

Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

Harold W. Kelser Vice President-Nuclear Operations 215/770-7502

JAN 27 1987

Director of Nuclear Reactor Regulation Attention: Ms. E. Adensam, Project Director BWR Project Directorate No. #3 Division of Licensing U.S. Nuclear Regulatory Commission Washington DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2 FIRST REFUEL OUTAGE ISI SUMMARY REPORT CCN 741317 FILE R15-4, R41-2 PLA-2789

Dear Ms. Adensam:

Attached for your use is a copy of the Susquehanna Steam Electric Station Inservice Inspection Outage Summary Report for the Unit 2 First Refuel 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,

H. W. Keiser

Vice President - Nuclear Operations

Attachment

cc: Document Control Desk w/original
 Mr. L. R. Plisco - NRC Resident
 Mr. M. C. Thadani - NRC Project Manager
 NRC Region 1

50-388

SUSQUEHANNA STEAM ELECTRIC STATION

INSERVICE INSPECTION

OUTAGE SUMMARY REPORT

for the

UNIT 2

FIRST REFUELING OUTAGE AND A

JANUARY, 1987

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FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1.	Pennsylvania Power and Light Company . Owner 2 North 9th Street. Allentown, PA 18101	
	(Name and Address of Owner) Susquehanna Steam Electric Station	i english sa
2.	. Plant Route 11, Berwick, PA 18603	
	(Name and Address of Plant)	19 11
3.	. Plant Unit4. Owner Certificate of Authorization (if required	N/A
5.	. Commercial Service Date 2-12-85 6. National Board Number for UnitN/Z	

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RHR				
Service Water	Bechtel	2-16A	N/A	N/A~
Fuel Pool Cooling	Bechtel	2-35B	N/A	N/A
Feedwater	Bechtel	2-45A	N/A	**** N.\V ;
RHR	Rechtel	A,B,D 2-49 E,F,G	N/A	N/A
RCIC	Bechtel	2-50 B,C	N/A	· N/A·
Core Spray	Bechtel	2-51A	N/A	N/Á
HPCI	Bechtel	2-52A,B	N/A	itavu u'
SBLC	Bechtel	2-53A	N/A * *.*	N/A**
ESW	Bechtel	2-54A	N/A	n'.∧
CRD	Bechtel	2-55B	N/A	N/A
RWCU	Bechtel	2-61B	N/A	N/A
Reactor Vessel Nuclear Boiler	CB&l/Bechtel	B5024/2-62A	B111231	3687
Reactor Recirculation	Bechtel	2-64A,B	N/A	N/A
Main Steam	Bechtel	2-83A,B,D	N/A	N/A
MSIV Leakage Contro	Bechtel	2-83H	N/A	N/A
RHR	Montreal Locomotive works	106390/106410	469380/ 469381	122/124

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

FORM NIS-1 (back)

	8. Examination Dates 2-12-85 to 10-29-86 9. Inspection Interval from 2-12-85 to 2-12-95
aut.	Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See attached report.
្សាស្ត្រ ស្ត្រី	111 Abstract of Conditions Noted. See attached report.
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noi.	297 5 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
1 1	Date 1/19 19 87 Signed ROBERT G. BYRAM BY SUPT. OF PLANT
	Certificate of Authorization No. (if applicable)N/A Expiration DateN/A
r	CERTIFICATE OF INSERVICE INSPECTION
A C C C C C C C C C C C C C C C C C C C	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 PENNA. and employed by
	William P. Rogus III Commissions NB7930 PA2204 NIBS IS Inspector's Signature National Board, State, Province and No.
: 1	•

* Arkwright Boston Mfgrs. Mutual Ins. Co. 225 Wyman Street Waltham, MA 02154



A. INTRODUCTION

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- 1. Susquehanna Steam Electric Station, Unit 2, began commercial operation on February 12, 1985. The unit was shutdown for its first refueling outage on August 9, 1986, 20 months into the 36 month First Inspection Period of the First Ten Year Interval. The refueling outage and the Inservice Inspections were completed on October 29, 1986. This report covers the examinations, tests, repairs and replacements since the unit began commercial operation.
- 2. The applicable year and addenda of the ASME Boiler and Pressure Vessel Code, Division 1, Section XI for SSES Unit 2 is the 1980 Edition through and including the Winter 1981 Addenda. PP&L has selected the 10 year inspection Interval B as described in IWA-2420.
- 3. This report is divided into the various sections listed below:
 - o Piping and component Examinations
 - o Reactor Pressure Vessel Examinations
 - o System Pressure Tests
 - o Snubber Functional Tests
 - o ASME Repairs and Replacements

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

- 4. Specific code compliance items and percentages attained are listed in the Code Compliance summary, Appendix B.
- 5. The Authorized Nuclear Inservice Inspectors for this period were in the service inspectors for this period were in the service in the serv

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Arkwright Boston Manufacturers Mutual Insurance Co.
225 Wyman Street

Waltham, Massachusetts

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B. PIPING AND COMPONENT EXAMINATIONS

1. Abstract of Examinations

a. The piping and component examinations were conducted in accordance with section IWB, IWC, IWD and IWF 2000 of ASME Section XI and PP&L document ISI-T-207.0. The NDE contractor utilized was the Southwest Research Institute, San Antonio, Texas. A detailed listing of the examinations performed and the results are contained in Appendices A.1 and A.2.

b. Code Compliance Summary

Appendix B provides a breakdown by Code Category and Item Number for all Section XI Class 1 and 2 components. System pressure tests are covered in Section D of this report. This listing includes the total of PP&L's selected components for the First Inspection Interval and compares it with the actual first period completion. Percentages are shown for completed work in the first period and also for the first Interval.

2. Abstract of conditions noted and corrective actions

a. A surface indication was discovered near RHR B loop weld GBB 204-4-2C. This indication exceeded the Class I acceptance criteria listed in table IWB 3514.2. NCR 86-0424 was generated though the component was Class 2 with no acceptance criteria.

The indication was determined to be a manufacturing defect by metallographic analysis and removed by mechanical means as a non-welded repair.

Since the indications were not service induced, the requirements of IWC-2340 do not apply and no additional examinations were performed.

b. Two loose Hilti nuts were discovered on Rigid support DBB 229-1-Hl during visual inspection. NCR 86-0466 was written in accordance with the requirements of IWF 3410 a.2. The rework of the hanger consisted of retorquing the loose nuts and inspecting the adjacent hanger for damage in accordance with ISI-T-117.0. Six additional welds along the header supported by the hanger were examined for damage.

No damage was identified on the additional examination of hanger DBB 229-1-H2. Surface imperfections were identified on four of the additional welds and were determined not service related by metallographic analysis. The indications were removed as non-welded repairs. Thermal expansion of the system was verified by PP&L and found acceptable.

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c. Incomplete examinations

There were a total of four examinations where access to the volume requiring nondestructive testing was limited due to configuration. These areas will be submitted along with the SSES Unit 2 First Refuel Outage limited exams requesting relief. The components affected are as follows:

System	Component Identification	% Coverage Attained
RWCU	DBA 201-1 FW23	35%
HPCI	HBB 209-1 H54	85% ,
CS	DBB 213-1 FW3	95%
RWCU	DCA 202-1 FW1	50%

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C. REACTOR PRESSURE VESSEL EXAMINATIONS

1. Abstract of Examinations

RPV Internal examinations were performed by a joint team of contractor personnel from CTS and Southwest Research Institute. The CTS personnel handled the video equipment, while the SWRI personnel interpreted the examination data.

2. Code Compliance summary

Appendix A.2 provides a detailed listing of the components within the vessel examined. These items are listed under code category B-N-1 and B-N-2.

- 3. Abstract of conditions noted and corrective measures taken.
 - a. Non-Section XI examinations were performed on the Steam Dryer and Separator. Numerous cracks were found in the Steam Dryer due to the Intergranular Stress Corrosion Cracking mechanism. This condition is documented on PP&L NCR 86-0467.
 - b. Gaps of .005" to .015" were identified between the jet pump restrainer set screws and the jet pumps at four locations. The condition was documented on PP&L NCR 86-0521.

An engineering analysis was performed and it was determined that safe operation may be obtained with gaps up to .030". The condition was accepted as is by PP&L Nuclear Plant Engineering.

c. A partial examination was performed on the vessel dryer support brackets with 75% coverage obtained. The remaining 25% will be examined during the Unit 2 Second Refuel Outage. Where coverage was obtained, the results were satisfactory with no service induced indications identified.

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1. Abstract of Tests Conducted

Ten system pressure tests were performed during the outage. The systems were pressurized to operating pressure and certified visual examiners performed the VT-2 examinations. The test boundaries and pressures are detailed in the specific system surveillance procedure (SE) for each test.

The systems tested are as follows:

System	Procedure
RHRSW	SE-216-301
FW	SF-145-301
RHR	SE-249-301
RCIC	SE-250-301
CS	SE-251-301
HPCI	SE-252-301
ESW	SE-254-301
CRD	SE-255-301
SBLC	SE-253-301
Class 1 Boundary	SE-200-002

2. Code Compliance Summary

- a. Code Category B-P requires a system pressure test per IWB-5221 each refueling outage. This item was satisfied under SE-200-002.
- b. Code Category B-P requires a system hydrostatic test each inspection interval. No work was performed in this area.
- c. IWC and IWD-5000 requires a system pressure test each inspection period for Class 2 and 3 systems. This requirement was satisfied for the systems listed under section D.1. No system hydrostatic tests were performed for the interval on Class 2 or 3 systems.
- 3. Abstract of conditions noted and corrective measures taken.
 - a. No through wall leakage of the pressure retaining boundary was identified. Minor mechanical leaks in packing, seals, etc. were identified during the inspections. These leaks were documented on Work Authorizations and corrected by plant maintenance personnel.

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E. MECHANICAL SNUBBER FUNCTIONAL TESTS

1. A total of 318 mechanical snubbers were functionally tested. All snubbers were manufactured by Pacific Scientific. The contractor utilized was Wyle Testing. The snubbers were selected and tested in accordance with Susquehanna Steam Electric Station Technical Specification 3/4.7.4, Snubbers. PP&L previously submitted relief request #2RR-7 requesting specific relief from the requirements of IWF-5000 in ASME Section XI. This relief request is contained in document ISI-T-206.0 Inservice Inspection Program Plan First Ten Year Inspection Interval.

