Construction Code Section III 19 71 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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) JAM NUT	BECHTEL	N/A	N/A	DBB-104-H2	1982	REPLACED	NO
2) JAM NUT	GRINNELL	N/A	N/A	DBB-104-H2	1984	REPLACEMENT	NO
3) ROD EYE	BECHTEL	N/A	N/A	DBB-104-H2	1982	REPLACED	NO
4) ROD EYE	GRINNELL	N/A	N/A	DBB-104-H2	1984	REPLACEMENT	NO
5) JAM NUT	BECHTEL	N/A	N/A	DBB-104-H4	1982	REPLACED	NO

7. Description of Work See Last Page

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure See Last Page
 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 3/16, 19 94
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 4/28/02 to 9/19/93, 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 AN 11
Inspector's Signature FACTORY MUTUAL ENG ASSOC.
National Board, State, Province, and Endorsements

Date March 17 19 94

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 2/11/94
Sheet 3 of 3

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

Unit 1: See Sheet 1 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 Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System STEAM FLOW MONITORS 183F CLASS 2

5. (a) Applicable Construction Code See Sheet 1 19 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Description of Work
1,2,5,6,11,12	REPLACED JAM NUTS ON HANGERS, NOTED DURING ISI INSPECTION AND NVT3
3,4,7,8,13,14	REPLACE ROD EYES ON HANGERS, NOTED DURING ISI INSPECTION AND NVT3
9,10	REPLACE LOAD STUD ON HANGER H4, NOTED DURING ISI INSPECTION AND NVT3
Item (s)	Description of Tests
1 THROUGH 14	NO ASME TESTING REQUIRED

FORM R-1, REPORT OF WELDED REPAIR OR ALTERATION
as required by the provisions of the National Board Inspection Code

1. Work performed by Pennsylvania Power and Light See Para. Six Below
(name of repair or alteration organization) (P.O. no., job no., etc.)
Two North Ninth Street, Allentown, Pa. 18101
(address)

2. Owner Pennsylvania Power and Light
(name)
Two North Ninth Street, Allentown, Pa. 18101
(address)

3. Location of installation Susquehanna Steam Electric Station
(name)
P.O. Box 467, Berwick, Pa. 18603
(address)

4. Unit identification: Boiler External Piping Name of original manufacturer B.E. & S. Co.
(boiler, pressure vessel)

5. Identifying nos: 15476 11792 P.A. B11232 0S101A 1975
(mfr's serial no.) (original National Board no.) (jurisdiction no.) (other) (year built)

6. Description of work: (use back, separate sheet, or sketch if necessary)
1) Grind And Weld Build-Up on Electrode Bushings to Eliminate Leakage., WA # S20901, Code Repair # C92-027-175
2) Machine, Grind, and Weld Electrode Bushings to Eliminate Leakage.; WA # S30538, Code Repair # C93-027-033
3) Cut out shop welds 8 & 9 to remove Union on SP-GBH-5-2, Replace Union and make field welds 8A & 9A;
WA # S23425, Code Repair # C92-099-092

Pressure test, if applied _____ psi

7. Replacement Parts. Attached are Manufacturers' Partial Data Reports properly identified and signed by Authorized Inspectors for the following items of this report
3) S.W. Pipe Union: Heat Code CL41, MFGR Capitol Pipe&Steel, RIR 85-734, YR. 1985.
(name of part item number mfr's name and identifying stamp)

8. Remarks: N/A

DESIGN CERTIFICATION

The undersigned certifies that the statements made in this report are correct and that the design changes described in this report conform to the requirements of the National Board Inspection Code.

ASME Certificate of Authorization no. _____ to use the _____ symbol expires _____, 19____.

Date _____, 19____ Signed _____
(name of organization) (authorized representative)

CERTIFICATE OF REVIEW OF DESIGN CHANGE

The undersigned, holding a valid Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the state or province of _____ and employed by _____ of _____ has examined the design change as described in this report and verifies that to the best of his knowledge and belief such change complies with the applicable requirements of the National Board Inspection Code. By signing this certificate, neither the undersigned nor his employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection, except such liability as may be provided in a policy of insurance which the undersigned's insurance company may issue upon said object and then only in accordance with the terms of said policy.

Date _____, 19____ Signed _____ Commissions _____
(Authorized Inspector) (National Board (incl. endorsements), state, prov., and no.)

CONSTRUCTION CERTIFICATION

The undersigned certifies that the statements made in this report are correct and that all construction and workmanship on this _____ REPAIR _____ conform to the National Board Inspection Code.
(repair or alteration)

Certificate of Authorization no. _____ N/A _____ to use the _____ N/A _____ symbol expires _____ N/A _____, 19____.

Date MARCH 16, 19 94 Signed _____
PENNSYLVANIA POWER & LIGHT CO. (name of alteration organization) (authorized representative)

CERTIFICATE OF INSPECTION

The undersigned, holding a valid Commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the state or province of _____ PENNSYLVANIA _____ and employed by _____ ARKWRIGHT MUTUAL INSURANCE CO. _____ of _____ WALTHAM, MASS. _____ has inspected the work described in this report on _____ 5/14 _____, 19 93 and state that to the best of my knowledge and belief this work has been done in accordance with the National Board Inspection Code. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection, except such liability as may be provided in a policy of insurance which the undersigned's insurance company may issue upon said object and then only in accordance with the terms of said policy.

Date MAR 17, 19 94 Signed _____ Commissions NB 3786 PA 4624619
(Authorized Inspector) (National Board (incl. endorsements), state, prov., and no.)

FORM R-1, REPORT OF WELDED REPAIR OR ALTERATION
as required by the provisions of the National Board Inspection Code

1. Work performed by Pennsylvania Power and Light See Para. Six Below
(name of repair or alteration organization) (P.O. no., job no., etc.)
Two North Ninth Street, Allentown, Pa. 18101
(address)

2. Owner Pennsylvania Power and Light
(name)
Two North Ninth Street, Allentown, Pa. 18101
(address)

3. Location of installation Susquehanna Steam Electric Station
(name)
P.O. Box 467, Berwick, Pa. 18603
(address)

4. Unit Identification: Boiler External Piping Name of original manufacturer B.E. & S. Co.
(boiler, pressure vessel)

5. Identifying nos: 15477 11793 P.A. B111233 0S101B 1975
(mfr's serial no.) (original National Board no.) (jurisdiction no.) (other) (year built)

6. Description of work: _____
(use back, separate sheet, or sketch if necessary)

1) Machine and Grind Electrode Bushings, WA # S33712, Code Repair # C93-027-053

_____ Pressure test, if applied _____ psi

7. Replacement Parts. Attached are Manufacturers' Partial Data Reports properly identified and signed by Authorized Inspectors for the following items of this report

N/A

(name of part, item number, mfr's. name and identifying stamp)

8. Remarks: N/A

DESIGN CERTIFICATION

The undersigned certifies that the statements made in this report are correct and that the design changes described in this report conform to the requirements of the National Board Inspection Code.

ASME Certificate of Authorization no. _____ to use the _____ symbol expires _____, 19____.

Date _____, 19____ Signed _____
(name of organization) (authorized representative)

CERTIFICATE OF REVIEW OF DESIGN CHANGE

The undersigned, holding a valid Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the state or province of _____ and employed by _____ of _____ has examined the design change as described in this report and verifies that to the best of his knowledge and belief such change complies with the applicable requirements of the National Board Inspection Code. By signing this certificate, neither the undersigned nor his employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection, except such liability as may be provided in a policy of insurance which the undersigned's insurance company may issue upon said object and then only in accordance with the terms of said policy.

Date _____, 19____ Signed _____ Commissions _____
(Authorized Inspector) (National Board (incl. endorsements), state, prov., and no.)

CONSTRUCTION CERTIFICATION

The undersigned certifies that the statements made in this report are correct and that all construction and workmanship on this REPAIR conform to the National Board Inspection Code.
(repair or alteration)

Certificate of Authorization no. N/A to use the N/A symbol expires N/A, 19____

Date MARCH 16, 1994 PENNSYLVANIA POWER & LIGHT CO. Signed [Signature]
(name of alteration organization) (authorized representative)

CERTIFICATE OF INSPECTION

The undersigned, holding a valid Commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the state or province of PENNSYLVANIA and employed by ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASS. has inspected the work described in this report on 6/30, 1993 and state that to the best of my knowledge and belief this work has been done in accordance with the National Board Inspection Code. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection, except such liability as may be provided in a policy of insurance which the undersigned's insurance company may issue upon said object and then only in accordance with the terms of said policy.

Date March 17, 1994 Signed [Signature] Commissions NB7866 PA WC 24619
(Authorized Inspector) (National Board (incl. endorsements), state, prov., and no.)

FORM R-1, REPORT OF WELDED REPAIR OR ALTERATION
as required by the provisions of the National Board Inspection Code

1. Work performed by Pennsylvania Power and Light See Para. Six Below
(name of repair or alteration organization) (P.O. no., Job no., etc.)
Two North Ninth Street, Allentown, Pa. 18101
(address)

2. Owner Pennsylvania Power and Light
(name)
Two North Ninth Street, Allentown, Pa. 18101
(address)

3. Location of installation Susquehanna Steam Electric Station
(name)
P.O. Box 467, Berwick, Pa. 18603
(address)

4. Unit identification: Boiler External Piping Name of original manufacturer B.E. & S. Co.
(boiler, pressure vessel)

5. Identifying nos: 700469 142223 PA 469442 0S344A 1979
(mfr's serial no.) (original National Board no.) (jurisdiction no.) (other) (year built)

6. Description of work: _____
(use back, separate sheet, or sketch if necessary)

1) After Building-Up by Welding, Grind, Drill, and Tap Radwaste Chiller Condenser to Replace Drain Plug Which Blew Out
Due To Corroded Threads; WA # S33673, Code Repair # C93-099-032

Pressure test, if applied _____ psi

7. Replacement Parts. Attached are Manufacturers' Partial Data Reports properly identified and signed by Authorized Inspectors for the
following items of this report
N/A

(name of part, item number, mfr's name and identifying stamp)

8. Remarks: N/A

DESIGN CERTIFICATION

The undersigned certifies that the statements made in this report are correct and that the design changes described in this report conform to the requirements of the National Board Inspection Code.

ASME Certificate of Authorization no. _____ to use the _____ symbol expires _____, 19____.

Date _____, 19____ Signed _____
(name of organization) (authorized representative)

CERTIFICATE OF REVIEW OF DESIGN CHANGE

The undersigned, holding a valid Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the state or province of _____ and employed by _____ of _____ has examined the design change as described in this report and verifies that to the best of his knowledge and belief such change complies with the applicable requirements of the National Board Inspection Code. By signing this certificate, neither the undersigned nor his employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection, except such liability as may be provided in a policy of insurance which the undersigned's insurance company may issue upon said object and then only in accordance with the terms of said policy.

Date _____, 19____ Signed _____ Commissions _____
(Authorized Inspector) (National Board (incl. endorsements), state, prov., and no.)

CONSTRUCTION CERTIFICATION

The undersigned certifies that the statements made in this report are correct and that all construction and workmanship on this REPAIR conform to the National Board Inspection Code.
(repair or alteration)

Certificate of Authorization no. N/A to use the N/A symbol expires N/A, 19____

Date MARCH 16, 19 94 Signed [Signature]
PENNSYLVANIA POWER & LIGHT CO.
(name of alteration organization) (authorized representative)

CERTIFICATE OF INSPECTION

The undersigned, holding a valid Commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the state or province of PENNSYLVANIA and employed by ARKWRIGHT MUTUAL INSURANCE CO. of WALTHAM, MASS. has inspected the work described in this report on 5/13, 1993 and state that to the best of my knowledge and belief this work has been done in accordance with the National Board Inspection Code. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection, except such liability as may be provided in a policy of insurance which the undersigned's insurance company may issue upon said object and then only in accordance with the terms of said policy.

Date May 17, 19 94 Signed [Signature] Commissions NB7866 PA WC 24619
(Authorized Inspector) (National Board (incl. endorsements), state, prov., and no.)

SNUBBER REPLACEMENT

NIS-2 FORMS

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 02/08/94
 Sheet 1 of 1

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

Unit 1
 E&S Cons/WA # S13957
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name
Address

Type Code Symbol Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System SUS 149A RHR Class 2

5. (a) Applicable Construction Code ASME III 19 71 Edition, W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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 Pivot Pin	Grinnell	Item # 6 *(1)	N/A	GBB-109-H33B	*(1)	Replaced	No
1 Pivot Pin	Grinnell	Item # 6 *(1)	N/A	GBB-109-H33B	*(1)	Replacement	No

* NOTE (1): Serial/Heat Number and Year Built not available.

7. Description of Work Replaced part with sufficient replacement part.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 3/15, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 16 19 94

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 02/08/94
 Sheet 1 of 1

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

Unit 1
 E&S Cons/WA # C33584
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name
Address

Type Code Symbol Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System SUS 149A Div I LPCI/SDC RHR Class 2

5. (a) Applicable Construction Code ASME III 19 80 Edition, Thru W'81 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	25301	N/A	GBB-109-H38	1982	Replaced	No
Mech Shock Arrestor	Pacific Scientific	2644	N/A	GBB-109-H38	1977	Replacement	No

7. Description of Work Replaced existing snubber with same size, functionally tested replacement snubber.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 PA.24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/08/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # Y20487
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 150B RCIC Stm Supply Class 1

5. (a) Applicable Construction Code ASME III 19 80 Edition, Thru W'81 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	12181	N/A	SPDBA-105-H2001	1980	Replaced	No
Mech Shock Arrestor	Pacific Scientific	12200	N/A	SPDBA-105-H2001	1980	Replacement	No

7. Description of Work Replaced existing snubber with same size, functionally tested replacement snubber.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Exempt 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 2/24 .19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 PA.WC.24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/08/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address

2. Plant Susquehanna Steam Electric Station Unit 1
Name E&S Cons/WA # S35000
PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.
Address

3. Work Performed by Owner Type Code Symbol Stamp None
Name Authorization No. N/A
Address Expiration Date N/A

4. Identification of System SUS 152A HPCI Stm Dsch Class 2

5. (a) Applicable Construction Code ASME III- 19 80 Edition, Thru W'81 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	3476	N/A	EBB-102-H15	1978	Replaced	No
Mech Shock Arrestor	Pacific Scientific	4583	N/A	EBB-102-H15	1978	Replacement	No

7. Description of Work Replaced existing snubber with same size functionally tested replacement snubber.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 PA.WC.24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 2/24 . 19 94
Owner or Owner's Designee, Title VP-Plant 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 September 25, 1993 to January 12, 1994, 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 March 1 1994

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 02/08/94
 Sheet 1 of 1

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

Unit 1
 E&S Cons/WA # Y20476
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name
Address

Type Code Symbol Stamp None
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System SUS 161B RWCU Class 2

5. (a) Applicable Construction Code ASME III 19 80 Edition, Thru W'81 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	14789	N/A	DBB-122-H24	1983	Replaced	No
Mech Shock Arrestor	Pacific Scientific	2134	N/A	DBB-122-H24	1977	Replacement	No

7. Description of Work Replaced existing snubber with same size functionally tested replacement snubber.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24 .19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 24612 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/14/94

Sheet 1 of 3

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

Unit 1

E&S Cons/WA # see sheet 3 of 3
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name
Address

Type Code Symbol Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 162A Vessel Spider Class 1

5. (a) Applicable Construction Code ASME III 19 80 Edition, Thru W'81 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Item 1 Mech Shock Arrestor	Pacific Scientific	13670	N/A	DCA-111-H11	1982	Replaced	No
Item 2 Mech Shock Arrestor	Pacific Scientific	8697	N/A	DCA-111-H11	1980	Replacement	No
Item 3 Mech Shock Arrestor	Pacific Scientific	3178	N/A	MST-22-H20	1978	Replaced	No
Item 4 Mech Shock Arrestor	Pacific Scientific	8605	N/A	MST-22-H20	1981	Replacement	No

NOTE *(1): Serial/Heat number and year built not available.

7. Description of Work Replaced existing snubber with same size functionally tested replacement snubber.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Exempt 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 2/24, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 PA WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/11/94
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 Repair Organization P.O. No., Job No., etc.
Address

3. Work Performed by Owner Type Code Symbol Stamp None
Name
Address Authorization No. N/A
 Expiration Date N/A

4. Identification of System SUS 162A Vessel Spider Class 1

5. (a) Applicable Construction Code ASME III 19 80 Edition, W '81 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1	H20442	N/A
2	H20442	N/A
3	S34731	N/A
4	S34731	N/A
5	Y20474	N/A
6	Y20474	N/A
7	Y20475	N/A
8	Y20475	N/A
9	Y20475	N/A
10	Y20475	N/A
11	Y20457	N/A
12	Y20457	N/A



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

1. Owner Pennsylvania Power & Light Co.
Name

Date 02/08/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # Y20471
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 164B Recirc/RWCU Suct Class 1

5. (a) Applicable Construction Code ASME III 19 80 Edition, Thru W'81 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	3430	N/A	SPDCA-102-H20	1978	Replaced	No
Mech Shock Arrestor	Pacific Scientific	3597	N/A	SPDCA-102-H20	1978	Replacement	No

7. Description of Work Replaced existing snubber with same size functionally tested replacement snubber.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 Jel [Signature] Date 2/24 .19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/08/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # C23480
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 183A Main Steam Class 2

5. (a) Applicable Construction Code ASME III 19 80 Edition, Thru W'81 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	670	N/A	DBB-101-H10A	1979	Replaced	No
Mech Shock Arrestor	Pacific Scientific	9451	N/A	DBB-101-H10A	1982	Replacement	No
Mech Shock Arrestor	Pacific Scientific	2026	N/A	DBB-101-H10B	1978	Replaced	No
Mech Shock Arrestor	Pacific Scientific	2808	N/A	DBB-101-H10B	1978	Replacement	No

7. Description of Work Replaced existing snubber with size 35, functionally tested replacement snubbers
 as instructed in DCP 92-3020B.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24 .19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/08/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # S34782
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 183D Main Steam Lines & Relief Lines Inside Containment Class 3

5. (a) Applicable Construction Code ASME III 19 80 Edition, Thru W'81 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	2834	N/A	GBC-101-H162	1978	Replaced	No
Mech Shock Arrestor	Pacific Scientific	8635	N/A	GBC-101-H162	1981	Replacement	No

7. Description of Work Replaced existing snubber with same size functionally tested replacement snubber.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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. WC24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/08/94
Sheet 1 of 1

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

Unit 1
E&S Cons/WA # Y20458
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name
Address

Type Code Symbol Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System SUS 183E ADS & Steam Relief Class 3

5. (a) Applicable Construction Code ASME III 19 80 Edition, Thru W'81 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	21091	N/A	SPHCC-138-H2008	1981	Replaced	No
Mech Shock Arrestor	Pacific Scientific	16396	N/A	SPHCC-138-H2008	1980	Replacement	No

7. Description of Work Replaced existing snubber with same size, functionally tested replacement snubber.
as instructed in DCP 92-3020B.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Exempt 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 2/24 .19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/08/94

Two North Ninth St., Allentown, PA 18101.
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # C23479
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 192A SSE Effecting Main Steam ANSI B31.1 Portion

5. (a) Applicable Construction Code ASME III 19 80 Edition, W'81 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	169	N/A	EBD-113-H4	1979	Replaced	No
Mech Shock Arrestor	Pacific Scientific	168	N/A	EBD-113-H4	1979	Replacement	No

7. Description of Work Replaced existing snubber with same size, functionally tested replacement snubber

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1, 1994

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 02/14/94

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

E&S Cons/WA # C23480
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 1930 Main Turbine Steam ANSI B31.1 Portion

5. (a) Applicable Construction Code ASME III 19 80 Edition, W'81 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	1637	N/A	MSL-100-H11A	1989	Replaced	No
Mech Shock Arrestor	Pacific Scientific	8628	N/A	MSL-100-H11A	1981	Replacement	No
Mech Shock Arrestor	Pacific Scientific	2400	N/A	MSL-100-H11B	1981	Replaced	No
Mech Shock Arrestor	Pacific Scientific	968	N/A	MSL-100-H11B	1977	Replacement	No

7. Description of Work Replaced existing snubbers with size 35, functionally tested replacement snubbers
as instructed in DCP 92-3020B.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Exempt 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 2/24 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 2/24 .19 94
Owner, or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements
Date March 1 1994

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 02/11/94
 Sheet 2 of 2

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

Unit 1
 E&S Cons/WA # C33219
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name
Address

Type Code Symbol Stamp None
 Authorization No. N/A
 Expiration Date N/A

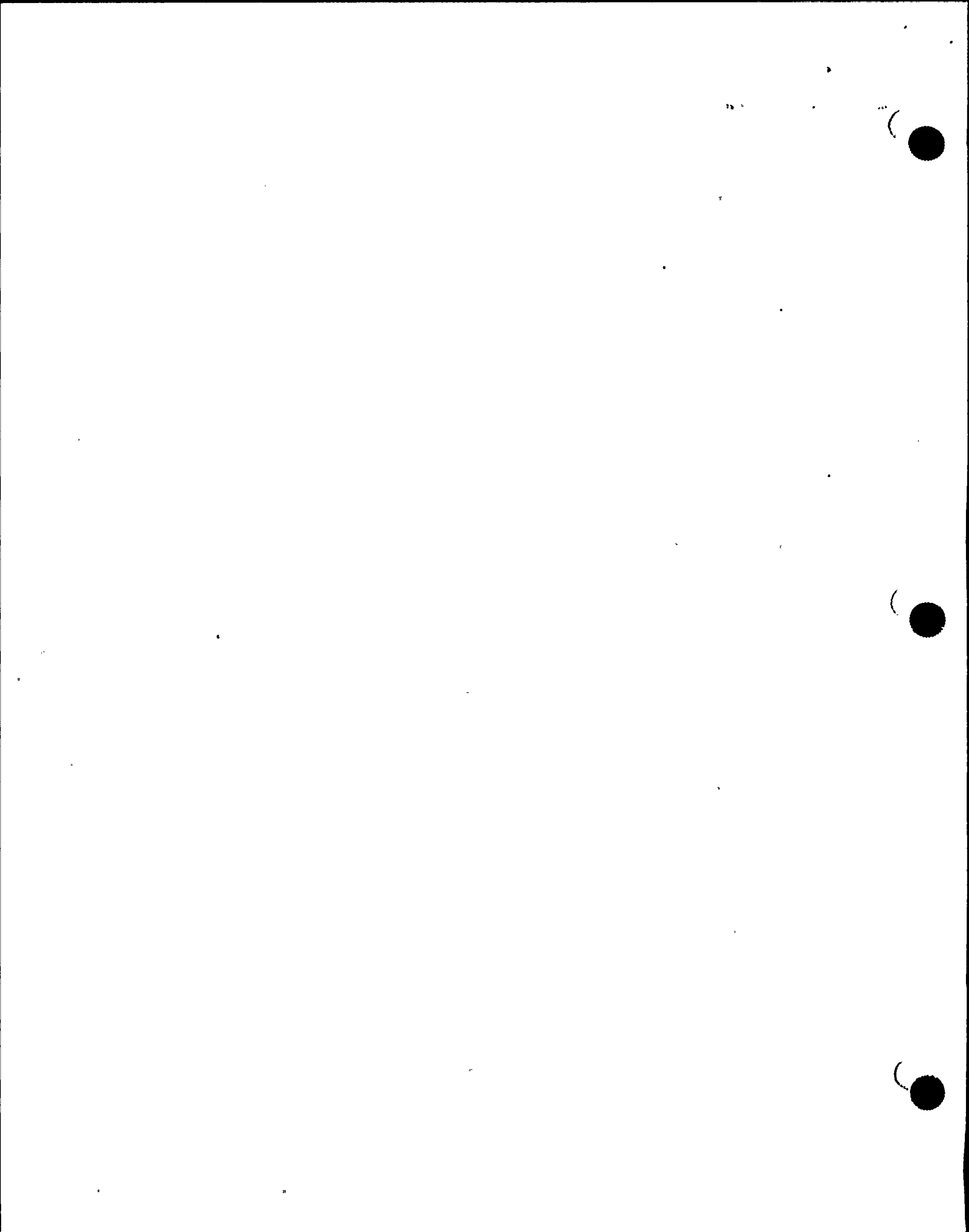
4. Identification of System SUS 145A FW RFP A Disch ANSI B31.1 Portion

5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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 Clamp	Grinnell	Item #12 *(1)	N/A	DBD-105-H14B	*(1)	Replaced	No
1 Clamp	Grinnell	Item #12 *(1)	N/A	DBD-105-H14B	*(1)	Replacement	No
1 Load Stud	Grinnell	Item #13 *(1)	N/A	DBD-105-H14B	*(1)	Replaced	No
1 Load Stud	Grinnell	Item #13 *(1)	N/A	DBD-105-H14B	*(1)	Replacement	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	DBD-105-H14B	*(1)	Replaced	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	DBD-105-H14B	*(1)	Replacement	No

* NOTE (1): Serial/Heat number and year built not available.



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 02/08/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # C33218
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 145A FW RFP Discharge ANSI B31.1 Portion

5. (a) Applicable Construction Code ASME III 19 71 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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 End Paddle	Grinnell	Item # 2 *(1)	N/A	DBD-101-H36A	*(1)	Replaced	No
1 End Paddle	Grinnell	Item # 2 *(1)	N/A	DBD 101-H36A	*(1)	Replacement	No

* NOTE (1): Serial/Heat Number and Year Built not available

7. Description of Work Replaced part with sufficient replacement part.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24 . 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 March 1 1994

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 01/11/94

Sheet 1 of 1

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

Unit 1

E&S Cons/WA # S33918
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name
Address

Type Code Symbol Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 145A FW RFP A Disch ANSI B31.1 Portion

5. (a) Applicable Construction Code ASME III 19 71 Edition, W'72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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 Load Stud	Grinnell	Item #13 *(1)	N/A	DBD-101-H46	*(1)	Replaced	No
1 Load Stud	Grinnell	Item #13 *(1)	N/A	DBD-101-H46	*(1)	Replacement	No
1 Tapered Pin	Grinnell	Item #312 *(1)	N/A	DBD-101-H46	*(1)	Replaced	No
1 Tapered Pin	Grinnell	Item #312 *(1)	N/A	DBD-101-H46	*(1)	Replacement	No
1 Rod Eye Assembly	Grinnell	Item #11 *(1)	N/A	DBD-101-H53B	*(1)	Replaced	No
1 Rod Eye Assembly	Grinnell	Item #11 *(1)	N/A	DBD-101-H53B	*(1)	Replacement	No

*NOTE (1): Serial/Heat number and year built not available.