VT-3 and VT-4 examinations were conducted in accordance with ASME, XI by Southwest Research Institute.

2. Code Compliance Summary

Per relief request #2RF-7, the functional testing of snubbers was conducted in accordance with the Plant Technical Specification 3/4.7.4. The requirements of this specification were satisfied. The detailed listing of component VT-3 and VT-4 examinations can be found in Appendix A.

The Snubber functional test detailed listing can be found under Appendix C.

- 3. Abstract of Conditions noted and corrective measures taken.
 - a. The testing options allowed by the Unit 2 Technical Specifications resulted in snubbers being divided into four types for testing. These consisted of:

Group 1	Size $1/4$ and $1/2$
Group 2	Size 1,3 and 10
Group 3	Size 35 and 100
Group 4	Size PSB .05 and .12

Sampling plans were applied independently. Groups 1 and 4 used Option 'a' of 3/4.7.4. Groups 2 and 3 used Option 'b' of 3/4.7.4.

b. The following results were achieved in compliance with the Technical Specification for testing and sampling:

GROUP	GROUP TOTAL	NO. TESTED	NO. FAILED
1	170	. 164*	9
2	443	37	0
- 3	534	110	4
4	9	1	0

* The remaining six snubbers in Group 1 were tested as special case snubbers, of which 2 failed.

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c. The snubbers that failed testing were replaced with successfully tested spare snubbers.

An engineering evaluation was performed for all general population and special case snubbers that failed testing. The evaluation concluded that all supported components were still capable of meeting their intended design function and service requirements.

- 4. Detailed Listing: _See Appendix C
 - a. Procedures utilized: AD-QA-195 Rev 01, MT-099-006 Rev 0
 - b. Snubbers tested, failures and replacements are listed in Appendix C. NIS-2 forms for the replacement snubbers are listed in Appendix D.1.

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F. ASME REPAIRS AND REPLACEMENTS

1. Introduction

This section of the Summary Report contains work performed on ASME Section XI_items identified by Work Authorizations (WAs) and Design Change Packages (DCPs). The scope of work addressed encompasses the period from commercial operation to the completion of the Unit 2 First Refuel Outage.

2. Code Compliance Summary

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

3. Mechanical Maintenance is responsible for conducting repairs and replacements under the WA process and documented on NIS-2/R-1 forms. The detailed listing of work performed is summarized below. The NIS-2/R-1 Forms are in Appendix D.1.

Mechanical Maintenance Detailed Listing

WA NUMBER	SYSTEM/CLASS	DESCRIPTION
V64446	216A III	Replace flange on pipe spool HRC-212-1-5
V64447	216A III	Replaced flange on pipe spool. HRC-212-2-5
V64610	216A III	Replace valve PSV-21213B
บ33050	218A VIII	Replace heater well in air dryer 2F-116A
V53408	218A VIII	Replace heater element and tube in air dryer vessel; 2F-116B
S24926	225A II	Refit and welded inlet and outlet flange valve PSV-22643
S24926	225A II	Refit and welded inlet and outlet flange valve PSV-22648
บ33753	225A III	Seal weld body to bonnet on valve- SV-22643
U33754	225A III	Seal weld body to bonnet on valve 2-26-015
V53010	225A III	Replaced bellows in valve PCV-22643
V63225	225A III	Body to bonnet weld ground out to permit disassembly and reweld valve 226-063
V63226	225A III	Body to bonnet weld ground out to permit disassembly and reweld
V63229	225A III ·	Body to bonnet weld ground out to permit disassembly and reweld
V63230	225A III	Replaced disc in valve 226-066

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WA NUMBER .	SYSTEM/CLASS	DESCRIPTION
V63558	225A III	Replaced valve SV-22643
V63559	· 225A III	Replaced pilot disc in valve SV-22648
V64636	225A III	Replaced disc and spring in valve PSV-22643
V64675	225A III	Replaced valves 2-26-015 and SV-22643
V64696	225A III	Replaced seat sleeve in Vlve PSV-22643
V64697	225A III	Remove tackwelds, rework internals
V63025	234G III	Replace valve stems and disc's on valves RV1 & RV2 FE-21182B and RV1 & RV2 FP-21182D
V64146	234K II	Replaced disc in valve HV-28791A2
V64552	245A II	Replaced Brg. cover nuts on valve HV-2F032B
V63913 🖺	249A I	RWS-200-H33 Snubber Replacement
V63878	249B I	DCA-210-H14 Snubber Replacement
V63917	249F I	SP-DCA-210-H5006 Snubber Replacement
U43016	249G I	Replace valve HV-251F015B seat ring & resurfaced disc with weld build-up
V43350	249G I	Rework valve HV251F015B and build-up valve disc guide surface
V44657	249G I	Installed wear strip and guide rib on valve HV-251F015B
V43932	249G I	Installed wear strip (tack welded) on valve HV-251F015A
V43947	249G I	Prepared lower guide and installed new disc (heat #F6684) in valve
		HV-251F015B
V44548	249G I	Increased inner diameter of body in valve HV-251F050A
V64549	· 249G I	Replaced disc in valve HV-251F015A
V64836	249G I	Replaced plug and stem in valve HV-2F122B
Ľ 33639	249A II	Replaced disc and stem
U33663	249A II	Replaced disc in valve HV-251F040
U34092	249A II	Replaced disc in valve HV-251F017B
V44644	. 249A II	Added permanent lifting lugs to valve 251F031B
V63110	249A II .	Tack weld disc to disc nut on valve 251F024A
V63111	249A II	Replaced disc in valve HV-E11-2F024B
V63112	249A II	Replaced main disc in valve 5V-22360A
V63113	249A II	Replaced main disc in valve 5V-22360B
V63160	249A II	Weld repaired valves 251F046A and 251F046C
V63161	249A II	Weld repaired valves 251F046B and 251F046D
V64274	249A IJ	Removed ISI indications on weld GBB-204-4-2C
V64832	249A II	Remove ISI indications
v64833	249A II	Replace snubber on hanger GBB-215-H15
¥3-140	249B II	Seal weld body to bonnet on valve SV-251F080A

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V44261 249B II	WA NUMBER	SYSTEM/CLASS	DESCRIPTION
V44262	V44261	249B II	Replaced valve 251F106A
V44263			
V44264			
V63126 249B II			
No. No.			
V63163 249B II Remove rear bracket of hanger; re-	103120	249D 11	
V63163 249B II Remove rear bracket of hanger; re-	V63162	249B II	Weld repaired valve 2F054A
New Note Face New Note Ne	V63163	249B II	
Placed 7 studs, 14 nuts on vessel on RHR Heat Exchanger	V63371		
No. No.			placed 7 studs, 14 nuts on vessel on
V63370/V64153 249B II	V63231	249B II	Replaced plugs in valves PV-E11-2F051B and PV-E11-2F052B
Heat Exchanger, plugged leaking tube	V64152	249B II	Plug leaking tubes
Heat Exchanger, plugged leaking tube	V63370/V6415	3 249B II	Replaced 7 studs and 14 nuts on RHR
V63024 249E II			Heat Exchanger, plugged leaking tube
No. No.	V63976	249C II	
V64224 249E II Replaced disc in valve RV2 FT-25120A V64040 249F II GBB-209-H67 Snubber Replacement V63991 249J II GBB-214-H52 & GBB-214-H53 Snubber Replacement Replacement V63928 250C I SP-DCA-229-H3006 & SP-DCA-230-H3022 Snubber Replacement Rewelded disc to nut welds on valve W4248 250A II Rewelded disc to nut welds on valve W63994 250B II DBB-209-H12 Snubber Replacement U63005 250A II Replaced spring and washer in valve PSV-2F097 PSV-2F097 V53933 250B II Replaced LSH-E51-2N010 level switch and plug Replaced LSH-E51-2N010 level switch v63158 251A II Tack weld and fillet weld check valve hinge support bracket, cap screw V63159 251A II Tack weld and fillet weld check valve v63902 252B II SP-DBB-215-H5005 Snubber Replacement V44237 252B II Reinstall hanger SP-HBB-234-H14 after v44473 252B II SP-DBB-215-H5005 Snubber Replacement V44609 252B II Weld repaired valve 255F049	v63024	249E II	
V64040 249F II GBB-209-H67 Snubber Replacement V63991 249J II GBB-214-H52 & GBB-214-H53 Snubber Replacement Replacement V63928 250C I SP-DCA-229-H3006 & SP-DCA-230-H3022 Snubber Replacement Revelded disc to nut welds on valve HV-249F022 HV63994 250B II DBB-209-H12 Snubber Replacement V63005 250A II Replaced spring and washer in valve PSV-2F097 PS3933 250B II Replaced LSH-E51-2N010 level switch N63158 251A II Replaced LSH-E51-2N010 level switch N63159 251A II Weld repaired valves 252F036B and V63159 251A II Weld repaired valves 252F036B and V63902 252B II SP-DBB-215-H5005 Snubber Replacement V44237 252B II Reinstall hanger SP-HBB-234-H14 after 1ube oil cooler maintenance V44473 252B II Reinstall hanger SP-HBB-234-H14 after 1ube oil cooler maintenance V44609 253A I Seal weld body to bonnet on valve V63509 253A II Replace explosive actuator after firing in valves 248F004A and B<	V64224	249E II	
V63991 249J II GBB-214-H52 & GBB-214-H53 Snubber Replacement V63928 250C I SP-DCA-229-H3006 & SP-DCA-230-H3022 Snubber Replacement V4248 250A II Rewelded disc to nut welds on valve HV-249F022 V63994 250B II DBB-209-H12 Snubber Replacement U63005 250A II Replaced spring and washer in valve PSV-2F097 V53933 250B II Replaced LSH-E51-2N010 level switch and plug V63158 251A II Tack weld and fillet weld check valve hinge support bracket, cap screw V63159 251A II Weld repaired valves 252F036B Arabinet V63902 252B II SP-DBB-215-H5005 Snubber Replacement V64237 252B II Reinstall hanger SP-HBB-234-H14 after lube oil cooler maintenance V44473 252B II Reinstall hanger SP-HBB-234-H14 after lube oil cooler maintenance V64409 252B II Weld repaired valve 255F049 V63509 253A II Seal weld body to bonnet on valve C41-2F007 V63509 253A II Replace explosive actuator after firing in valves 248F004A and B V64004 254A III Replaced valve 2-10-110 V64410 254A III Replaced valve 2-10-110 V64353 254A III Replaced valve 2-10-110 V64355 254A III Replaced valve 2-10-112 V64369 255B II Replaced valve 2-10-112 SF-HRC-239-H5012 Snubber Replacement V64469 255B II Replaced valve 2-10-112 SF-HRC-239-H5012 Snubber Replacement V64469 255B II Removed ISI indications On weld V64469 255B II Removed ISI indications On weld V64469 255B II Removed ISI indications Or weld V64469 255B II Removed ISI indications V6460 V64609 V646			
Replacement			
Snubber Replacement		_ ,,	Replacement
V44248 Z50A II	V63928	250C I	
V63994 250B II	V44248	250A II	Rewelded disc to nut welds on valve
U63005 250A II Replaced spring and washer in valve PSV-2F097	V63994	250B II	DBB-209-H12 Snubber Replacement
V53933 250B II Replaced LSH-E51-2N010 level switch and plug			Replaced spring and washer in valve
V63158 251A II Tack weld and fillet weld check valve hinge support bracket, cap screw V63159 251A II Weld repaired valves 252F036B and 252F036D V63902 252B II SP-DBB-215-H5005 Snubber Replacement Reinstall hanger SP-HBB-234-H14 after lube oil cooler maintenance V44237 252B II Reinstall hanger SP-HBB-234-H14 after lube oil cooler maintenance V44473 252B II Installed new disc in valve 255F049 V44609 252B II Weld repaired valve 255F049 U33593 253A I Seal weld body to bonnet on valve C41-2F007 V63509 253A II Replace explosive actuator after firing in valves 248F004A and B V64004 254A III HRC-229-H29 Snubber Replacement Replacement valve 2-10-110 V64409 254A III Replaced valve 2-10-113 V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V6469 254B III SF-H3C-239-H5012 Snubber Replacement Removed ISI indications on weld	V53933	250B II	Replaced LSH-E51-2N010 level switch
hinge support bracket, cap screw V63159	V63158	251A TT	
V63159 251A II Weld repaired valves 252F036B and 252F036D V63902 252B II SP-DBB-215-H5005 Snubber Replacement Reinstall hanger SP-HBB-234-H14 after lube oil cooler maintenance lube oil cooler maintenance V44473 252B II Installed new disc in valve 255F049 V44609 252B II Weld repaired valve 255F049 U33593 253A I Seal weld body to bonnet on valve C41-2F007 V63509 253A II Replace explosive actuator after firing in valves 248F004A and B V64004 254A III HRC-229-H29 Snubber Replacement Replaced valve 2-10-110 V64409 254A III Replaced valve 2-10-113 V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V6406 254B III SF-HRC-239-H5012 Snubber Replacement Removed ISI indications on weld	.05150	-544	
V63902 252B II SP-DBB-215-H5005 Snubber Replacement V44237 252B II Reinstall hanger SP-HBB-234-H14 after lube oil cooler maintenance V44473 252B II Installed new disc in valve 255F049 V44609 252B II Weld repaired valve 255F049 U33593 253A I Seal weld body to bonnet on valve C41-2F007 V63509 253A II Replace explosive actuator after firing in valves 248F004A and B V64004 254A III HRC-229-H29 Snubber Replacement V64409 254A III Replaced valve 2-10-110 V64410 254A III Replaced valve 2-10-113 V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V6406 254B III Replaced valve 2-10-112 V6406 255B II Removed ISI indications on weld	V63159	251A II	
\(\text{V63902} \) 252B II \text{SP-DBB-215-H5005} \text{Snubber Replacement} \\ \text{V44237} \text{252B II} \text{Reinstall hanger SP-HBB-234-H14 after} \\ \text{lube oil cooler maintenance} \\ \text{V44473} \text{252B II} \text{Installed new disc in valve 255F049} \\ \text{V44609} \text{252B II} \text{Weld repaired valve 255F049} \\ \text{U33593} \text{253A I} \text{Seal weld body to bonnet on valve} \\ \text{C41-2F007} \\ \text{V63509} \text{253A II} \text{Replace explosive actuator after} \\ \text{firing in valves 248F004A and B} \\ \text{V64004} \text{254A III} \text{Replaced valve 2-10-110} \\ \text{V64409} \text{254A III} \text{Replaced valve 2-10-113} \\ \text{V64353} \text{254A III} \text{Replaced valve 2-10-109} \\ \text{V64355} \text{254A III} \text{Replaced valve 2-10-112} \\ \text{V6406} \q			•
V44237 252B II Reinstall hanger SP-HBB-234-H14 after lube oil cooler maintenance V44473 252B II Installed new disc in valve 255F049 V44609 252B II Weld repaired valve 255F049 U33593 253A I Seal weld body to bonnet on valve C41-2F007 V63509 253A II Replace explosive actuator after firing in valves 248F004A and B V64004 254A III HRC-229-H29 Snubber Replacement Replaced valve 2-10-110 V64409 254A III Replaced valve 2-10-113 V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V6406 254B III SF-HBC-239-H5012 Snubber Replacement Removed ISI indications on weld	V63902	252B TT	
Lube oil cooler maintenance V44473 252B II Installed new disc in valve 255F049 V44609 252B II Weld repaired valve 255F049 U33593 253A I Seal weld body to bonnet on valve C41-2F007 V63509 253A II Replace explosive actuator after firing in valves 248F004A and B V64004 254A III HRC-229-H29 Snubber Replacement V6409 254A III Replaced valve 2-10-110 V6410 254A III Replaced valve 2-10-113 V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V64006 254B III SF-HBC-239-H5012 Snubber Replacement V6469 255B II Removed ISI indications on weld			
V44473 252B II Installed new disc in valve 255F049 V44609 252B II Weld repaired valve 255F049 U33593 253A I Seal weld body to bonnet on valve C41-2F007 V63509 253A II Replace explosive actuator after firing in valves 248F004A and B V64004 254A III HRC-229-H29 Snubber Replacement V64409 254A III Replaced valve 2-10-110 V64353 254A III Replaced valve 2-10-113 V64355 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V6406 254B III SF-HRC-239-H5012 Snubber Replacement V6469 255B II Removed ISI indications on weld			
V44609 252B II Weld repaired valve 255F049 U33593 253A I Seal weld body to bonnet on valve C41-2F007 V63509 253A II Replace explosive actuator after firing in valves 248F004A and B V64004 254A III HRC-229-H29 Snubber Replacement V64409 254A III Replaced valve 2-10-110 V64410 254A III Replaced valve 2-10-113 V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V64006 254B III SF-H3C-239-H5012 Snubber Replacement V6469 255B II Removed ISI indications on weld	V44473	252B II	
U33593 253A I Seal weld body to bonnet on valve			Weld repaired valve 255F049
V63509 253A II Replace explosive actuator after firing in valves 248F004A and B V64004 254A III HRC-229-H29 Snubber Replacement V64409 254A III Replaced valve 2-10-110 V64410 254A III Replaced valve 2-10-113 V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V64006 254B III SF-HRC-239-H5012 Snubber Replacement V64469 255B II Removed ISI indications on weld	•		Seal weld body to bonnet on valve
firing in valves 248F004A and B V64004		0501 77	
V64409 254A III Replaced valve 2-10-110 V64410 254A III Replaced valve 2-10-113 V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V64006 254B III SF-HRC-239-H5012 Snubber Replacement V64469 255B II Removed ISI indications on weld	V63509		firing in valves 248F004A and B
V64410 254A III Replaced valve 2-10-113 V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V64006 254B III SF-HRC-239-H5012 Snubber Replacement V64469 255B II Removed ISI indications on weld		-	
V64353 254A III Replaced valve 2-10-109 V64355 254A III Replaced valve 2-10-112 V64006 254B III SF-HRC-239-H5012 Snubber Replacement V64469 255B II Removed ISI indications on weld			
V64355 254A III Replaced valve 2-10-112 V64006 254B III SF-HFC-239-H5012 Snubber Replacement V64469 255B II Removed ISI indications on weld			
V64006 254B III SF-HRC-239-H5012 Snubber Replacement V64469 255B II Removed ISI indications on weld			
V64469 255B II Removed ISI indications on weld			
	V64469	255B II	

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WA NUMBER	SYSTEM/CLASS	DESCRIPTION
V64645	255B II	Replaced disc in valve W-10-35
V64646	255B II	Replaced disc in valve I-06-35
U33930	261B I	Replaced and machined disc (heat #E2432) in valve HV-244F001
v63937	261C I	SP-DCA-233-H3003 Snubber Replacement
V44260	261A III	
		Welded new flange to existing flow transmitter FT-24589B
U34021	261B III	Replaced gland studs and nuts in pump 2P-221A
V53135	261B III	Repair and rework RWCU pump 2P-221B internals to correct leakage
V63023	261B III.	Replace valve stems and discs in' valves FT-2N012 RV1,2,3 & 4
V63120/V64689	261B III	Grind out defective diaphram and weld
V05120/ V04005	2015 111	a new diaphram back on heat exchanger
u34059/u34025	1/ 262A T	Replaced CRDs 42-55, 34-27, 42-11
U34094/U34102		02-43, 46-31
V53447	262A I	Replaced disc in valve HV-241F001
' V63128	262A I	
V63126 V63131/V63134		Replaced disc in valve HV-B21-F002
V63131/V63134 V63135/V63139		Replaced CRD's 58-43 & 46-56
•		Replace CRD's 42-59 & 30-47.
V63137/V63144	•	Replace CRD's 42-31, 26-19, 22-19,
V63378/V63141		50-35, 02-27, & 26-43
V63142/V63133		- 4
V63138/V63146		Replace CRD's 34-35 & 18-27
V63145/V63377	•	Replace CRD's 18-39, 06-23, 10-39,
V63148/V63143 V63380/V63149		22-55, 02-39, 06-47, 14-23, 06-15, 30-03, & 18-03
V63132/V63379		50-05, & 10-05
· V63140/V63147	-	
V63150/V63136		Replace CRD's 06-27 & 42-47
V63154/V64481		Replaced cover stude and nuts on
·		valve HV-241F028D
V63192/V63248	3 262A I	Removed MSRV's from plant; retested .
		valves offsite per spec M-1085; re- installed MSRV's
V63893	262B I	SP-DCA-201-H5003 Snubber Replacement
V63892	262C I	SP-DCA-237-H5015 Snubber Replacement
V63899/V63889		RWS-200-H11, RWS-200-H46,
V63890/V63891	-	SP-DCA-202-H2602, SP-DCA-218-H5014 Snubber Replacements
V43741	264B I	Cut and rewelded bonnet vent line to facilitate valve stem inspection on
		valve HV-243F031B
V43744	264B I	Cut and reweld bonnet vent line on valve HV-243F031B
V44577	264B I	Reworked hanger SP-DCA-202-H14 to
		eliminate thermal interference
Y60048	264B I	Weld repaired hanger RWS-200-H27
V63048	264A II	Replaced disc in valve SV-22374 and repaired hanger SP-DCB-225-H5001
U33709	264D II	Seal weld body to bonnet on valve 243F013A