7. Description of Work Replaced parts with sufficient replacement parts.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Exempt 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 2/24 '94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/08/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # C33219
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 145A FW RFP A Disch ANSI B31.1 Portion

5. (a) Applicable Construction Code ASME III 19 71 Edition, Thru W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Sway Strut	Grinnell	None	N/A	DBD-105-H14A	*(1)	Replaced	No
Mech Shock Arrestor	Pacific Scientific	8695	N/A	DBD-105-H14A	1980	Replacement	No
Sway Strut	Grinnell	None	N/A	DBD-105-H14B	*(1)	Replaced	No
Mech Shock Arrestor	Pacific Scientific	8710	N/A	DBD-105-H14B	1980	Replacement	No

* NOTE (1): Year Built not available

7. Description of Work Replaced existing sway struts with size 10/306 functionally tested replacement snubbers as instructed in DCP 92-3020C.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 PA WC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994 94

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 02/08/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # C33218
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 145A FW Disch (Common) ANSI B31.1 Portion

5. (a) Applicable Construction Code ASME III 19 80 Edition, Thru W'81 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Mech Shock Arrestor	Pacific Scientific	149	N/A	DBD-101-H41	1976	Replaced	No
Mech Shock Arrestor	Pacific Scientific	8622	N/A	DBD-101-H41	1981	Replacement	No

7. Description of Work Replaced existing snubber with size 35 functionally tested replacement snubber as instructed in DCP 92-3020C.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24 .19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994 94

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 01/11/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # S34854 Item 1 & C33213 Item 2
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 152A HPCI Class 2

5. (a) Applicable Construction Code ASME III 19 71 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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)
Item 1 1 Rod Eye Assembly	Grinnell	Item # 11 *(1)	N/A	HBB-107-H2B	*(1)	Replaced	N/A
1 Rod Eye Assembly	Grinnell	Item # 11 *(1)	N/A	HBB-107-H2B	*(1)	Replacement	N/A
Item 2 1 Load Stud	Grinnell	Item #13 *(1)	N/A	DBB-120-H24	*(1)	Replaced	No
1 Load Stud	Grinnell	Item #13 *(1)	N/A	DBB-120-H24	*(1)	Replacement	No

NOTE (1): Serial/Heat Number and year built not available.

7. Description of Work Replaced part with sufficient replacement part.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Exempt 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 2/24, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 March 1 1994

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 02/14/94

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

E&S Cons/WA # Y20479
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 161B RWCU Class 1

5. (a) Applicable Construction Code ASME III 19 71 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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 Load Stud	Grinnell	Item # 13 *(1)	N/A	DBA-101-H10	*(1)	Replaced	No
1 Load Stud	Grinnell	Item # 13 *(1)	N/A	DBA-101-H10	*(1)	Replacement	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	DBA-101-H10	*(1)	Replaced	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	DBA-101-H10	*(1)	Replacement	No

NOTE *(1): Serial/Heat number and year built not available.

7. Description of Work Replaced parts with sufficient replacement parts.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24, 19 94
Owner or Owner's Designee, Title VP-Huc 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 September 25, 1993 to January 12, 1994, 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 W.C. 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/11/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 2 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # Y20479
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 161 B RWCU Class 1

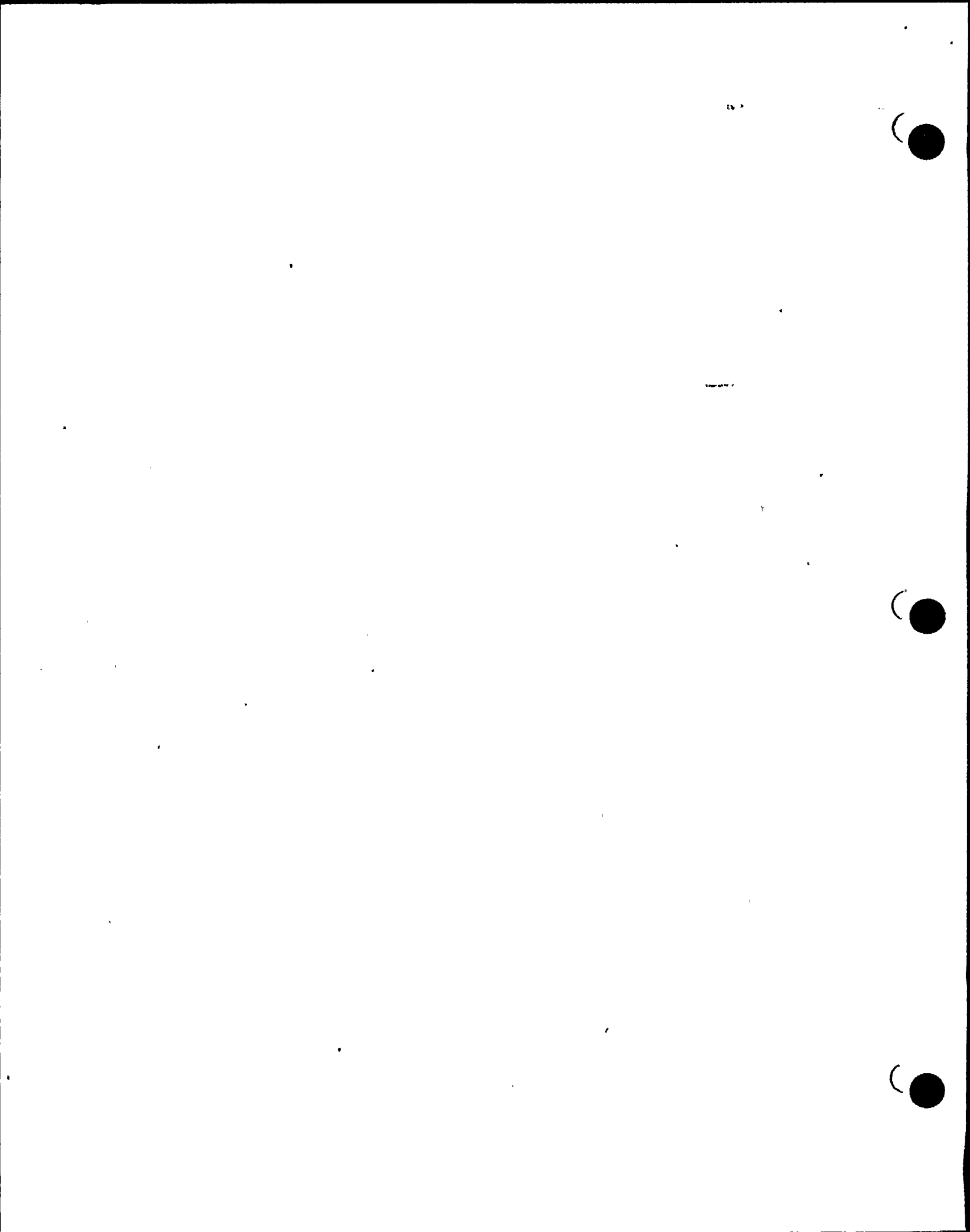
5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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 Load Stud	Grinnell	Item #13 *(1)	N/A	DBA-101-H8	*(1)	Replaced	No
1 Load Stud	Grinnell	Item #13 *(1)	N/A	DBA-101-H8	*(1)	Replacement	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	DBA-101-H8	*(1)	Replaced	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	DBA101-H8	*(1)	Replacement	No
1 Load Stud	Grinnell	Item #13 *(1)	N/A	DBA-101-H15	*(1)	Replaced	No
1 Load Stud	Grinnell	Item #13 *(1)	N/A	DBA-101-H15	*(1)	Replacement	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	DBA-101-H15	*(1)	Replaced	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	DBA-101-H15	*(1)	Replacement	No

* NOTE (1): Serial/Heat number and year built not available.



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 02/08/94
Name
Two North Ninth St., Allentown, PA 18101 Sheet 1 of 1
Address
 2. Plant Susquehanna Steam Electric Station Unit 1
Name E&S Cons/WA # S34731
PO Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc.
Address
 3. Work Performed by Owner Type Code Symbol Stamp None
Name Authorization No. N/A
Address Expiration Date N/A

4. Identification of System SUS 162A Vessel Main Steam Class 1
 5. (a) Applicable Construction Code ASME III 19 71 Edition, W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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 Rod Eye Assembly	Grinnell	Item # 11 *(1)	N/A	MST-22-H20	*(1)	Replaced	No
1 Rod Eye Assembly	Grinnell	Item # 11 *(1)	N/A	MST-22-H20	*(1)	Replacement	No

* NOTE(1): Serial/Heat Number and Year Built not available.

7. Description of Work Replaced part with sufficient replacement part as instructed in NCR 93-179.
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 WIC 24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/14/94

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

E&S Cons/WA # Y20470
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 164B Recirc/RWCU Class 1

5. (a) Applicable Construction Code ASME III 19 71 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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 Load Stud	Grinnell	Item # 13 *(1)	N/A	DCA-102-H3	*(1)	Replaced	No
1 Load Stud	Grinnell	Item # 13 *(1)	N/A	DCA-102-H3	*(1)	Replacement	No
2 Heavy Hex Nuts	Grinnell	Item # 14 *(1)	N/A	DCA-102-H3	*(1)	Replaced	No
2 Heavy Hex Nuts	Grinnell	Item # 14 *(1)	N/A	DCA-102-H3	*(1)	Replacement	No

NOTE *(1): Serial/Heat number and year built not available.

7. Description of Work Replaced parts with sufficient replacement parts.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Exempt 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 2/24 .19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 PA.WC.24619 AN11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/11/94

Two North Ninth St., Allentown, PA 18101
Address

Sheet 2 of 2

2. Plant Susquehanna Steam Electric Station
Name

Unit 1

PO Box 467, Berwick, PA 18603
Address

E&S Cons/WA # Y20471
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name

Type Code Symbol Stamp None

Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System SUS 164B Recirc/RWCU Class 1

5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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 Pivot Pin	Grinnell	ITem #6 *(1)	N/A	SPDCA102-H20	*(1)	Replaced	No
1 Pivot Pin	Grinnell	Item #6 *(1)	N/A	SPDCA102-H20	*(1)	Replacement	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	SPDCA102-H20	*(1)	Replaced	No
2 Heavy Hex Nuts	Grinnell	Item #14 *(1)	N/A	SPDCA102-H20	*(1)	Replacement	No

* NOTE (1): Serial/Heat number and year built not available.



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 02/14/94
Sheet 1 of 2

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

Unit 1
E&S Cons/WA # Y20455
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name
Address

Type Code Symbol Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System SUS 183A Main Steam Lines Class 2

5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W80

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 End Paddle	Grinnell	Item # 2 *(1)	N/A	DBB-101-H13	*(1)	Replaced	No
1 End Paddle	Grinnell	Item # 2 *(1)	N/A	DBB 101-H13	*(1)	Replacement	No
1 Adapter Nut	Pacific Scientific	Item #1 *(1)	N/A	DBB-101-H13	*(1)	Replaced	No
1 Adapter Nut	Pacific Scientific	Item #1 *(1)	N/A	DBB-101-H13	*(1)	Replacement	No

NOTE *(1): Serial/Heat number and year built not available.

7. Description of Work Replaced parts with sufficient replacement parts.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Exempt 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 2/24 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994



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 2/24, 19 94
Owner of Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 March 1 1994

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 2/24, 19 94
Owner or Owner's Designee, Title VP-Nuc 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 September 25, 1993 to January 12, 1994, 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 AN 11
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1 1994

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 02/11/94
Sheet 2 of 3

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

Unit 1
E&S Cons/WA # See Sheet 3 of 3
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Owner
Name
Address

Type Code Symbol Stamp None
Authorization No. N/A
Expiration Date N/A

4. Identification of System SUS 1930 Main Turbine Steam ANSI B31.1 Portion

5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru 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)
Item 5 1 End Paddle	Grinnell	Item #2 *(1)	N/A	MSL-100-H9A	*(1)	Replaced	No
Item 6 1 End Paddle	Grinnell	Item #2 *(1)	N/A	MSL-100-H9A	*(1)	Replacement	No
Item 7 1 Rod Eye Assembly	Grinnell	Item #11 *(1)	N/A	MSL-100-H3	*(1)	Replaced	No
Item 8 1 Rod Eye Assembly	Grinnell	Item #11 *(1)	N/A	MSL-100-H3	*(1)	Replacement	No
Item 9 1 Rod Eye Assembly	Grinnell	Item #11 *(1)	N/A	MSL-100-H7	*(1)	Replaced	No
Item 10 1 Rod Eye Assembly	Grinnell	Item #11 *(1)	N/A	MSL-100-H7	*(1)	Replacement	No

NOTE(1): Serial/Heat number and year built not available.



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 02/11/94
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 Repair Organization P.O. No., Job No., etc.
Address

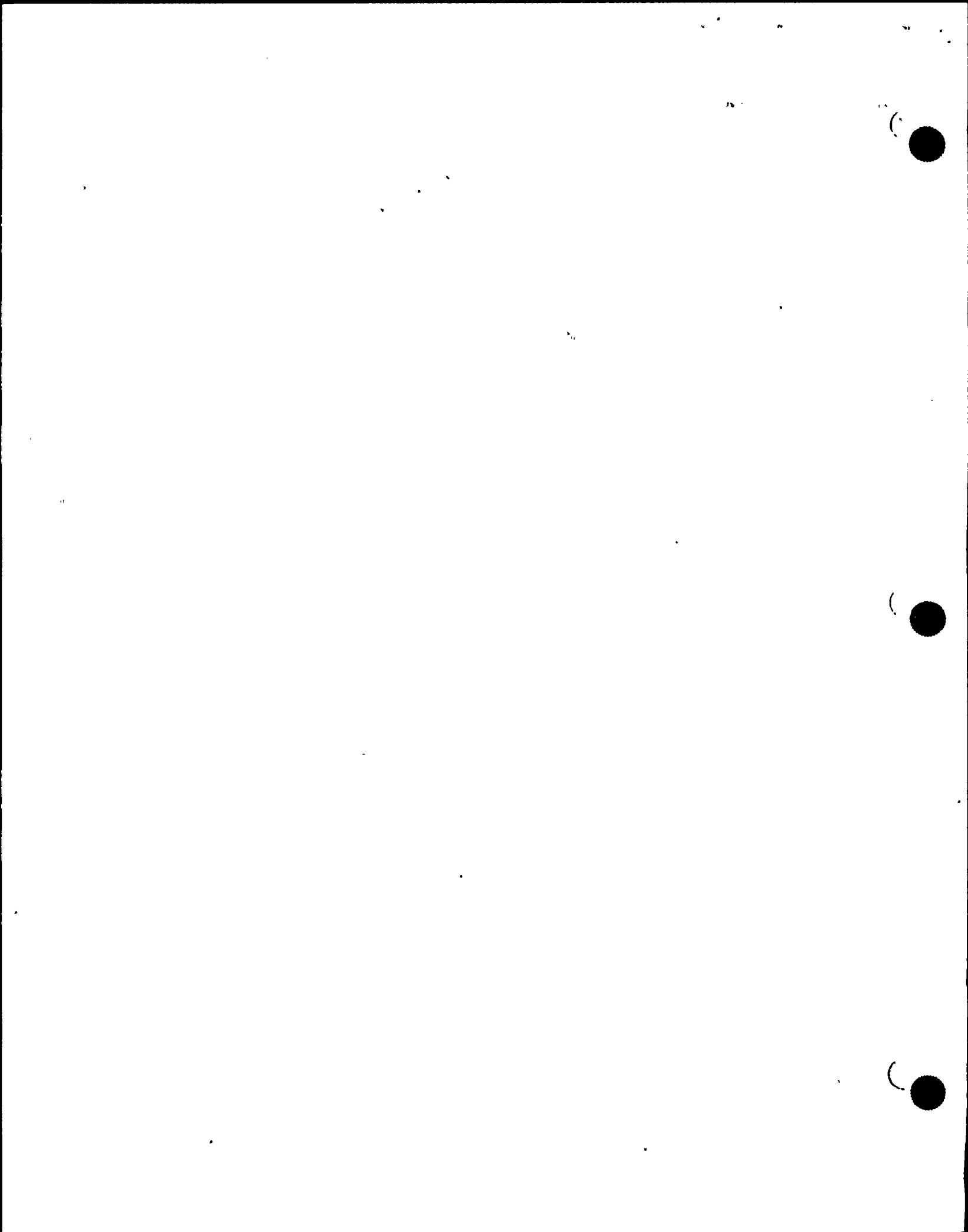
3. Work Performed by Owner Type Code Symbol Stamp None
Name
Address Authorization No. N/A
 Expiration Date N/A

4. Identification of System SUS 1930 Main Turbine Steam ANSI B31.1 Portion

5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W'80

6. Identification of Components Repaired or Replaced and Replacement Components

Item (s)	Susquehanna Work Authorization Number	Code Repair Form No.
1	C23480	N/A
2	C23480	N/A
3	C23480	N/A
4	C23480	N/A
5	Y20444	N/A
6	Y20444	N/A
7	Y20445	N/A
8	Y20445	N/A
9	Y20445	N/A
10	Y20445	N/A



**REACTOR PRESSURE VESSEL
EXTERNAL EXAMINATIONS**

ISI DAILY STATUS LOG - UNIT 1 SEVENTH REFUELING OUTAGE
 (REPORT 6 FOR RPV EXAMS ----- AS OF: 03/30/94)

SYSTEM: RPV-E

COMPID -----	DESC -----	MAP NO -----	EXAMTYP -----	WANUM -----	EXMNUM	REL TO GE	GE EXAM COMPLETE	GE REV COMPLT	PPL REVIEW COMPLETE	ANII SIGNOFF -----
CRD-14-11-BLT	CRD HOUSING BLT		VT-1		623007	10/26/93	10/27/93	11/02/93	11/03/93	0
CRD-22-11-BLT	CRD HOUSING BLT		VT-1		623008	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-22-43-BLT	CRD HOUSING BLT		VT-1		623009	10/26/93	10/27/93	11/02/93	11/03/93	0
CRD-26-07-BLT	CRD HOUSING BLT		VT-1		623010	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-26-39-BLT	CRD HOUSING BLT		VT-1		623011	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-26-55-BLT	CRD HOUSING BLT		VT-1		623012	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-26-59-BLT	CRD HOUSING BLT		VT-1		623013	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-30-07-BLT	CRD HOUSING BLT		VT-1		623015	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-30-27-BLT	CRD HOUSING BLT		VT-1		623014	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-34-39-BLT	CRD HOUSING BLT		VT-1		623016	10/26/93	10/27/93	11/02/93	11/03/93	0
CRD-34-47-BLT	CRD HOUSING BLT		VT-1		623017	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-38-03-BLT	CRD HOUSING BLT		VT-1		623018	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-38-19-BLT	CRD HOUSING BLT		VT-1		623019	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-38-43-BLT	CRD HOUSING BLT		VT-1		623020	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-50-39-BLT	CRD HOUSING BLT		VT-1		623021	10/26/93	10/27/93	11/02/93	11/03/93	

ISI DAILY STATUS LOG - UNIT 1 SEVENTH REFUELING OUTAGE
 (REPORT 6 FOR RPV EXAMS ----- AS OF: 03/30/94)

SYSTEM: RPV-E

COMPID -----	DESC	MAP NO -----	EXAMTYP -----	WANUM -----	EXMNUM	REL TO GE	GE EXAM COMPLETE	GE REV COMPLT	PPL REVIEW COMPLETE	ANII SIGNOFF -----
CRD-50-43-BLT	CRD HOUSING BLT		VT-1		623022	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-54-39-BLT	CRD HOUSING BLT		VT-1		623023	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-58-27-BLT	CRD HOUSING BLT		VT-1		623024	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-58-35-BLT	CRD HOUSING BLT		VT-1		623025	10/26/93	10/27/93	11/02/93	11/03/93	
CRD-58-39-BLT	CRD HOUSING BLT		VT-1		623026	10/26/93	10/27/93	11/02/93	11/03/93	
N1A NOZ-SE	NOZ-SE		VOL		623001	10/21/93	10/22/93	10/27/93	10/27/93	10/27/93
N2A NOZ-SE	SE-NOZ		VOL		623002	10/12/93	10/12/93	10/18/93	10/19/93	10/20/93
N2F NOZ-SE	SE-NOZ		VOL		623003	10/05/93	10/05/93	10/14/93	10/15/93	10/19/93
N2J NOZ-SE	SE-NOZ		VOL		623004	10/08/93	10/08/93	10/15/93	10/19/93	10/20/93
N2K NOZ-SE	SE-NOZ		VOL		623005	10/07/93	10/07/93	10/14/93	10/15/93	10/19/93
N9 NOZ-CAP	NOZ-CP		VOL		623006	10/15/93	10/15/93	10/20/93	10/20/93	10/26/93

TALLY RPV-E 26

EROSION/CORROSION
SCOPE OF EXAMINATIONS



UNIT 1 -- EROSION/CORROSION EXAMS -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLCD ID	SYSTEM	AREA	BUILD	SCAFF	NOM WALL	LINE	MAP NO.	WA NU
DETAIL PLAN			ELEV	ROOM	ERATE	INSUL	MIN WALL	ISI ISO		
ACC 2 LINE			GRID				EWRNUM	MEAS MIN	ACTIVITY NO	
COMMENTS										
DBD1011-E2 RFP A EXIT Z1-TEMP Z3-OBS	90 ELBOW	X-44	FW 676 22'EK-6'S18	10 T-128	TB 21.0	0 B	1.375 1.049	DBD-101-1 D.29 1.308	K154	P31431 K0154-01
DBD1012-E4A F.W. TO RPV (MAIN) HAND GRID	TEE D	X-51A	FW 754 22'S23.6-8'WN	25	WING 0.0	3 B	1.600 1.510	DBD-101-2 D.32	K204	P31435 K0204-01
DBD1012-E4B F.W. TO RPV (BRANCH) HAND GRID	TEE D	X-51B	FW 754 22'S23.6-8'WN	25	WING 29.0	3 B	1.812 1.335	DBD-101-2 D.32 1.672	K204	P31435 K0204-01
DBD1014-E2 RFP C EXIT Z1-TEMP Z3-OBS	90 ELBOW	X-62	FW 678 7'S22-4'WL	11 T-128	TB 26.0	0 B	1.375 1.049	DBD-101-4 D.39 1.289	K155	P31432 K0155-01
DBD1015-E1 RFP FE-1N001B INLET Z1-TEMP Z3-OBS	90 ELBOW	X-61	FW 740 8'N20-2'WN	10 T-422	TB 33.0	9 B	1.375 1.049	DBD-101-5 D.38 1.269	K92	P31421 K0092-01
DBD1015-E2 RFP FE-1N001C INLET Z1-TEMP Z3-	90 ELBOW	X-65	FW 740 5'N20-2'WN	10 T-422	TB 38.0	9 B	1.375 1.049	DBD-101-5 D.39 1.250	K93	P31422 K0093-01
DBD1051-E7A LV-10641 OUTLET (MAIN) HAND GRID	TEE A	X-68A	FW 746 7'S23-2'WN	11 T-422	TB 65.0	15 B	1.219 .934 M30720	DBD-105-1 D.35 1.035	K153	P31430 K0153-01

UNIT 1 -- EROSION/CORROSION EXAMS -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID ----- DETAIL PLAN ACC 2 LINE ----- COMMENTS	DESCRIPTION ----- ----- ----- ----- -----	REPORT ID ----- ----- ----- ----- -----	SIZE ----- ----- ----- ----- -----	SYSTEM ELEV GRID ----- ----- -----	AREA ROOM ----- ----- -----	BUILD ERATE ----- ----- -----	SCAFF INSUL ----- ----- -----	NOV WALL MIN WALL ----- ----- -----	LINE ISI ISO ----- ----- -----	MAP NO ----- ----- ----- ----- -----	WA NO ----- ----- ----- ----- -----
DBD1051-E7B LV-20641 OUTLET (BRANCH)	TEE A	X-68B	4	FW 746 7'S23-2'WN	11 T-422	TB 0.0	15 B	.438 .292	DBD-105-1 D.35	K153	P31430 K0153-01
DLA1021-E1A SIS: X-594A Z1-TEMP	TEE D	X-596A	24	FW 754 312DEG	26 R-516 AZ-23'RCL	CONT 0.0	0 M	1.219 .824	DLA-102-1 D.82	K94	P31423 K0094-01
DLA1021-E1B SIS: X-594B Z3-HAND BRID	TEE D	X-596B	12	FW 754 312DEG	26 R-516 AZ-23'RCL	CONT 28.0	0 M	.688 .459	DLA-102-1 D.82 .623	K94	P31423 K0094-01
DLA1021-E3A 'A' FW TO RPV (MAIN) HAND GRID	TEE D	X-175A	20	FW 754 270DEG	26 R-516 AZ @ 22RCL	CONT 0.0	0 M	1.031 .687	DLA-102-1 D.82	K95	P31424 K0095-01
DLA1021-E3B 'A' FW TO RPV (BRANCH) HAND GRID	TEE D	X-175B	12	FW 754 270DEG	26 R-516 AZ @ 22RCL	CONT 22.0	0 M	.688 .459	DLA-102-1 D.82 .632	K95	P31424 K0095-01
DLA1021-E4A 'A' FW TO RPV Z1-TEMP	REDUCER	X-176A	20	FW 754 270DEG	26 R-516 AZ @ 22RCL	CONT 0.0	0 M	1.031 .687	DLA-102-1 D.82	K97	P31426 K0097-01
DLA1021-E4B 'A' FW TO RPV Z1-TEMP Z3-TEMP	REDUCER	X-176B	12	FW 754 270DEG	26 R-516 AZ @ 22RCL	CONT 29.0	0 M	.688 .459	DLA-102-1 D.82 .621	K97	P31426 K0097-01

INSULATION PROVISION EXAM -- REPORT 2
 (SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REF ID	SIZE	TYPE	AREA	BUILD	SCALE	NUM WALL	LINE	ACT NO	PR NO
DETAIL PLAN				ELEV	ROOM	FRATE	INSUL	MIN WALL	ISI ISO		
ACT LINE				GRID				EWRNUM	MEAS MIN	ACTIVITY	NO
COMMENTS											
DLA1021-E5 "A" FW TO RPV HAND GRID	90 ELBOW	X-177	12	FW 754 210DEG AZ @ 22RCL	26 R-516	CONT 44.0	0 M	.688 .459	DLA-102-1 D.82 .587	K96 K0096-01	P31425
DLA1041-E1A SIS: X-596A HAND GRID OBS	TEE D	X-594A	14	FW 754 56AZ-25RCL	26 R-516	CONT 0.0	0 M	1.219 .824	DLA-104-1 D.67	K98 K0098-G1	P31427
DLA1041-E1B SIS: X-596B HAND GRID OBS	TEE D	X-594B	12	FW 754 56AZ-25RCL	26 R-516	CONT 28.0	0 M	.688 .459	DLA-104-1 D.67 .625	K98 K0098-01	P31427
DLA1041-E3A RPV INLET B 21-TEMP 23-TEMP	TEE D	X-140A	30	FW 752 90AZ-22RCL	26 R-516	CONT 73.0	0 M	1.031 .687 M30634	DLA-104-1 D.67 .781	K99 K0099-01	P31428
DLA1041-E3B RPV INLET B 22-TEMP 23-TEMP	TEE D	X-140B	12	FW 752 90AZ-22RCL	26 R-516	CONT 31.0	0 M	.688 .459	DLA-104-1 .616	K99 K0099-01	P31428
DLA1041-E4A RPV INLET B HAND GRID	REDUCER	X-141A	20	FW 754 90AZ-22RCL	26 R-516	CONT 35.0	0 M	1.031 .687	DLA-104-1 D.67 .912	K100 K0100-01	P31429
DLA1041-E4B RPV INLET B HAND GRID	REDUCER	X-141B	12	FW 754 90AZ-22RCL	26 R-516	CONT 34.0	0 M	.688 .459	DLA-104-1 D.67 .609	K100 K0100-01	P31429