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WA NUMBER	SYSTEM/CLASS	DESCRIPTION
U43144	272B III	Replaced two insulation studs on vessel 2S125
U34073	273A II	Seal weld body to bonnet on valve SV-25742B
V44469 · ·	273A II	Replaced disc in valve SV-25752A
V44472	273A II	Replaced valves SV-25740A and SV-25742A
V44505	273A II	Replaced valve SV-25782B
V63043	273A II	Replaced valve 25746A
V63044	273A II	Replaced valve 25745A
V63233	273A II	Replaced main disc in valve SV-25746A
V63234	273A II	Replaced main disc in valve SV-25744A
V63235	. 273A II	Replaced main disc in valve SV-25745A
V63796	273A II	Replaced valves SV-25780A & SV-25782A
V63818	⁻ 273A II	Replaced main disc in valve SV-25740A
V63819	273A II	Replaced main disc in valve SV-25742A
V63820	273A II	Replaced main disc in valve SV-25780A
V63821	273A II	Replaced main disc in valve SV-25782A
V64508	273A II	Replaced main disc in valve SV-25750A
V63906/V6447	4 283A II	DBB-201-H4, DB5-204-H7, SP-DBB-208-H13
V64014		Snubber Replacements
V44421	283A II	Replaced LSHH-20112C level switch
V63630	283A II	Replaced disc in valve 3RV-LSH-20112A
Y60049	283A II	Repaired hanger DBB-229-1-H1.
		Removed ISI indications on welds
		SP-DBB-229-1-FW6, DBB-201-1-FW14,
		DBB-202-1-FW14, DBB-204-1-FW2, &
		DBB-224-1-FW10
V44366 _	283 III	Removal of hanger clips to facilitate
		valve rework
V44365	283B III	Removal of hanger clips and blended grind mark on pipe SP-HRC-236-4-2
U34571 ·	283E III	Seal weld body to bonnet on valve 2-41-006F
V61155	283H II	Repaired Hanger HBB-248-H52

4. Installation Engineering is responsible for performing Design Changes in accordance with ASME XI under Construction Work Orders. This work is documented on NIS-2 forms which are submitted under Appendix D.2

Installation Engineering Group

Design Change Packages for ASME Section XI (Class 1,2, and 3) items, installed from date of commercial operation thru the completion of the First Refueling Outage are summarized below:

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DESIGN CHANGE	overmulor Loc	
PACKAGE NUMBER	SYSTEM/CLASS	DESCRIPTION
V63371	216A III	Replaced rear bracket on hanger HRC-212-H15
86-8006/86-8007	216A III	Piping and support modification to facilitate RHR Heat Exchanger Inspection
84-3101	234E III	Change water supply to/from 2V-209A to be off ESW "A" and 2V-208A to be off ESW "B"
84-3101	234F III	Change water supply to/from 2V-209A to be off ESW "A" and 2V-208A to be off ESW "B"
83-59	234U III	Installed butterfly valve HV-21144A
83-592 D&E	234U III	Install two each 2" globe valves and two each 4" motor operated valves
83-592 G&H	234U III	Installed two - 2" vacuum breakers in Reactor Building
83-449D	235B III	Reroute section of the 14" pipe Fuel Pool Cooling to RHR Pump Suction Line
85-3143	245A I	Add test and vent connections to facilitate FLLRT
85-3143	245A II	Add isolation valves to FW system
83-449A	249A II	RHR valves HV-251-F017 A&B replacements
84-3079	249A II	Add spectacle flange set; double isolation drain/test connection to RHR system
86-8006	249A II	Support Mod. to facilitate RHR heat exchanger inspection (GBB-204-H94)
v63370	249A III	Replaced existing deficient union on SP-HRC-227-3
86-8007	249B III	Support Mod. to facilitate RHR heat exchanger inspection (SP-FRC-236-H9001 & SP-HRC-2517-H9002)

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DESIGN CHANGE PACKAGE NUMBER	SYSTEM/CLASS	DESCRIPTION
85-3137	249E II	Installation of a threaded pipe cap on SP-GBB-218-1
86-9054/86-9055	249G I	Installation of vents and drains on loops "A" & "B" RHR
83-449A/86-9054 86-9055	249G II	RHR valves HV-251F017 A&B valve replacement; installation of vents drains on loops "A" & "B" RHR
85-3069	250A II	Replaced hard seat tilting disc with dual seat tilting disc in valve 249F014 .
86-9051	250B II	Replacement of RCIC steam supply turbine isolation valve HV-250F045
85-3072	252A II	Replace original disc with a new dual seat disc in valve 255F005
85-3070/85-8036	252B II	HPCI Lube Oil Ball Valve Replace- ment
85-3098B	253A II	Installation and rework of the SBLC pump suction piping, valves and associated supports
83-592 D&E	254A III	Add two each 2" isolation valves in ESW system
85-8011	254A III	Replaced sway strut and added stiffener plates to hanger HRC-223-H5
83-592D	254A III	ESW piping reworked to allow for installation of 2" Fuel Pool isolation valve 2-53-500 per PMR 83-592D
85-3078	255A III	Added non-ASME isolation valve and ASME check valves to non-ASME CRD drive water supply line
83-745	259A II	Utilized spare penetrations for N2 make-up piping
85-3054	261A III	Replaced capillary sensor housing with flanged tubing connection on SP-EBC-201 & 203 lines
84-3127	264B I	Mod. clamp to eliminate potential interference on hanger SP-DCA-202- H15

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DESIGN CHANGE PACKAGE NUMBER	SYSTEM/CLASS	DESCRIPTION
· 83 – 745	273A II	Reroute of wetwell and drywell nitrogen make-up piping
85-3019	280D I	Addition of test connection and test isolation valves to enable testing of Reactor Vessel Flange Leakoff Excess Check Valve
v 63906 .	283A II	Tack welded shim to rear bracket to modify the gap between the rear bracket 'ears' on hanger DBB-201- H24
84-1007	283D III .	Replaced the rear bracket and added a new plate to hanger GBC-201-H248
86-9060	283E III	Reroute of piping to performelectrical modification (SP-HCC-231 & 233)

NOTE: WAS V63371 (216A III), V63370 (249 II) and V63906 (283A II) involved repairs performed by E&S construction which were not associated with design change packages.

APPENDIX A.1

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SUSQUEHAMMA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY AUGI ITEM NUMBER AUGI 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DBB2181-FH-2	V -• P	ISI-DBB-218-1	FH	210100	08/26/86	Y
DBB2181-FH-5 VOL	P-V	ISI-DBB-218-1	FH	210120	08/26/86	Y
DBA2022-FH-3	V-E	ISI-DBA-202-2	HPCI	121900	09/07/86	Y
DBA2022-FH-4 VOL	P-FH	ISI-DBA-202-2	HPCI	120100	09/05/86	Y
DBA2022-FH-6 VOL	FH-V	ISI-DBA-202-2	HPCI	120500	08/21/86	Y
DBA2081-FM-12 VOL	FH-V	ISI-DBA-208-1	MS	130200	08/27/86	Y
DBA2081-FH-14 VOL	E-P	ISI-DBA-208-1	MS	130100	08/22/86	Y
DBA2081-FH-20 VOL	V-E	ISI-DBA-208-l	MS	130120	08/22/86	Y
DBA2081-FH-21 VOL	E-P	ISI-DBA-208-l	MS	130140	08/22/86	Y
DBA2081-FH-22 VOL	P-E	ISI-DBA-208-1	MS	130160	08/22/86	Y

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY AUG1 ITEM NUMBER AUG1 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	NO NO	ANII SIGN-OFF	PROGRAM CREDIT
DBA2081-FH-24 VOL	P-FH	ISI-DBA-208-1	MS	130180	08/22/86	Y
VNBB213-FH-C-5 VOL	V-FH	ISI-VNB-B21-3	HS	320660	09/07/86	Y
VNBB213-FH-C-6 VOL	FH-V	ISI-VNB-B21-3	MS	230360	09/01/86	Y
VNBB213-FH-D-5 VOL	V-FH	ISI-VNB-B21-3	MS	320700	09/07/86	Y
VNBB213-FH-D-6 VOL	FH-V	ISI-VNB-B21-3	HS	230380	09/01/86	Y
VNBB214-FH-A-5 VOL	V-FH	ISI-VNB-B21-4	HS	320780	09/07/86	Y
VIBB214-FH-A-6 VOL	FH-V	ISI-VNB-B21-4	MS	230400	09/01/86	Y
VNBB214-FH-B-5 VOL	V-FH	ISI-VNB-B21-4	нѕ	320800	09/07/86	Y
VN8B214-FH-B-6 VOL	FH-V	ISI-VNB-B21-4	MS	230420	09/01/86	Y
DBB2181-1-B VOL	P-SWOL	ISI-DBB-218-1	RCIC	210180	08/26/86	Y

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY AUG1 ITEM NUMBER AUG1 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DBB2213-FH-3 VOL	V-P	ISI-DBB-221-3	RCIC	260220	09/05/86	Y
DBB2213-2-A VOL	P-E	ISI-DBB-221-3	RCIC	260240	09/01/86	Y
DBB2213-2-B VOL	E-P	ISI-DBB-221-3	RCIC	260260	09/01/86	Y
DBB2222-FH-6 Vol	E-P	ISI-DBB-222-2	RHCU	280100	09/11/86	Y
DBB2222-FH-7 VOL	P-P	ISI-DB8-222-2	RHCU	280120	09/11/86	Y
DBB2222-FH-8 Vol	P-P	ISI-DBB-222-2	RHCU	280140	09/11/86	Y
DBB2222-FH-9 VOL	P-E .	ISI-DBB-222-2	RHCU	280180	09/11/86	Υ ,
DBB2222-2-A VOL	P~E	ISI-DBB-222-2	RHCU	280160	09/11/86	Y
DBB2222-6-A Vol	E-P	ISI-DBB-222-2	RHCU	280200	09/11/86	Y
DBB2222-6-B VOL	P-E	ISI-DBB-222-2	RHCU	280220	09/11/86	Y
TALLY ITEH AUG1	30	•			-	

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SUSQUEHAMMA STEAM ELECTRIC STATION, UNIT 2
1986 FIRST REFUELING OUTAGE
OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS
CODE CATEGORY AUG1
ITEM NAMBER AUG1
01/09/87

ANII PROGRAM SIGN-OFF CREDIT ISI ISO EXAM DESC Ю CID SYSTEM

EXAM TYPE

TALLY CDECAT AUG1 30



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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY AUG2 1TEM NUMBER AUG2 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DCA2071-FH-5 VOL	RED-SE EXT	ISI-DCA-207-1	cs -	100140	09/11/86	Y
DCA2072-FH-10 VOL	RED-SE EXT	ISI-DCA-207-2	cs	100500	09/11/86	Y
DCA2091-FH-4 VOL	FH-P	ISI-DCA-209-1	cs	100120	09/11/86	Y ,
DCA2092-FH-4 VOL	FH-P	ISI-DCA-209-2	cs .	100180	09/11/86	Y
DCA2081-FH-5 VOL	V-P	ISI-DCA-208-1	RHR	160100	09/05/86	Y
DCA2081-1-A ,	E-P	ISI-DCA-208-1	RHR	160200	09/01/86	Y
DCA2081-2-A VOL	E-P	ISI-DCA-208-1	RHR	160180	08/27/86	Υ .
DCA2102-FH-9 VOL	P-V	ISI-DCA-210-2	RHR	160200	09/11/86	Y
DCB2021-FH-2 . VOL	V-FH	ISI-DCB-202-1	RHR	270560	09/03/86	Y
VRRB313-FM-A-1 VOL	SE-P	ISI-VRR-B31-3	RR	180300	09/05/86	Y

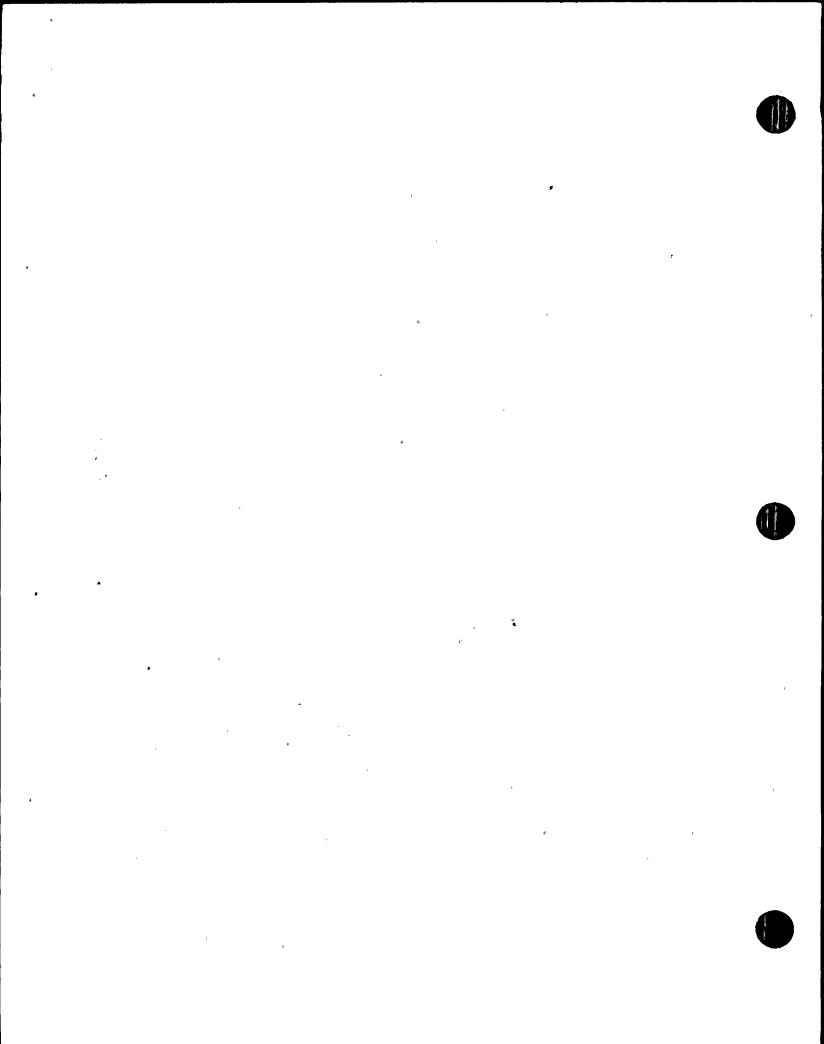


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY AUG2 ITEM NUMBER AUG2 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
VRRB313-FM-A-10 VOL	SHOL-P	ISI-VRR-B31-3	RR	180260	09/11/86	Y
VRRB313-10-C VOL	P-P	ISI-VRR-B31-3	RR	180240	09/12/86	Y -
VRRB314-FM-B-45 VOL	T-E	ISI-VRR-B31-4	RR	180420	09/03/86	Y
DCA2021-FH-1 VOL	Т-Р	ISI-DCA-202-1	RHCU	190100 *	09/11/86	N
DCA2022-FH-4 VOL	P-FH	ISI-DCA-202-2	RHCU	190180	09/11/86	Y
DCA2022-FH-5 VOL	FH-P	ISI-DCA-202-2	RHCU	190140	09/11/86	Y
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TALLY ITEM AUG2 16 TALLY CDECAT AUG2 16 APPENDIX A.2





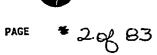
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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-E ITEM NUMBER B4.12 01/09/87

CID EXAM TYPE	DESC	ISI ISO ,	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
CRD-02-19 VT-2	CRD PEN	C-199556	RPV		10/08/86	Y
CRD-02-23 VT-2	CRD PEN	C-199556	RPV		10/08/86	Y
CRD-02-27 VT-2	CRD PEN	C-199556	RPV		10/08/86	Υ
CRD-02-31 VT-2	CRD PEN	C-199556	RPV		10/08/86	Y
CRD-02-35 VT-2	CRD PEN	C-199556	RPV		10/03/86	Y
CRD-02-39 VT-2	CRD PEN	C-199556	RPV		10/08/86	Y
CRD-02-43 VT-2	CRD PEN	C-199556	RPV		10/08/86	Υ .
CRD-06-15 VT-2	CRD PEN	C-199556	RPV		10/08/86	Y

TALLY ITEH B4.12 8



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-E ITEM MARBER B4.13 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
INCORE-08-17 VT-2	INCORE PEN		RPV		10/08/86	Y
, INCORE-08-49 VT-2	INCORE PEN S	**	RPV		10/08/86	Y
INCORE-16-09 VT-2	INCORE PEN		RPV		10/08/86	Y

TALLY ITEM B4.13 3
TALLY CDECAT B-E 11



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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-F ITEM NUMBER B5.130 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DCA2021-FH-6 SUR	p-p	ISI-DCA-202-1	RHCU	190160	09/11/86	Y
DCA2021-FM-6 VOL	p-p	ISI-DCA-202-1	RNCU	190160	09/11/86	Y
DCA2022-FH-6 SUR	p-p	ISI-DCA-202-2	RHCU	190200	09/11/86	Y
DCA2022-FH-6	P-P	ISI-DCA-202-2	RHCU	190200	09/11/86	Y

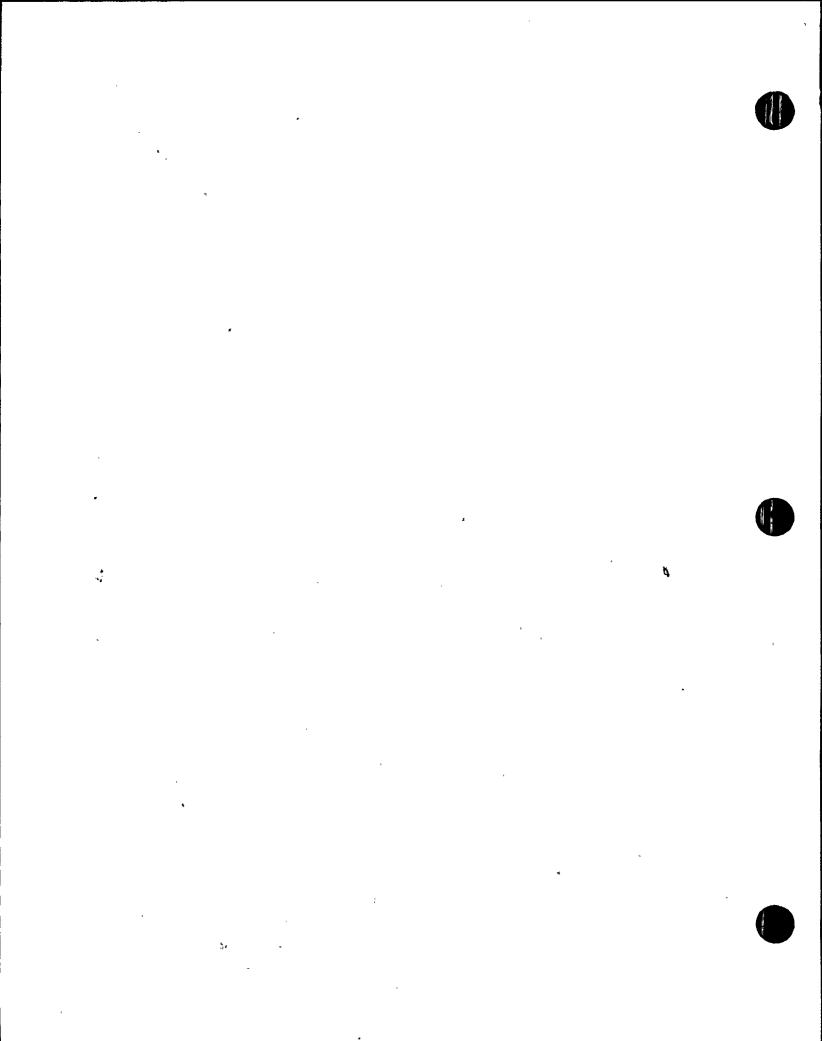
TALLY ITEM 85.130 4 TALLY COECAT B-F 4



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-G-2 ITEM NUMBER B7.50 01/09/87