UNIT 1 -- EROSION/CORROSION INSPECTION
(SORTED BY PRIORITY)

REPORT DATE: 05/08/88

COMPONENT ID	DESCRIPTION	REPLCI ID	SYSTE	Y	FRATE	IL. P	MIN WALL	LINE	MAP NO.	WA NO	
DETAIL PLAN			ELF	ROOM	FRATE	IL. P	MIN WALL	IS1 ISO			
ACT. LINE			GRID				EWARNUM	MEAS MIN		ACTIVITY NO	
COMMENTS											
DLA1041-E5 RPV INLET B Z1-TEMP Z3-HAND GRID	90 ELBOW	X-142	12	FW 754 150DEG	26 R-516 AZ-23'RCL	CON1 48.0 M	U M	.688 .459	DLA-104-1 D.67 .578	K156 K0156-01	P31433
GAD1011-E1 MSEP DRAIN TO 4A Z1-TEMP Z2-TEMP, Z3-OBS	TEE B	X-12	10	MSEPD 707 14'N16-5'EL	9 T-212	TB 62.0 B	S B	.500 .330 M30659	GAD-101-1 D.3 .398	K39 K0039-01	P31402
GAD1011-E2 A MSEP DRAIN TO FWH 4A HAND GRID	VALVE	X-167	6	MSEPD 707 4'S15-8'EL	9 T-215	TB 35.0 B	S B	.280 .186	GAD-101-1 D.3 .247	K40 K0040-01	P31403
GAD1012-E1 SIS: X-12, X-249 Z1-TEMP Z2-TEMP, Z3-OBS	TEE B	X-248	10	MSEPD 708 14'N19-5'EL	10 T-214	TB 35.0 B	C B	.500 .330	GAD-101-2 D.3 .441	K41 K0041-01	P31404
GAD1013-E1 SIS: X-12, X-248 Z1-TEMP Z2-TEMP, Z3-OBS	TEE B	X-249	10	MSEPD 707 14'N24-5'EL	11 T-212	TB 44.0 B	C B	.500 .330	GAD-101-3 D.3 .426	K42 K0042-01	P31405
GAD1021-E1 DRAIN 5A TO 4A Z1-TEMP Z2-TEMP, Z3-OBS	TEE B	X-23	12	FW 703 12'S16-5'EL	10 T-215	TB 3.0 B	O B	.375 .250	GAD-102-1 D.9 1.990	K44 K0044-01	P31441
GBD1011-E2A SIS: GBD1013-E2B Z1-TEMP	REDUCER	X-788	8"	MSEP 701 12'N23-15'EB	7 211	TB 0.0 C	O C	.322 .214	GBD101-1 GBD101-1	K205 K0205-01	P31436

UNK -- EROSION/CORROSION EXAM - REPORT 1
 (SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLACEMENT	SIZE	SYSTEM	AREA	DATE	SCAFF	CONC	WALL	DATE	ACTIVITY NO
DETAIL PLAN				ELEM	ROOM	ERATE	INSUL	MEI	WALL	DATE	
ICC 2 LINE				GRID				ENRNUM	FL	DATE	
COMMENTS											
GBD1011-E2B SIS: GBD1013-E2A Z-1 TEMP Z3-OBS	REDUCER	X-786	10"	MSEP 701	7 T-211	TB 19.0	0 C	.500 .330	GBD1-01-1 GBD1-01-1		K205 P31436 K0205-01
GBD1013-E2A SIS: GBD1011-E2A Z-1 TEMP Z3-OBS	REDUCER	X-790	10"	MSEP 701	3 T-210	TB 0.0	0 C	.500 .330	GBD1-01-3 GBD1-01-3		K206 P31437 K0206-01
GBD1013-E2B SIS: GBD1011-E2B Z-1 TEMP	REDUCER	X-790	8"	MSEP 701	3 T-210	TB 0.0	0 C	.322 .214	GBD1-01-3 GBD1-01-3-E2B		K206 P31437 K0206-01
GBD1021-E2 EXTRACTION 5A DRAIN Z1-TEMP Z3-TEMP	90 ELBOW	X-155	4	EXTST 708	5 T-217	TB 47.0	5 B	.237 .158	GBD- 10: 1-1 D.75 .200		K45 P31406 K0045-01
GBD1022-E1 EXTRACTION 5B DRAIN Z1 TEMP Z3-OBS	90 ELBOW	X-191	4	EXTST 701	7 T-211	TB 67.0	0 B	.237 .158 M30618	GBD- 10: 1-2 D.74 .184		K49 P31409 K0049-01
GBD1022-E2 EXTRACTION 5B DRN Z1 TEMP Z3-TEMP	90 ELBOW	X-154	4	EXTST 708	6 T-211	TB 81.0	6 B	.237 .158 M30657	GBD- 10: 1-2 D.74 .173		K46 P31407 K0046-01
GBD1023-E2 EXTR 5C DRAIN (20C) Z1-TEMP Z3-TEMP	90 ELBOW	X-25	4	EXTST 707	7 T-211	TB 38.0	5 B	.237 .158	GBD- 10: 1-3 D.11 .207		K48 P31408 K0048-01

UNIT 1 -- EROSION/CORROSION DATA REPORT
 (SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLCD ID	SYSTEM	AREA	SHLD	SCAP	NOM WALL	MIN	MAP NO.	UNIT
DETAIL PLAN			ELC	ROOM	FR	THICK	MIN WALL	ISI 150		
ACT LINE			GRIL				EWNUM	MEAS MIN		ACTIVITY NO
COMMENTS										
GBD1031-E1A SIS: GBD1032-E2A, GBD1033-E1A Z1-TEMP Z3-OBS	REDUCER	X-791	FWHD 701 12'S19-0'@JA	6 T-211	TB 31.0	0 C	.322 .215	GBD103-1 GBD103-1 .289	K207	P31438 K0207-01
GBD1031-E1B SIS: GBD1032-E1B, GBD1033-E1B Z1-TEMP	REDUCER	X-791	FWHD 701 12'S19-0'@JA	6 T-211	TB 31.0	0 C	.280 .186	GBD103-1 GBD103-1	K207	P31438 K0207-01
GBD1032-E1A SIS: GBD1031-E1A, GBD1033-E1A Z1-TEMP Z3-OBS	REDUCER	X-793	FWHD 701 12'S21-1'EJ	7 T-211	TB 63.0	0 C	.322 .215 M30711	GBD103-2 GBD103-2 .254	K208	P31439 K0208-01
GBD1032-E1B SIS: GBD1031-E1B, GBD1033-E1B Z1-TEMP	REDUCER	X-793	FWHD 701 12'S21-1'EJ	7 T-211	TB 63.0	0 C	.280 .186	GBD1032-2 GBD103-2	K208	P31439 K0208-01
GBD1033-E1A SIS: GBD1032-E1A, GBD1031-E1A Z1-TEMP Z3-OBS	REDUCER	X-795	FWHD 701 11'S23-15'EHB	7 T-211	TB 29.0	0 C	.322 .215	GBD103-2 GBD103-2 .291	K209	P31440 K0209-01
GBD1033-E1B SIS: GBD1031-E1B, GBD1032-E1B Z1-TEMP	REDUCER	X-795	FWHD 701 11'S23-15'EHB	7 T-211	TB 29.0	0 C	.280 .186	GBD103-3 GBD103-3	K209	P31440 K0209-01
GBD1042-E2 FWH 5B VENT Z1-TEMP Z3-TEMP	90 ELBOW	X-31	FW 708 8'S19-15'EK	10 T-214	TB 21.0	5 B	.300 .200	GBD-104-2 D.17 .279	K50	P31410 K0050-01

III. : -- EROSION/CORROSION EXAM. -- REPORT
 (SORTED BY PRIORITY)

REPORT DATE: 01/06/94

INSTRUMENT ID	TYPE	REPLCD ID	SIZE	SYSTEM	AREA	REFL	REACT	COND W/L	INSTR	MAI NO.	WA NO
DETAIL FROM				ELEV	ROOM	FRATE	INCL	MIN W/L	INSTR		
ACQ & LINE				GRID				INSTR	ML & MIN	ACTIVITY NO	
COMMENTS											
GBD1081-E1 REJECT TO CST FE-10514A Z1-TEMP	ORIFICE	X-136	4	COND 665 5'S16-0'@KB	9 T-52	TB 21.0	6	.237 .157	GBD-108-1 D.65 .220	K51	P31411 K0051-01
GBD1081-E4A REJECT TO CST. BOTH SIDES OF VALVE Z1-OBS Z3-TEMP	REDUCER	X-220A	12	COND 658 10'N17-4'WK	10 T-52	TB 36.0	0	.500 .333	GBD-108-1 D.65 .33	K52	P31412 K0052-01
GBD1081-E4B REJECT TO CST. BOTH SIDE OF VALVE Z1-OBS	REDUCER	X-220B	8	COND 658 10'N17-4'WK	10 T-52	TB 0.0	8	.322 .215	GBD-108-1 D.65	K52	P31412 K0052-01
GBD1091-E3 SHORT PATH HAND GRID	REDUCER	X-137	14	COND 678 4S24-15WK	7 T-113	TB 49.0	0	.500 .333	GBD-109-1 D.65 .33	K53	P31413 K0053-01
GBD1131-E2 LONG PATH AFTER FO-10570B Z1-OBS Z3-TEMP	45 ELBOW	X-37	16	FW 718 6'N24-9'WJC	7 T-211	TB 43.0	15 B	.656 .437	GBD-113-1 D.23 .561	K54	P31414 K0054-01
GBD1181-E1 F.W. 2A TO 3A Z1-TEMP Z3-OBS	45 ELBOW	X-48	20	FW 709 9'N16-1'WGB	1 T-211	TB 20.0	7 B	.812 .541	GBD-118-1 D.31 .758	K55	P31415 K0055-01
GBD1181-E2 F.W. #2A TO 3A Z1-TEMP Z3-TEMP	90 ELBOW	X-147	20	FW 709 10'S14-6'EKB	9 T-217	TB 8.0	6 B	.812 .541	GBD-118-1 D.31 .791	K56	P31416 K0056-01

UNIT EROSION/CORROSION EXAMS -- REPORT 2
 (SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID ----- DETAIL PLAN ----- AS B LINE ----- COMMENTS -----	DESCRIPTION -----	UNIT -----	SYSTEM -----	AREA -----	BUILD -----	SCAFF -----	NOM WALL -----	LINE -----	MAP NO. -----	W. NO. -----
		SIDE -----	ELEV -----	ROOM -----	ERATE -----	INSUL -----	MIN WALL -----	ISI 150 -----		
			GRID -----				EWRNUM -----	MEAS MIN -----	ACTIVITY NO -----	
GBD1182-E1 F.W. #2B TO 3B Z1-HAND GRID Z3-OBS	90 ELBOW	X-150	20	FW 712 6'6"N21-1'6"WGB	3 T-211	TB 62.0	8 B	.812 .541 M30664	GBD-118-2 D.7C .643	K63 P31463 K0063-01
GBD1183-E1 F.W. #2C TO 3C Z1-OBS Z3-HAND GRID	90 ELBOW	X-151	20	FW 712 6'N21-2'WGB	3 T-211	TB 9.0	8 B	.812 .541	GBD-118-3 D.71 .787	K57 P31417 K0057-01
GBD1193-E1 F.W. #3C TO 4C Z1-TEMP Z3-OBS	90 ELBOW	X-148	20	FW 710 1'EKC-14'N23	11 T-212	TB 0.0	7 B	.812 .541	GBD-119-3 D.66	K58 P31418 K0058-01
GBD1203-E1 F.W. #4C TO 5C Z1-HAND GRID Z3-HAND GRID	90 ELBOW	X-149	20	FW 711 2'EKC-8'N23	11 T-212	TB 7.0	8 B	.812 .541	GBD-120-3 D.66 .793	K59 P31419 K0059-01
GBD1212-E3 RFP B INLET Z1-TEMP Z2-TEMP, Z3-TEMP	TEE D	X-59	20	FW 689 0 @ 21-10'WM	11 T-122	TB 18.0	8 B	.812 .541	GBD-121-2 D.30 .764	K60 P31420 K0060-01
GBD1215-E2 R.W. 5C EXIT Z1-TEMP Z3-OBS	90 ELBOW	X-64	20	FW 710 4'N22-0'@LA	11 T-213	TB 48.0	8 B	.812 .541	GBD-121-5 D.30 .681	K62 P31442 K0062-01
GBD1252-E1A HAND GRID	TEE F	X-482A	4	MCPR 734 0'@17-24'EK	10 T-422	TB 8.0	0 C	0.237 .158	GBD-125-2 .231	K147 P31464 K0147-01

UNIT -- EROSION/CORROSION EXAM -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 6/7/06 PA