CID EXAM TYPE	DESC	ISI ISO 	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT	
VNBB214-17-E-BG2 VT-1	FLANGE BOLTING	ISI-VNB-B21-4	MS	320860	09/10/86	Y	
VNBB214-17-K-BG2 VT-1	FLANGE BOLTING	ISI-VNB-B21-4	ms	320880	09/10/86	Y	
VNBB214-17-N-BG2 VT-1	FLANGE BOLTING	ISI-VNB-B21-4	MS	320900	09/12/86	Y	
VNBB214-17-S-BG2 VT-1	FLANGE BOLTING	ISI-VNB-B21-4	MS	320920	09/10/86	Y	
TALLY TICM D7 CA	7.						

TALLY ITEM B7.50 4







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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SURMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-G-2 ITEM NUMBER B7.70 01/09/87

CID EXAM TYPE	DESC	ISI '	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
2F010A-BG2 VT-1	VALVE BOLTING	ISI-DLA-201-1	FH		09/10/86	Υ .
2F010B-BG2 VT-1	VALVE BOLTING	ISI-DLA-203-1	FH		09/10/86	Y
HV2F022A-BG2 VT-1	VALVE BOLTING	ISI-VNB-B21-4	MS	320500	09/06/86	Y
HV2F022B-BG2 VT-1	VALVE BOLTING	ISI-VNB-B21-4	HS '	320520	09/06/86	Y
HV2F022C-BG2 VT-1	VALVE BOLTING	ISI-VNB-B21-3	MS	320540	09/06/86	Y
HV2F022D-BG2 VT-1	.VALVE BOLTING	ISI-VNB-B21-3	MS	320560	09/06/86	Y
HV2F023A-BG2 VT-1	VALVE BOLTING	ISI-VRR-B31-3	RŘ	180100	09/05/86	Y
HV2F023B-BG2 VT-1	VALVE BOLTING	ISI-VRR-B31-4	RR	180320	09/05/86	Y

TALLY ITEM B7.70 8







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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-G-2 ITEM NUMBER B7.80 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
CRD-02-27-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-02-39-BLT VT-1	CRD HOUSING BLT	C-199557	RPV '		08/25/86	Y
CRD-06-15-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-06-23-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-06-27-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-06-47-BLT ,	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-10-39-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Υ .
CRD-14-23-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-18-03-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-18-27-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y



SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2
1986 FIRST REFUELING OUTAGE
OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS
CODE CATEGORY B-G-2
ITEM NUMBER B7.80
01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
CRD-18-39-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-22-19-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-22-55-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-26-19-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-26-43-BLT	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-30-03-BLT VT-1	CRD HOUSING BLT		RPV		08/25/86	Y
CRD-30-47-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-34-35-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Υ ,
CRD-42-31-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-42-47-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y







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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-G-2 ITEM NUMBER B7.80 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
CRO-42-59-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-46-51-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-50-35-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y
CRD-58-43-BLT VT-1	CRD HOUSING BLT	C-199557	RPV		08/25/86	Y

TALLY ITEM B7.80 24 TALLY COECAT B-G-2 36







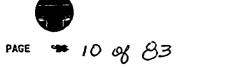
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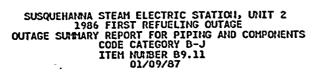
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER B9.11 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE		.			-	
DCA2071-FH-5 SUR	RED-SE EXT	ISI-DCA-207-1	cs	100140	09/11/86	Y
DCA2071-FH-5 VOL	RED-SE EXT	ISI-DCA-207-1	cs	100140	09/11/86	Y
DCA2071-2-A SUR	E-P	ISI-DCA-207-1	cs	100160	09/11/86	Y
DCA2071-2-A VOL	E-P	ISI-DCA-207-1	cs	100160	09/11/86	Y
DLA2011-FH-5 SUR	V-P	ISI-DLA-201-1	FH	110100	08/21/86	Y
DLA2011-FH-5 VOL	V-P	ISI-DLA-201-1	FH	110100	08/21/86	Y
DLA2021-FH-1 SUR	V- P	ISI-DLA-202-1	FH	110160	09/07/86	Y
DLA2021-FH-1 VOL	V- P	ISI-DLA-202-1	FH	110160	09/07/86	Y
DLA2021-FH-14 SUR	P-T	ISI-DLA-202-1	FH	110180	08/23/86	Y
DLA2021-FH-14 VOL	Р-Т	ISI-DLA-202-1	FH	110180	08/23/86	Y









CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DLA2021-FH-26 SUR	т-Р	ISI-DLA-202-1	FH	110220	09/07/86	Y
DLA2021-FH-26 Vol	т-р	ISI-DLA-202-1	FH	110220	09/07/86	Y
DLA2021-FH-6 SUR	Т-Р	ISI-DLA-202-1	FH	110240	09/07/86	Υ
DLA2021-FH-6 Vol	Т-Р	ISI-DLA-202-1	FH .*	110240	09/07/86	Y
DBA2022-FH-2 VOL	P-V	ISI-DBA-202-2	HPCI	120140	09/07/86	Y
DBA2022-FH-2 SUR	P-V	ISI-DBA-202-2	HPCI	120140	09/07/86	Y
DBA2022-FH-4 VOL	P-FH	ISI-DBA-202-2	HPCI	120100	09/05/86	Y
DBA2022-FH-4 Sur	P-FH	ISI-DBA-202-2	HPCI	120100	09/05/86	Y
DBA2022-FH-6 VOL	FH-V	ISI-DBA-202-2	HPCI	120500	08/21/86	Y
DBA2022-FH-6 SUR	FH-V	ISI-DBA-202-2	HPCI	120500	08/21/86	Y



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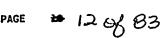
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER B9.11 01/09/87

CID EXAM TYPE	DESC	ISI	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
VIBB213-FH-C-3 SUR	P-E	ISI-VMB-B21-3	· MS	320620	09/07/86	Y
VN8B213-FH-C-3 VOL	P-E	ISI-VN9-B21-3	MS	320640	09/07/86	Y
VNBB213-FH-C-6 SUR	FH-V	ISI-VNB-B21-3	нѕ	230340	09/01/86	Υ .
VNBB213-FH-C-6 VOL	FH-V	ISI-VNB-B21-3	MS	230360	09/01/86	Y
V188213-FH-D-1 SUR	SE-P	ISI-VNB-B21-3	ns	320980	09/11/86	Y
VNBB213-FH-D-1 VOL	SE-P	ISI-VNB-B21-3	MS	320980	09/11/86	Y
VIBB213-FH-D-3 SUR	E-T	ISI-WB-821-3	MS	320680	09/07/86	Υ .
VNBB213-FH-D-3 VOL	E-T	ISI-VNB-B21-3	MS	320680	09/07/86	Y
VNBB214-FH-A-6 SUR	FH-V	ISI-VNB-B21-4	MS	230400	09/01/86	Y
V188214-FH-A-6 VOL	FH-V	ISI-VIB-B21-4	MS	230400	09/01/86	Y

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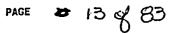


SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER B9.11 01/09/87

CID	DESC	ISI ISO	SYSTEH	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DBA2051-FH-2	P-E	ISI-DBA-205-1	RCIC	150160	09/05/86	Y
VOL DBA2051-FH-2	P-E	ISI-DBA-205-1	RCIC	150160	09/05/86	Υ ,
SUR			0110	160100	09/05/86	Y
DCA2081-FH-5 SUR	V-P	ISI-DCA-208-1	RHR	160100	07705766	•
DCA2081-FH-5 VOL	V-P	ISI-DCA-208-1	RHR	160100	09/05/86	Y
DCA2081-FH-9 SUR	FH-V	ISI-DCA-208-1	RHR	170100	09/11/86	Y
DCA2081-FH-9 VOL	FH-V	ISI-DCA-208-1	RHR	170100	09/11/86	Υ .
DCA2081-1-A SUR	E-P	ISI-DCA-208-1	RHR	160200	09/01/86	Y
DCA2081-1-A YOL	E-P	ISI-DCA-208-1	RHR	160200	09/01/96	Y
DCA2081-2-A SUR	E-P	ISI-DCA-208-1	RHR	160180	08/27/86	Y
DCA2081-2-A VOL	E-P	ISI-DCA-208-1	RHR	160180	08/27/86	Y

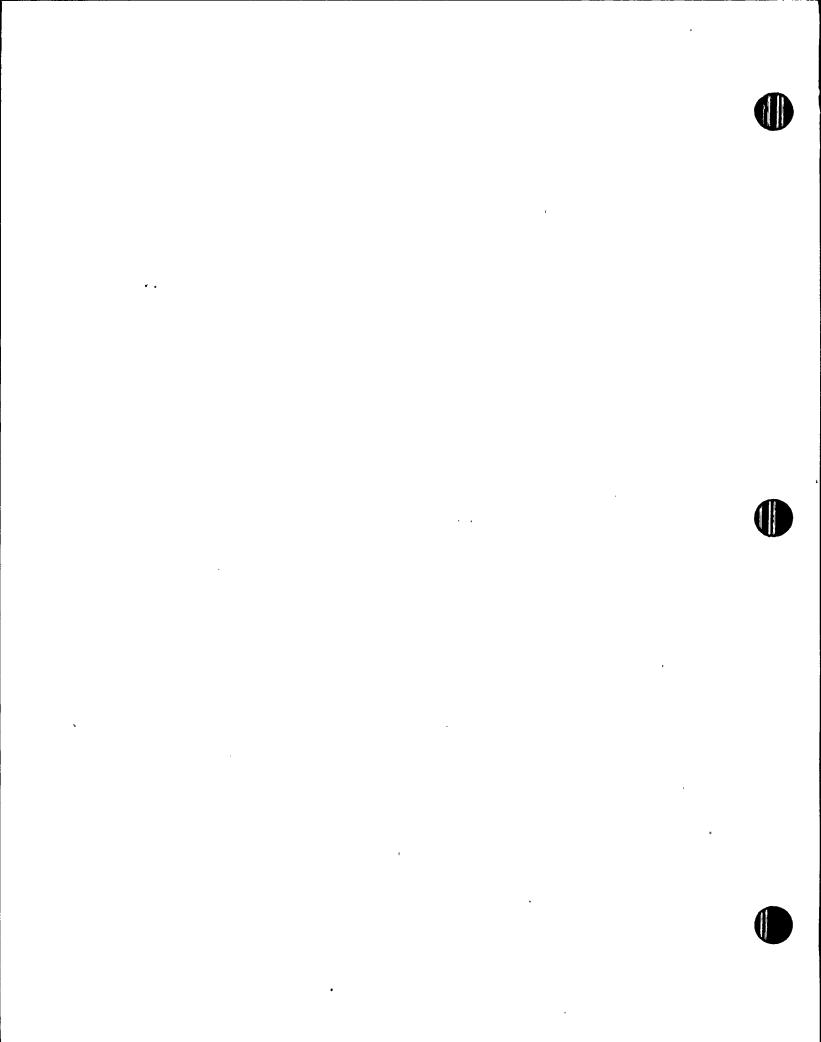






SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SURMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER B9.11 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	NO NO	ANII SIGN-OFF	PROGRAM CREDIT
DCA2411-FH-3 SUR	P-E	ISI-DCA-241-1	RR	180120	08/27/86	Y
DCA2411-FH-3 VOL	P-E	ISI-DCA-241-1	RR =	180140	08/27/86	Y
DCA2411-3-B SUR	T-P	ISI-DCA-241-1	RR	180160	08/27/86	Y
DCA2411-3-B VOL	Т-Р	ISI-DCA-241-1	RR	180160	08/27/86	Y
VRRB313-10-C SUR	P-P	ISI-VRR-B31-3	RR	180240	09/12/86	Y
VRRB313-10-C VOL	P-P	ISI-VRR-B31-3	RR	180240	09/12/86	Y
DBA2011-FH-23 VOL	È-V	ISI-DBA-201-1	RHCU	190320	09/11/86	Y
DBA2011-FH-23 SUR	E-V	ISI-DBA-201-1	RHCU	190320	09/11/86	Y
DBA2011-FH-24 VOL	V-E	ISI-DBA-201-1	RHCU	190330	09/12/86	Y
DBA2011-FM-24 SUR	V-E	ISI-DBA-201-1	RHCU .	190330	09/12/86	Y





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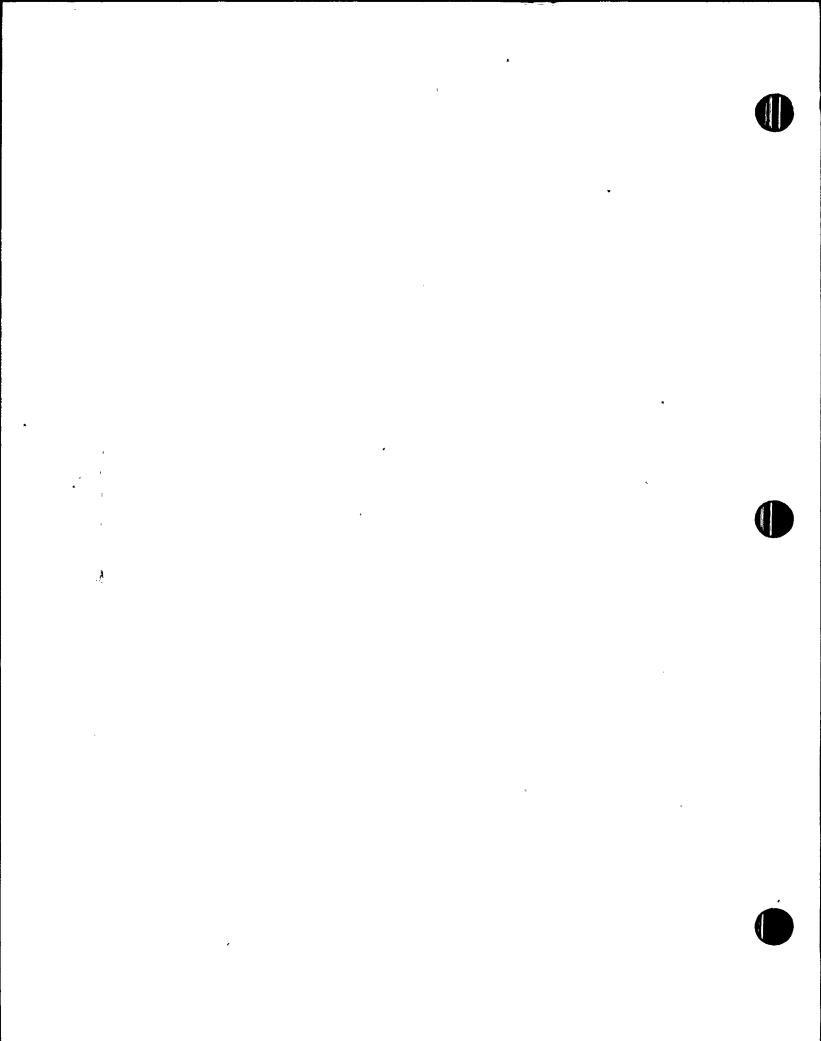


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER B9.11 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE DBA2011-FH-26 VOL	E-FH .	ISI-DBA-201-1	RHCU	190340	09/11/86	Y
DBA2011-FM-26 SUR	E-FH	ISI-DBA-201-1	RHCU	190340	09/11/86	Y
DBA2011-FW-4 VOL	P-E	ISI-DBA-201-1	RHCU	190260	09/11/86	Y
DBA2011-FH-4 SUR	P-E	ISI-DBA-201-1	RHCU	190260	09/11/86	Y
DBA2011-FH-47 VOL	P-E	ISI-DBA-201-1	RHCU	190300	09/11/86	Y
DBA2011-FH-47 SUR	P-E	ISI-DBA-201-1	RHCU	190300	09/11/86	Y
WALLE WEEK DA 33	-,					

TALLY ITEM B9.11 56





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SUSQUEHAMA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER B9.12 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DCA2081-1-B SUR	SEAM-PIPE	ISI-DCA-208-1	RHR	160220	08/27/86	Y
DCA2081-1-B VOL	SEAM-PIPE	ISI-DCA-208-1	RHR	160220	08/27/86	Y
DCA2081-1-C SUR	SEAM-ELBOH	ISI-DCA-208-1	RHR	160240	09/01/86	Y
DCA2081-1-C VOL	SEAM-ELBOH	ISI-DCA-208-1	RHR	160240	09/01/86	Y
DCA2081-1-D SUR	SEAM-ELBOM	ISI-DCA-208-1	RHR	160260	09/01/86	Y
DCA2081-1-D VOL	SEAM-ELBOM	ISI-DCA-208-1	RHR	160260	09/01/86	Y
DCA2081-2-E SUR	SEAM-PIPE	ISI-DCA-208-1	RHR	160160	08/27/86	Y
DCA2081-2-E VOL	SEAM-PIPE	ISI-DCA-208-1	RHR	160160	08/27/86	Y
DCA2081-6-A Sur	SEAM-PIPE	ISI-DCA-208-1	RHR	160140	09/05/86	Y
DCA2081-6-A VOL	SEAM-PIPE	ISI-DCA-208-1	RHR	160140	09/05/86	Y

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER B9.12 01/09/87

CID CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DCA2411-3-E SUR	PIPE SEAM	ISI-DCA-241-1	RR	180700	08/27/86	Y
DCA2411-3-E VOL	PIPE SEAM	ISI-DCA-241-1	RR	180700	08/27/86	Y
DCA2411-3-G VOL	PIPE SEAM	ISI-DCA-241-1	ŔR	180720	08/27/86	N
DCA2421-2-C VOL	PIPE SEAM	ISI-DCA-242-1	RR	180800	08/27/86	N
DCA2421-2-D VOL	PIPE SEAM	ISI-DCA-242-1	RR	180780	08/27/86	И
DCA2421-3-E VOL	PIPE SEAM	ISI-DCA-242-1	RR	180700	08/27/86	N
DCA2421-3-F VOL	PIPE SEAM	ISI-DCA-242-1	RR	180740	08/27/86	N .
VRRB313-4-C VOL	ELBOH SEAM	ISI-VRR-B31-3	RR	180500	08/22/86	N
VRRB313-5-C VOL	ELBOW SEAM	ISI-VRR-B31-3	RR	180520	08/26/86	N
VRRB313-6-C VOL	ELBOH SEAM	ISI-VRR-B31-3	RR	180540	08/26/86	н