COMPONENT ID	DESCRIPTION	REF. CO. IT.	SIZE	SYSTE ELEV GRID	ROOM	FRATE	SCAFF INSUL	NOM WALL MIN WALL EWRNUM	LINE ISI ISO MEAS MIN	MAP NO.	WA NO	ACTIVITY NG
GBD1252-E1B HAND GRID	TEE F	X-482B	1	MCPR 734 0'@17-24'EK	10 T-422	TB 40.0	0 C	.250 .166	GBD-125-2 .216	K147	P31464	K0147-01
GFD1011-E1 EXTRACTION #5 A NO TEMP HAND GRID	PIPE	X-143	14	EXTST 727 6N18-2EHB	6 T-211	TB 29.0	22 B	.375 .250	GFD-101-1 D.2 .339	K145	P31462	K0145-01
GFD1012-E6 EXTR TO FWH 5B, C Z1-HAND GRID Z3-TEMP	45 ELBOW	X-4	18	EXTST 714 1'S18-10'WK	6 T-211	TB 19.0	10 B	.375 .250	GFD-101-2 D.2 .351	K210	P31465	K0210-01
GFD1031-E1A XAROUND STEAM DRAINS Z1-TEMP Z3-HAND GRID	TEE A	X-125A	6	MSEP 696 3'S18-4'WHB	2 T-113	TB 25.0	16 B	.280 .187	GFD-103-1 D.21 .257	K146	P31463	K0146-01
GFD1031-E1B XAROUND STEAM DRAINS Z1-TEMP	TEE A	X-125B	4	MSEP 696 3'S18-4'WHB	2 T-113	TB 0.0	16 B	.237 .158	GFD-103-1 D.21	K146	P31463	K0146-01
HAD1063-E1 BPV LP STEAM LEAKOFF Z1-TEMP Z3-TEMP	ELBOW 2SLBPV	X-96	3	TS 675 10'N19-3'WGE	2 T-36	TB 15.0	15 B	.216 .143	HAD-106-3 D.47 .205	K91	P31461	K0091-01
HBD1075-E1 HAND GRID	90 ELBOW	X-829	24	EXTST 720 6'S19-6'EHB	7 IPCON	TB 121.0	16	.375 .250 M30675	HBD-107-5 .224	K224	P32363	K0224-01

UNIT 3 -- EROSION/CORROSION EXAMS -- REPORT
 (SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLCD	SIZE	SYSTEM	AREA	BUILD	DEPTH	DEPTH	DEPTH	DEPTH	DEPTH	MAP NO	WA NO
DETAIL PLAN				ELEV	ROOM	ERATE	INSUL	MIN WALL	IS 150				
ACC 2 LINE				GRIL				EWRNUM	MEAS MTL			ACTIVITY NO	
COMMENTS													
HBD1077-E1	PIPE	X-833	24	EXTST 722	7 IPCON	TB	20	.375 .250 M30663	HBD-107-7			K225	P32364
HAND GRID OBS				6'N19-6'EHB					.272			K0225-01	
HBD1091-E1	90 ELBOW	X-146	26	EXTST 699	9 T-215	TB	10	.375 .250	HBD-109-1			K212	P31291
EXTRACTION #3A Z1-TEMP Z3-TEMP				9'N16-0'KC					D.4 347			K0212-01	
HBD1091-E12A	TEE A	X-705	26	EXTST 712	6 HPCON	TB	10	0.375 0.250 M30684	HBD109-1 HBD109-1			K7	P31257
Z1-TEMP Z3-TEMP				2S19-0@HB					.188			K0007-01	
HBD1091-E12B	TEE A	X-705	18	EXTST 712	6 HPCON	TB	10	0.375 0.250 M30684	HBD109-1 HBD109-1			K7	P31257
Z1-TEMP				2S19-0@HB					.260			K0007-01	
HBD1091-E13	45 ELBOW	X-701	18	EXTST 712	6 HPCON	TB	10	0.375 0.250 M30679	HBD109-1 HBD109-1			K8	P31258
Z1-TEMP Z3-TEMP				2'N19-3'EHB					.212			K0008-01	
HBD1091-E14	45 ELBOW	X-704	18	EXTST 712	6 HPCON	TB	10	0.375 0.250 M30683	HBD109-1 HBD109-1			K9	P31259
Z1-TEMP Z3-TEMP				2'S19-3'EHB					.176			K0009-01	
HBD1091-E4	ELBOW	X-13	26	EXTST 676	6 T-211	TB	11	.375 .250 M30619	HBD-109-1			K2	P31253
EXTR TO FWH 3A Z1-TEMP Z3-TEMP				10'N20-10'WJC					D.4 .210			K0002-01	

UNIT 1 -- EROSION/CORROSION EXAMS REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPL ID	SIZE	SYSTEM ELEV GRID	AREA ROOM	BLDG ELEV	SCAFF INSTR	NOM WALL MIN WALL EWNOM	LINE ISO ISO MEAS MIN	MA NO	NO NO
HBD1091-E5 Z1-TEMP Z3-TEMP	90 ELBOW	X-706	26	EXTST 712 9S19-0'@HB	6 HPCON	TB 172.0	20	0.375 0.250 M30678	HBD109-1 HBD109-1 .168	K3	P31254 K0003-01
HBD1091-E6 Z1-TEMP	PIPE	X-700	18	EXTST 722 2'N19-3'EHB	6 HPCON	TB 143.0	20	0.375 0.250 M30685	HBD109-1 HBD109-1 .196	K4	P31255 K0004-01
HBD1092-E2 EXTRACTION #3B EXISTING GRID	90 ELBOW	X-145	26	EXTST 712 7'S21-9'WJC	7 T-211	TB 146.0	10 B	.375 .250 M30623	HBD-109- 2 D.4 .177	K12	P31260 K0012-01
HBD1093-E11 Z1-TEMP	PIPE	X-720	18	EXTST 722 9N23-1EHB	3 LPCON	TB 177.0	20	0.375 0.250 M30705	HBD109-3 HBD109-3 .154	K35	P31268 K0035-01
HBD1093-E12 Z1-TEMP	PIPE	X-723	18	EXTST 722 5N23-1EHB	3 LPCON	TB 151.0	20	0.375 0.250 M30706	HBD109-3 HBD109-3 .186	K36	P31269 K0036-01
HBD1093-E13 Z1-TEMP Z3-TEMP	45 ELBOW	X-721	18	EXTST 712 9N23-1EHB	3 LPCON	TB 130.0	10	0.375 0.250 M30700	HBD109-3 HBD109-3 .213	K37	P31270 K0037-01
HBD1093-E14 Z1-TEMP Z3-TEMP	45 ELBOW	X-724	18	EXTST 712 5N23-1EHB	3 LPCON	TB 107.0	10	0.375 0.250 M30699	HBD109-3 HBD109-3 .241	K38	P31271 K0038-01

UNIT : -- EROSION/CORROSION EXAM: -- REPORT 7
(SORTED BY PRIORITY)

REPORT DATE: 01/06/84

COMPONENT ID DETAIL PLAN ACC. LINE COMMENTS	ELBOW SIZE	REPLCD ID	SIZE	SYSTEM ELEV GRID	AREA ROOM	SHIELD EPAFE	GRAFF ENGL	NON WALL MIN WALL	LINE ISJ	MAP NO.	WA NO	ACTIVITY NO
HBD1093-E2 EXTRACTION #3B Z1-TEMP Z3-TEMP	90 ELBOW	X-144	26	EXTST 712 12'N24-9'EHE	7 T-211	TB 106.0	8 B	.375 .250 M30617	HBD-109)-3 D.4 .242	K26	P31263	K0026-01
HBD1093-E4A Z1-TEMP	TEE A	X-725	26	EXTST 712 5N23-1WHB	3 LPCON	TB 108.0	10	0.375 0.250 M30701	HBD109- -3 HBD109- -3 .240	K28	P31264	K0028-01
HBD1093-E4B Z2-TEMP	TEE A	X-725	18	EXTST 712 5'N23-1'WHB	3 LPCON	TB 166.0	10	0.375 0.250 M30701	HBD109- -3 HBD109- -3 .168	K28	P31264	K0028-01
HBD1093-E8 EXISTING GRID	90 ELBOW	X-728	26	EXTST 712 4S21-11WK	7 T-211	TB 158.0	10 B	0.375 0.250 M30622	HBD109- -3 HBD109- -3 .177	K32	P31266	K0032-01
HBD1093-E9 Z1-TEMP Z3-08S	90 ELBOW	X-729	26	EXTST 712 9N24-11WK	7 T-211	TB 21.0	10 B	0.375 0.250	HBD109- -3 HBD109- -3 .349	K33	P31267	K0033-01
HBD1203-E1 FWH 3C VENT Z1-TEMP Z3-TEMP	90 ELBOW	X-157	3	FW 704 5N23-13EK	11 T-212	TB 21.0	0 B	.216 .144	HBD-12()-3 D.19 .201	K90	P31280	K0090-01
HBD1203-E2 FWH 3C VENT Z1-TEMP Z3-TEMP	90 ELBOW	X-33	4	FWHV 708 5'N22-7'EKB	11 T-212	TB 19.0	6 B	.237 .158	HBD-12()-3 D.19 .222	K88	P31278	K0088-01

UNIT 1 -- EROSION/CORROSION EXAMS -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID ----- DETAIL PLAN ----- ACC 3 LINE ----- COMMENTS -----	DESCRIPTION -----	FIELD NO -----	SIZE -----	SYSTEM ELEV ----- GRID -----	AREA ROOM -----	BUILD ERATE -----	SCAFF INSUL -----	NOM WALL ----- MIN WALL ----- EWRNUM -----	LINE IS: ISC ----- MEAS MIN -----	MARK NO -----	WA NO -----	ACTIVITY NO -----
HBD1542-E3 HP TURB INNER GLAND LKOFF Z1-TEMP Z3-TEMP	90 ELBOW	X-166	4	TS 726 4'5"N18-0'WB	6 T-211	TB 49.0	22 B	.237 .157	HBD-154-2 D.79 .198	K89	P31279	K0089-01
HBD1681-E3 Z1-TEMP Z3-?	45 ELBOW	X-816	4	SSE 695 6'S17-3'WB	2 T-211	TB 43.0	15 M	.237 .157	HBD168-1 HBD168-1 .203	K211	P31290	K0211-01
HFD1011-E1 SIS: X-253, X-254 Z1-TEMP Z3-TEMP	90 ELBOW	X-252	16	EXTST 712 9'N16-5EL	9 T-215	TB 0.0	10 B	.375 .250	HFD-101-1 D.5	K101	P31281	K0101-01
HFD1011-E10 SIS: HFD1012-E10, HFD1013-E10 Z1-TEMP Z3-TEMP	45 ELBOW	X-744	10	EXTST 718 2'N19-3'WB	6 HPCON	TB 26.0	12	.365 .243	HFD101-1 HFD101-1 .333	K109	P31285	K0109-01
HFD1011-E11A SIS: HFD1012-E11A, HFD1013-E11A Z1-HAND GRID Z3-TEMP	TEE A	X-745A	16	EXTST 715 2'N19-1'WB	6 HPCON	TB 140.0	10	.365 .243 M30676	HFD101-1 HFD101-1 .200	K110	P31793	K0110-01
HFD1011-E11B SIS: HFD1012-E11B, HFD1013-E11B	TEE A	X-745B	16	EXTST 715 2'N19-1'WB	6 HPCON	TB 0.0	10	.375 .250	HFD101-1 HFD101-1	K110	P31793	K0110-01
HFD1011-E12 SIS: HFD1012-E12, HFD1013-E3 Z1-TEMP Z3-TEMP	90 ELBOW	X-746	16	EXTST 715 7'N19-1'WB	6 HPCON	TB 128.0	10	.375 .250 M30677	HFD101-1 HFD101-1 .215	K111	P31794	K0111-01

UNIT 1 -- EROSION/COSSION EXAMS -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID ----- DETAIL PLAN ----- ACT 2 LINE ----- COMMENTS -----	DESCRIPTION -----	REPLCD 1: -----	SIZE -----	SYSTEM ELEV ----- GRID -----	AREA ROOM -----	BUILD ERATE -----	SCAFF INSUL -----	NOM WALL ----- MIN WALL ----- EWRNUM	LINE ISI ISO ----- MEAS MIN	MAP NO. -----	WA NO. -----	ACTIVITY NO -----
HFD1011-E7 SIS: HFD1012-E7, HFD1013-E7 Z1-TEMP	PIPE	X-740	10	EXTST 720 2'S19-3'WHB	6 HPCON	TB 0.0	15	.365 .243	HFD101-1 HFD101-1	K106	P31282	K0106-01
HFD1011-E8 SIS: HFD1012-E8, HFD1012-E8 Z1-TEMP Z3-TEMP	45 ELBOW	X-741	10	EXTST 718 2'S19-3'WHB	6 HPCON	TB 33.0	12	.365 .243	HFD101-1 HFD101-1 .325	K107	P31283	K0107-01
HFD1011-E9A SIS: HFD1012-E9A, HFD1013-E9A Z1-HAND GRID OBS Z3-TEMP	TEE A	X-742A	16	EXTST 715 2'S19-1'WHB	6 HPCON	TE 83.0	10	.375 .243 M30687	HFD101-1 HFD101-1 .271	K108	P31284	K0108-01
HFD1011-E9B SIS: HFD1012-E9B, HFD1013-E9B	TEE A	X-742B	10	EXTST 715 2'S19-1'WHB	6 HPCON	TB 0.0	10	.365 .243 M30687	HFD101-1 HFD101-1	K108	P31284	K0108-01
HFD1012-E1 SIS: X-252, X-254 Z1-TEMP Z3-TEMP	90 ELBOW	X-253	16	EXTST 712 9'N19-5'EL	10 T-214	TB 3.0	10 B	.375 .250	HFD-101-2 D.5 .371	K115	P31286	K0115-01
HFD1012-E10 SIS: HFD1011-E10, HFD1013-E10 Z1-TEMP Z3-TEMP	45 ELBOW	X-754	10	EXTST 718 2'N21-3'WHB	3 IPCON	TB 48.0	12	.365 .243	HFD101-2 HFD101-2 .307	K124	P31287	K0124-01
HFD1012-E11A SIS: HFD1011-E11A, HFD1011-E11A Z1-TEMP Z3-TEMP	TEE A	X-755A	16	EXTST 715 2'N21-0'@HB	3 IPCON	TB 140.0	10	.375 .250 M30662	HFD101-2 HFD101-2 .200	K125	P31288	K0125-01

UNIT 1 -- EROSION/CORROSION EXAM -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLACE ID	SIZE	SYSTEM	AREA	BUILD	ALPHA	NOM WALL	LINE	MAP NO.	WA NO
DETAIL PLAN				ELEV	ROOM	ERATE	INSUL	MIR WALL	ISI ISO		
ACC 2 LINE				GRID				ZWRNUM	MEAS MIN	ACTIVITY NO	
COMMENTS											
HFD1012-E11B SIS: HFD1011-E11B, HFD1013-E11B Z2-TEMP	TEE A	X-755B	10	EXTST 715 2'N21-0'@HB	3 IPCON	TB 11.0	10	.365 .243	HFD101-2 HFD101-2 .352	K125	P31288 K0125-01
HFD1012-E12 SIS: HFD1011-E12, HFD1013-E3 Z1-TEMP Z3-TEMP	90 ELBOW	X-756	16	EXTST 715 7'N21-0@HB	3 IPCON	TB 196.0	10	.375 .250 M30660	HFD101-2 HFD101-2 .130	K126	P31289 K0126-01
HFD1012-E3 EXTR TO FWH4B-TWO FT DWNSTRM FROM ELBOW Z1-TEMP	ST PIPE	X-753	10	EXTST 722 2'N21-3'WHB	3 IPCON	TB 20.0	15	.365 .243	HFD101-2 HFD101-2 .340	K117	P31292 K0117-01
HFD1012-E7 SIS: HFD1011-E7, HFD1013-E7 Z1-TEMP	PIPE	X-750	10	EXTST 722 2'S21-3'WHB	3 IPCON	TB 30.0	15	.365 .243	HFD101-2 HFD101-2 .328	K121	P31293 K0121-01
HFD1012-E8 SIS: HFD1011-E8, HFD1013-E8 Z1-TEMP Z3-TEMP	45 ELBOW	X-751	10	EXTST 718 2'S21-3'WHB	3 IPCON	TB 49.0	12	.365 .243	HFD101-2 HFD101-2 .305	K122	P31294 K0122-01
HFD1012-E9A SIS: HFD1011-E9A, HFD1013-E9A Z1-TEMP Z3-TEMP	TEE A	X-752A	16	EXTST 715 2'S21-0'@HB	3 IPCON	TB 114.0	10	.375 .250 M30661	HFD101-2 HFD101-2 .232	K123	P31295 K0123-01
HFD1012-E9B SIS: HFD1011-E9B, HFD1013-E9B Z2-TEMP	TEE A	X-752B	10	EXTST 715 2'S21-0'@HB	3 IPCON	TB 17.0	10	.365 .243	HFD101-2 HFD101-2 .344	K123	P31295 K0123-01

UHJ : -- EROSION/CORROSION EXAMS -- REPORT 2
 (SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLC#	SIZE	SYSTEM	AREA	BUILD	SCAFF	NOM WALL	LINE	ACTIVITY NO
DETAIL PLAN				ELEV	ROOM	ERATE	INSUL	MIN WALL	ISS ISS	
ACC 2 LINE				GRID				EWRNUM	MEAS MIN	
COMMENTS										
HFD1013-E10 SIS: HFD1011-E10, HFD1012-E10 Z1-TEMP Z3-TEMP	45 ELBOW	X-764	10	EXTST 718 2'N23-3'WHB	3 LPCON	TB 12.0	12	.365 .243	HFD101-3 HFD101-3 .350	K140 P31298 K0140-01
HFD1013-E11A SIS: HFD1011-E11A, HFD1012-E11A Z1-HAND GRID OBS Z3-TEMP	TEE A	X-765A	16	EXTST 715 2'N23-0'@HF	3 LPCON	TB 140.0	10	.375 .250 M30686	HFD101-3 HFD101-3 .200	K141 P31808 K0141-01
HFD1013-E11B SIS: HFD1011-E11B, HFD1012-E11B	TEE A	X-765B	10	EXTST 715 2'N23-0'@HB	3 LPCON	TB 0.0	10	.365 .243	HFD101-3 HFD101-3	K141 P31808 K0141-01
HFD1013-E12 SIS: HFD1011-E12, HFD1013-E3 Z1-TEMP	PIPE	X-763	10	EXTST 722 2'N23-3'WHB	3 LPCON	TB 23.0	15	.365 .243	HFD101-3 HFD101-3 .337	K142 P31299 K0142-01
HFD1013-E3 EXTR TO FWH 4C Z1-TEMP Z3-TEMP	90 ELBOW	X-766	16	EXTST 715 8'N23-0@HB	7 LPCON	TB 137.0	12	.375 .250 M30704	HFD-101-3 D.5 .204	K133 P31803 K0133-01
HFD1013-E7 SIS: HFD1011-E7, HFD1012-E7 Z1-TEMP	PIPE	X-760	10	EXTST 722 2'S23-3'WHB	3 LPCON	TB 34.0	15	.365 .243	HFD101-3 HFD101-3 .324	K137 P31296 K0137-01
HFD1013-E8 SIS: HFD1011-E8, HFD1012-E8 Z1-TEMP Z3-TEMP	45 ELBOW	X-761	10	EXTST 718 2'S23-3'WHB	3 LPCON	TB 19.0	12	.365 .243	HFD101-3 HFD101-3 .342	K138 P31297 K0138-01

UNIT 1 -- EROSION/CORROSION EXAMS -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLCD ID	SYSTEM	AREA	BUILD	SCAFF	NUM WALL	LINE	MAP NO.	WA NO
DETAIL PLAN			ELEV	ROOM	ERATE	INSUL	MIN WALL	IS: ISO		
ASC 2 LINE			GRID				EWRNUM	MEAS MIN	ACTIVITY NO	
COMMENTS										
HFD1013-E9A SIS: HFD1011-E9A, HFD1012-E9A Z1-HAND GRID Z3-TEMP	TEE A	X-762A	EXTST 715 2'S23-0'@HB	3 LPCON	TB 130.0	10	.375 .250 M30702	HFD101-3 HFD101-3 .212	K139	P31807 K0139-01
HFD1013-E9B SIS: HFD1011-E9B, HFD1012-E9B	TEE A	X-762B	EXTST 715 2'S23-0'@HB	3 LPCON	TB 0.0	10	.365 .243	HFD101-3 HFD101-3	K139	P31807 K0139-01
SPEBD1111-E1A RFPT C HP ABOVE SEAT DRAINS HAND GRID	REDUCER	X-131A	RFPT 669 7'N23-3'WHE	7 T-40	TB 0.0	10 B	.400 .267	SP-EBD-111-1 D.60	K176	P31311 K0176-01
SPEBD1111-E1B RFPT C HP ABOVE SEAT DRAINS HAND GRID	REDUCER	X-131B	RFPT 669 7'N23-3'WHE	7 T-40	TB 9.0	10 B	.358 .239	SP-EBD-111-1 D.60 .347	K176	P31311 K0176-01
SPEBD1114-E1 RFPT BELOW SEAT DRN HAND GRID	90 ELBOW	X-109	RFPT 669 9N23-10WK	7 T-31	TB 14.0	10 B	.358 .239	SP-EBD-111-4 D.51 .341	K177	P31312 K0177-01
SPEBD1114-E2 RFPT BELOW SEAT DR FO-12712C Z1-TEMP	ORIFICE	X-108	RFPT 669 10'N23-9'WK	7 T-31	TB 0.0	10 B	.358 .239	SP-EBD-111-4 D.51	K178	P31313 K0178-01
SPEBD1134-E2 MAIN STEAM TO SSE DRAIN EXISTING GRID	90 ELBOW	X-129	TS 682 1'N18-4'WHB	2 T-113	TB 27.0	4 B	.358 .238	SP-EBD-113-4 D.59 .326	K186	P31434 K0186-01

UNIT 1 -- EROSION/CORROSION EXAM -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID ----- DETAIL PLAN ----- ACC 2 LINE ----- COMMENTS -----	DESCRIPTION -----	REPLCD ID -----	SIZE -----	SYSTEM ----- ELEV ----- GRID -----	AREA ----- ROOM -----	BUILD ----- ERATE -----	STAFF ----- INSUL -----	HTA WALL ----- MID WALL ----- EWTNUM -----	LINE ----- ISI ID ----- MEAS MTH -----	MAP NO. -----	WA NO ----- ACTIVITY NO -----
SPEBD1141-E1 HPCI STEAM LINE DRAIN EXISTING GRID	90 ELBOW	X-134	1	HPCI 723 8S23.5-9WP	25 R-411	WING 14.0	4 B	.358 .238	SP-EBD-114-1 D.63 .341	K214	P31329 K0214-01
SPEBD1143-E1 RCIC STEAM LINE DRAIN EXISTING GRID	90 ELBOW	X-133	1	RCIC 723 8S23.5-10WP	25 R-411	WING 34.0	4 B	.358 .238	SP-EBD-114-3 D.62 .317	K215	P31330 K0215-01
SPEBD1148-E1A MSIV DRAIN HAND GRID	TEE F	X-190A	4	MS 724 3'S24-9'EM	25 R-411	WING 7.0	10 B	.438 .291	SP-EBD-114-8 D.52 .427	K216	P31331 K0216-01
SPEBD1148-E1B MSIV DRAIN HAND GRID	TEE F	X-190B	1	MS 724 3'S24-9'EMEM	25 R-411	WING 0.0	10 B	.358 .238	SP-EBD-114-8 D.52	K216	P31331 K0216-01
SPGAD1382-E2 BYPASS STEAM LINE DRN FO-10108 Z1-TEMP	ORIFICE	X-92	1	BPS 689 15'N19-13'EG	2 T-113	TB 31.0	9 B	.250 .167	SP-GAD-138-2 D.45 .224	K157	P31305 K0157-01
SPGBD1042-E1 FWH 5A VENT HAND GRID	90 BEND	X-181	2	FW 704 4'N15-12'WM	9 T-215	TB 77.0	0 B	.344 .229 M3(1656)	SPGBD-104-2 D.83 .256	K158	P31306 K0158-01
SPGBD1231-E1 MAIN STEAM TO SJAE DRN Z1-HAND GRID Z3-TEMP	90 ELBOW	X-103	1	MCPR 672 2'S23-0'@GE	3 T-36	TB 17.0	12 B	.250 .167	SP-GBD-123-1 D.50 .236	K159	P31307 K0159-01

UNIT 1 -- EROSION/CORROSION EXAMS -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLCD II	SIZE	SYSTEM	AREA	BUILD	SCAFF	NOM WALL	LINE	MAP NO	WA NO
DETAIL PLAN				ELEV	ROOM	ERATE	INSUL	MIN WALL	ISI ISO		
ACC 2 LINE				GRIL				EWRNUM	MEAS MIN	ACTIVITY NO	
COMMENTS											
SPGBD1254-E1	BEND	X-206	1	M CPR	9	TB	0	.250	SP-GBD-125-4	K170	P31308
AUX SEAL STEAM SUPPLY DRAIN				733	T-416	64.0	B	.166	D.99		
HAND GRID				2'N15-1'WL				M30707	.196	K0170-01	
SPGBD13311-E1	90 ELBOW	X-208	1	RFPT	11	TB	3	.250	SPGBD-133-11	K180	P31315
B RFPT LP AFTER SEAT DRAIN				683	T-115	28.0	B	.166	D.101		
HAND GRID				5'S21-7'WKC					.227	K0180-01	
SPGBD13319-E1	90 ELBOW	X-212	.75	RFPT	10	TB	4	.219	SPGBD-133-19	K182	P31316
A RFPT CHEST DRAIN				681	T-116	22.0	B	.145	D.105		
HAND GRID				2'S19-9'EK					.203	K0182-01	
SPGBD13321-E1	90 ELBOW	X-214	.75	RFPT	11	TB	4	.219	SPGBD-133-21	K183	P31317
C RFPT CHEST DRAIN				681	T-114	28.0	B	.145	D.107		
HAND GRID				1'N23-8'EK					.198	K0183-01	
SPGBD13322-E1	90 ELBOW	X-213	.75	RFPT	11	TB	4	.219	SPGBD-133-22	K184	P31318
B RFPT CHEST DRAIN				681	T-115	11.0	B	.145	D.106		
HAND GRID				0'S21-9'EK					.211	K0184-01	
SPGBD1334-E1	90 ELBOW	X-209	1	RFPT	11	TB	3	.250	SP-GBD-133-4	K179	P31314
C RFPT LP AFTER SEAT DRAIN				683	T-114	0.0	B	.166	D.102		
HAND GRID				3'S23-8'WKC						K0179-01	
SPGBD1521-E3	BEND	X-43	1	RFPT	11	TB	0	.250	SP-GBD-152-1	K185	P31319
RFPT C MN STM DRAIN				679	T-114	46.0	B	.167	D.28		
HAND GRID				9'N23-11'EK					.212	K0185-01	

UNIT 1 -- EROSION/CORROSION EXAMS -- REPORT
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLCD ID	SYSTEM	AREA	DEPTH	SCAFF	IND. WALL	LINE	MAP NO.	WA NO
DETAIL PLAN		SIZE	ELEV	ROOM	ERATE	INSUL	MIN WALL	ISI ISO		
AGL / LINE			GRID				EWRNUM	MEAS MIN	ACTIVITY NC	
COMMENTS										
SPHAD10731-E1 RFPT B XAROUND STEAM DRAIN Z1-HAND GRID Z3-TEMP	90 ELBOW	X-39	RFPT 680 9'S21-2'EK	11 T-115	TB 32.0	0 B	.218 .145	SPHAD-1073-1 D.25 .195	K174	P31309 K0174-01
SPHAD1523-E1 SSE DRAIN TO FWH #2A HAND GRID	BEND	X-113/SPHBD1523-E1	TS 714 7'N19-2WGE	2 T-211	TB 19.0	11 B	.218 .145	SP-HAD-152-3 D.53 .204	K188	P31345 K0188-01
SPHAD1523-E2 SSE DRAIN TO FWH #2 HAND GRID OBS	VALVE HV-10270A	X-112/SPHBD1523-E2	TS 714 7'N19-3WGE	2 T-211	TB 8.0	11 B	.218 .145	SP-HAD-152-3 D.53 .212	K189	P31346 K0189-01
SPHAD1691-E2 SSE-BLOWDOWN HV-10761 HAND GRID	90 ELBOW	X-119	TS 681 2'S18-3'WHB	2 T-113	TB 42.0	0 B	.179 .119	SP-HAD-169-1 D.55 .154	K175	P31310 K0175-01
SPHBD10721-E1 RFPT C XAROUND DRAIN Z1-TEMP Z3-OBS	90 ELBOW	X-40	RFPT 680 8'S23-2'EK	7 T-114	TB 33.0	0 B	.218 .145	SPHBD-1072-1 D.26 .194	K190	P31320 K0190-01
SPHBD10742-E1 RFPT A XAROUND DRAIN Z1-TEMP Z3-OBS	90 ELBOW	X-38	RFPT 681 8'N20-3'EK	10 T-116	TB 14.0	0 B	.218 .145	SPHBD-1074-2 D.24 .208	K191	P31347 K0191-01
SPHBD1091-E2 EXTRACTION 3A DRAIN HV-10203A Z1-TEMP	VALVE	X-203	EXTST 706 1'S18-8'EHE	6 T-211	TB 34.0	4 B	.218 .145	SP-HBD-109-1 D.97 .193	K161	P31333 K0161-01

UNIT -- EROSION/CORROSION EXAMS -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLCD ID	SYSTEM	AREA	BUILD	SCAFF	KOM WALL	INS	MIN WALL	MEAS MIL	ACTIVITY NO	WA NO
DETAIL PLAN		SIZE	ELEV	ROOM	ERATE	INSUL	MIN WALL	INS	INS			
ACC 2 LINE			GRID				EWRNUM					
COMMENTS												
SPHBD1095-E1 EXTRACTION 3C DRAIN Z1-TEMP Z3-OBS	90 ELBOW	X-202	EXTST 701 1'S23-15'EHB	7 T-211	TB 25.0	0 B	.218 .145		SP-HBD-109-5 D.96 .200	K162 K0162-01	P31334	
SPHBD1096-E2 EXTRACTION 3B DRAIN HAND GRID OBS	VALVE HV-10204B	X-201	EXST 702 3'S21-3'EHE	7 T-211	TB 30.0	0 B	.218 .145		SP-HBD-109-6 D.95 .196	K163 K0163-01	P31335	
SPHBD1097-E1 EXTRACTION #3 DRAINS Z1-TEMP Z3-OBS	90 ELBOW	X-128	EXTST 701 3S19-5EHE	6 T-211	TB 19.0	0 B	.218 .145		SP-HBD-109-7 D-15 .204	K164 K0164-01	P31336	
SPHBD1104-E2 EXTRACTION 4C DRAIN Z1-TEMP Z3-OBS	90 ELBOW	X-198	EXTST 708 9'N23-10'EHE	7 T-211	TB 47.0	5 B	.218 .145		SP-HBD-110-4 D.92 .184	K165 K0165-01	P31337	
SPHBD1105-E2 EXTR 4C DRAIN (18C) Z1-TEMP Z3-OBS	90 ELBOW	X-28	EXTST 708 9'N24-4'WK	7 T-211	TB 45.0	5 B	.218 .145		SP-HBD-110-5 D.14 .185	K166 K0166-01	P31338	
SPHBD1107-E1 EXTRACTION 4B DRAIN Z1-TEMP Z3-TEMP	90 ELBOW	X-200	EXTST 710 6'N19-4'WK	6 T-214	TB 39.0	6 B	.218 .145		SP-HBD-110-7 D.94 .192	K167 K0167-01	P31339	
SPHBD1108-E2 EXTR 4B DRAIN (05B) Z1-TEMP Z3-TEMP	90 ELBOW	X-27	EXTST 714 7'N21-10'EHE	7 T-211	TB 47.0	12 B	.218 .145		SP-HBD-110-8 D.13 .184	K168 K0168-01	P31340	

UNIT : -- EROSION/CORROSION EXAMS -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID ----- DETAIL PLAN ----- ACC 2 LINE ----- COMMENTS -----	DESCRIPTION -----	REPLCD ID -----	SIZE -----	SYSTEM ELE GRID -----	AREA ROOM -----	BUILD ERATE -----	SCAFF INSUL -----	NOM WALL MIN WALL EWRNUM -----	LINE IS1 IS0 MEAS MIN -----	MAN NO. -----	WA NO. -----	ACTIVITY NO -----
SPHBD1151-E2 MAIN STEAM TO SJAE DRAIN #2 HAND GRID OBS	90 ELBOW	X-162	2	MCPR 701 6'S15-18'WHB	1 T-211	TB 12.0	0 B	.218 .145	SP-HBD-115-1 D.78 .209	K169	P31341	K0169-01
SPHBD1481-E1 MAIN STEAM TO SJAE DRN HAND GRID NO TEMP	BEND	X-102	1	MCPR 680 4'N18-5'WHB	2 T-113	TB 48.0	0 B	.179 .119	SP-HBD-148-1 D.49 .150	K171	P31342	K0171-01
SPHBD1481-E2 MAIN STEAM TO SJAE DRN FO-10701 Z1-TEMP	ORIFICE	X-101	1	MCPR 680 4'N18-6'WHB	2 T-113	TB 15.0	0 B	.179 .119	SP-HBD-148-1 D.49 .170	K172	P31343	K0172-01
SPHBD1483-E1 MAIN STEAM TO SJAE DRN 1-07-054 HAND GRID OBS	VALVE	X-100	1	MCPR 681 4'N18-9'WHB	2 T-113	TB 33.0	0 B	.179 .119	SP-HBD-148-3 D.49 .159	K173	P31344	K0173-01
SPHBD1621-E2 OFFGAS STEAM SUPPLY DRAIN Z1-TEMP Z3-TEMP	90 ELBOW	X-135	1	MCPR 700 4S15-16'EG	1 T-217	TB 0.0	0 B	.179 .119	SP-HBD-162-1 D.64	K217	P31352	K0217-01
SPHBD1713-E2 SSE VENT AFTER 1-07-001 Z1-TEMP	VALVE	X-114	1	TS 732 7'N16-0'@LA	9 T-416	TB 18.0	0 B	.179 .119	SP-HBD-171-3 D.54 .168	K192	P31348	K0192-01
SPHBD302310-E1 SIS: NONE HAND GRID NO TEMP AVAIL.	BEND	X-634	1.5	AUX BLR 669 4'S15-2'ELA	9 T-52	TB 127.0	10 B	.200 .133 M30698	SPHBD3023-10 D.184 .119	K200	P31349	K0200-01

UNIT 1 -- EROSION/CORROSION EXAMS -- REPORT 2
(SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID ----- DETAIL PLAN ----- ACC. LINE ----- COMMENTS -----	DESCRIPTION -----	REPLCD ID -----	SIZE -----	SYSTEM ----- ELEV ----- GRID -----	AREA ----- ROOM -----	BUILD ----- ERASE -----	SCAFF ----- INSUL -----	NUM WALL ----- MIN WALL ----- EWRNUM -----	LINE ----- 13: 130 ----- MEAS MIN -----	MAP NO. -----	WA NO -----	ACTIVITY NO -----
SPHBD302312-E1 SIS: NONE HAND GRID NO TEMP	90 ELBOW	X-635	.75	AUX BLR 9 672 T-52 4'S15-7'EK		TB 47.0	14 B	.154 .103	SPHBD3023-12 D.184 .130	K201	P31350	K0201-01
SPHBD302319-E1 SIS: NONE HAND GRID	90 ELBOW	X-632	1	AUX BLR 23 669 G-52 9'S40-6'EK		TB 37.0	10 B	.179 .119	SPHBD3023-19 D.183 .157	K202	P31351	K0202-01
SPHBD302319-E2 SIS: NONE HAND GRID NO TEMP	BEND	X-633	1	AUX BLR 23 667 G-52 4'S40-8'EL		TB 28.0	8 B	.179 .119	SPHBD3023-19 D.183 .162	K203	P31328	K0203-01
SPHBD30234-E1 SIS: NONE HAND GRID	90 ELBOW	X-636	1.5	AUX BLR 5 669 T-52 6'N14-2'WJB		TB 42.0	10 B	.200 .133	SPHBD3023-4 D.184 .172	K197	P31325	K0197-01
SPHBD30234-E2 SIS: NONE HAND GRID NO TEMP	BEND	X-637	1.5	AUX BLR 5 711 T-217 10'N15-3'WJB		TB 48.0	8 B	.200 .133	SPHBD3023-4 D.184 .168	K198	P31326	K0198-01
SPHBD30234-E3 SIS: NONE HAND GRID	90 ELBOW	X-638	1.5	AUX BLR 5 711 T-217 4'S14-6'WJB		TB 36.0	8 B	.200 .133	SPHBD3023-4 D.184 .168	K199	P31327	K0199-01
VNBB211-E1 MS LINE C Z1 & Z2-HAND GRID Z3-TEMP	90 ELBOW	X-459	26	MS 26 787 R-516 252 AZ-19-RCL		RB 40.0	15 M	1.138 .893	VNBB-211-1 D.81 1.051	K148	P31300	K0148-01

URGENT : EROSION/CORROSION EXAMS -- REPORT 2
 (SORTED BY PRIORITY)

REPORT DATE: 01/06/94

COMPONENT ID	DESCRIPTION	REPLC. #	SYSTEM	AREA	BUILD	SCAFF	NOM WALL	LINE	HGP NO.	WA NO
DETAIL PLAN		SIZE	ELEV	ROOM	ERATE	INSUL	MIN WALL	IS: ISD		
ACC. LINE			GRID				EWRNUM	MEAS MIN	ACTIVITY NO	
COMMENTS										
VNBB211-E2 MAIN STEAM 'C' INSIDE CONT. Z1-HAND GRID Z3-OBS	90 ELBOW	X-174	MS 741 252 AZ-28RCL	26 R-516	RB 26.0	0 M	1.138 .893	VNBB211-1 D.81 1.090	K152	P31304 K0152-01
VNBB211-E3 SIS: X-174, 460, 462 Z1-TEMP Z3-TEMP	45 ELBOW	X-460	MS 750 72AZ-26RCL	26 R-516	RB 36.0	10 M	1.138 .893	VNBB211-1 D.150 1.062	K149	P31301 K0149-01
VNBB212-E1 SIS: X-174, 462, 464 Z1-TEMP Z3-TEMP	45 ELBOW	X-464	MS 750 288AZ-26RCL	26 R-516	RB 30.0	9 M	1.138 .893	VNBB212-1 D.148 1.078	K150	P31302 K0150-01
VNBB212-E3 SIS: X-174, 460, 464 HAND GRID	90 ELBOW	X-462	MS 741 108AZ-28RCL	26 R-516	RB 33.0	0 M	1.138 .893	VNBB212-1 D.149 1.071	K151	P31303 K0151-01
1SCVL-E27 CV HP STEAM LEAKOFF HAND GRID	90 ELBOW	X-89	TS 715 1'N18-6'WJC	6 T-211	TB 6.0	12 B	.200 .133	1SCVL D.44 .196	K193	P31321 K0193-01
1SLCIV-E19 CIV-CSV STEAM LEAKOFF HNAD GRID	ELBOW	X-99	TS 743	6 T-420	TB 12.0	12 M	.200 .133	1SLCIV D.48 .192		
2SCVL-E13 CV LP STEAM LEAKOFF HAND GRID NO TEMP	90 ELBOW	X-90	TS 715 6'N19-4'EJC	6 T-211	TB 48.0	12 B	.200 .133	2SCVL D.41 .168	K194	P31322 K0194-01



UNIT 1 -- EROSION/CONTAMINATION EXAMS -- REPORT 2
 (SORTED BY PRIORITY)

REPORT DATE: 01/08/84

COMPONENT ID	DESCRIPTION	REPLCD ID	SIZE	SYSTEM	APP	WELD	SCAFF	NOM WALL	LINE	MAP NO.	WA NO
DETAIL PLAN				ELEV	ROOM	ERATE	INSUL	MIN WALL	ISI ISO		
ACC 2 LINE				GRID				EWRNUM	MEAS MIN	ACTIVITY NO	
COMMENTS											
3SCVL-E14 CV SEALING STEAM HAND GRID	BEND	X-91	.5	TS 716 3'S17-4'EJC	6 T-211	TB 40.0	12 B	.147 .100	3SCVL D.41 .128	K195	P31323 K0195-01

TOTAL EXAMS: 169