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER B9.12 01/09/87

CID EXAM TYPE VRRB313-7-C VOL	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
	ELBOH SEAM	ISI-VRR-B31-3	RR	180560	08/26/86	N
VRRB313-8-C VOL	ELBOH SEAM	ISI-VRR-B31-3	RR	180580	08/26/86	И
VRRB314-4-C VOL	ELBOM SEAM	ISI-VRR-B31-4	RR	180600	08/26/86	И
VRRB314-5-C VOL	ELBOM SEAM	ISI-VRR-B31-4	RR	180620	08/26/86	N
VRRB314-6-C VOL	ELBOH SEAM	ISI-VRR-B31-4	RR	180640	08/26/86	N
VRRB314-7-C VOL	ELBOM SEAM	ISI-VRR-B31-4	RR	180660	08/26/86	N
VRRB314-8-C VOL	ELBOW SEAM	ISI-VRR-B31-4	RR	180680	08/26/86	N

TALLY ITEM B9.12 27

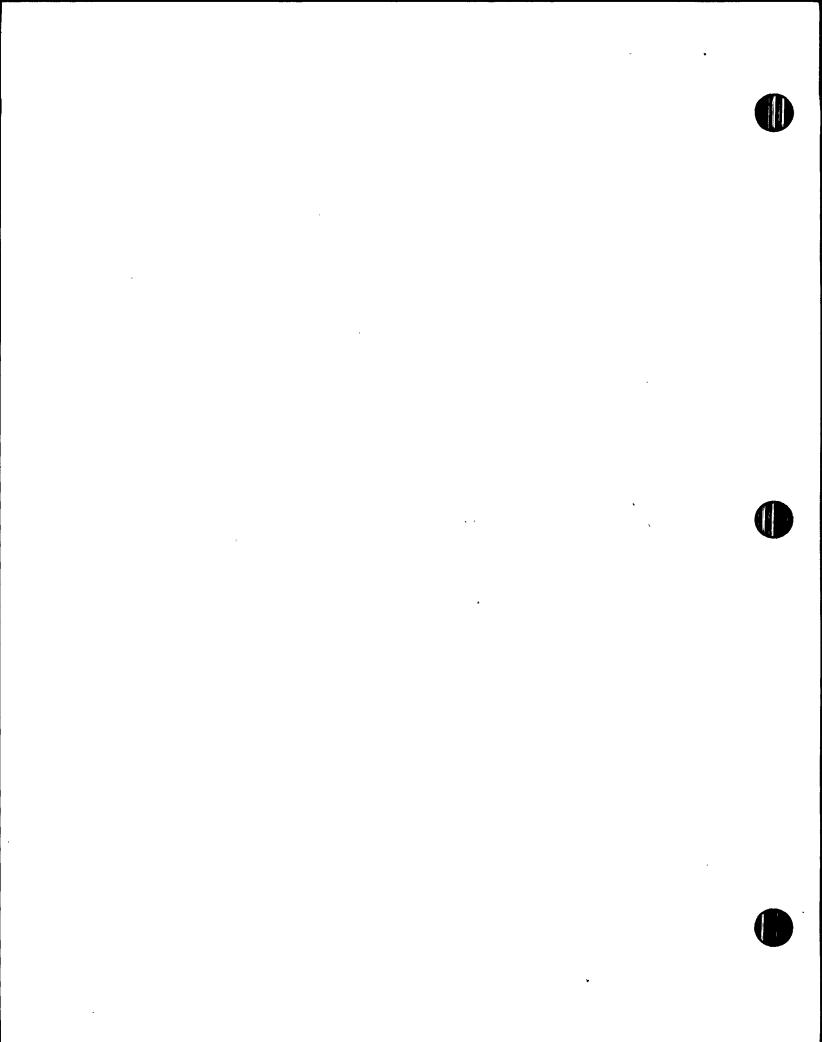


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2
1986 FIRST REFUELING OUTAGE
OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS
CODE CATEGORY B-J
ITEM MARBER B9.21
01/09/87

CID	DESC	,	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
SPDCA2061-FH-11	P∽E	, , , , , , , , , , , , , , , , , , ,	ISI-SP-DCA-206-1	SBLC	425000	09/11/86	Y
SUR	. –						

TALLY ITEM B9.21 1





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SUSQUEHAMA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER 89.31 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
VIBB213-19-C SUR	P-SHOL	ISI-VIB-B21-3	MS	320720	09/07/86	Y
VNBB213-19-C VOL	P-SNOL	ISI-VNB-B21-3	HS	320740	09/07/86	Y
VNBB213-19-L SUR	P-SHOL	ISI-VNB-B21-3	MS	320760	08/26/86	Y
VIBB213-19-L VOL	P-SHOL	ISI-VNB-B21-3	MS	320760	08/26/86	Y

TALLY ITEM B9.31 4

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-J ITEM NUMBER B9.40 01/09/87

CID EXAM TYPE	DESC	ISI ISO 	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
SPDCA2061-FH-13 SUR	P-NOZ	ISI-SP-DCA-206-1	SBLC	425200	09/11/86	Y
SPDCA2061-FH-14 SUR	Т-Р	ISI-SP-DCA-206-1	SBLC	425400	09/11/86	Y
SPDCA2061-SH-1 SUR	E-P	ISI-SP-DCA-206-1	SBLC	426200	09/11/86	Y

TALLY ITEM B9.40 3
TALLY CDECAT B-J 91

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CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE	-	,				
MST222-HH-8A SUR	P-LUG/H36	ISI-VNB-B21-3-H	MS	320580	08/20/86	Y
MST222-HH-88 SUR	P-LUG/H36	ISI-VNB-B21-3-H	MS	320580	08/20/86	Y
MST222-HM-8C SUR	P-LUG/H36	ISI-VNB-B21-3-H	HS	320580	08/20/86	Y
MST222-HW-8D SUR	P-LUG/H36	ISI-VNB-B21-3-H	HS	320580	08/20/86	Y
MST222-HH-8E SUR	P-LUG/H36	ISI-VNB-B21-3-H	MS	320580	08/20/86	Y
MST222-HH-8F SUR	P-LUG/H36	ISI-VNB-B21-3-H	MS	320580	08/20/86	Y
MST222-HH-8G SUR	P-LUG/H36	ISI-VNB-B21-3-H	MS	320580	08/20/86	Υ .
HST222-HH-8H SUR	P-LUG/H36	ISI-VNB-B21-3-H	MS	320580	08/20/86	Y
DCB2021-HH-2A SUR	PLT-P/H02	ISI-DCB-202-1-H	RHR	271200	09/07/86	Y
DCB2021-HH-2B SUR	PLT-P/H02	ISI-DCB-202-1-H	RHR	271200	09/07/86	Y







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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-K-1 ITEM NUMBER 810.10 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DCB2021-HH-2C SUR	PLT-P/H02	ISI-DCB-202-1-H	RHR	271200	09/07/86	Υ
DCB2021-HH-2D SUR	PLT-P/H02	ISI-DCB-202-1-H	RHR	271200	09/07/86	Y

TALLY ITEM B10.10 12 TALLY CDECAT B-K-1 12





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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-M-2 ITEM NUMBER B12.50 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
2F010A VT-3	VALVE INT SUR	ISI-DLA-201-1	FH		09/10/86	Y
2F010B VT-3	VALVE INT SUR	ISI-DLA-203-1	FH		09/10/86	N
HV2F028D VT-3	VALVE INT SUR	ISI-VNB-B21-3	MS		11/26/86	Y
HV2F015A VT-3	VALVE INT SUR	ISI-DCA-210-1	RHR		10/20/86	Y

TALLY ITEM B12.50 4
TALLY CDECAT B-H-2 4

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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DRY TUBE 16-45 VT-3	INCORE DRY TUBE	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
DRY TUBE 16-53 VT-3	INCORE DRY TUBE		RPV .		09/03/86	Y .
DRY TUBE 24-37 VT-3	INCORE DRY TUBE	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
DRY TUBE 32-37 VT-3	INCORE DRY TUBE	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
DRY TUBE 40-45 VT-3	INCORE DRY TUBE	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
DRY'TUBE 48-13 VT-3	INCORE DRY TUBE	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
JT PMP HLD DN BM 01 VT-3	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
JT PMP HLD DN BM 02 VT-3	HOLD DHN BM/BLT	ISI-RPV-INT-001 SHT 3&4	RPV	•	09/03/86	Y
JT PMP HLD DN BM 03	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
JT PMP HLD DN BM 04 VT-3	HOLD DHN BM/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y





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CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE	-	: •				
JT PMP HLO DN BM 05 VT-3	HOLD DHN BH/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
JT PHP HLD DN BM 06	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 324	RPV ,		09/03/86	Y
JT PMP HLD DN BM 07 VT-3	HOLD DHN BM/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Υ
JT PMP HLD DN BM 08 VT-3	HOLD DHN BM/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
JT PMP HLD DN BM 09 VT-3	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
JT PMP HLD DN BM 10 VT-3	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
JT PMP HLD DN BM 11 VT-3	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
JT PMP HLD DN BM 12 VT-3	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
JT PMP HLD DN BM 13 VT-3	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
JT PMP HLD DN BM 14	HOLD DHN BM/BLT	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y

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CID .	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE JT PMP HLD DN BM 15 VT-3	HOLD DHN BH/BLT	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
JT PMP HLD DN BM 16 VT-3	HOLD DHN BH/BLT	ISI-RPY-INT-001 SHT 384	RPV		09/03/86	Y
JT PMP HLD DN BM 17 VT-3	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	
JT PMP HLD DN BM 18 VT-3	HOLD DWN BM/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Υ .
JT PHP HLD DN BH 19 VT-3	HOLD DHN BH/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
JT PMP HLD DN BM 20 VT-3	HOLD DHN BH/BLT	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
JT PMP 01 INST LINE VT-3	WELDS/SUPPORTS	ISI-RPV-INT-001 SHT 3	RPV	•	09/03/86	Υ
JT PMP 02 INST LINE VT-3	WELDS/SUPPORTS	ISI-RPV-INT-001 SHT 3	RPV		09/03/86	Υ ,
JT PMP 11 INST LINE VT-3	HELDS/SUPPORTS	ISI-RPV-INT-001 SHT 3	RPV		09/03/86	Y
JT PMP 12 INST LINE VT-3	HELDS/SUPPORTS	ISI-RPV-INT-001 SHT 3	RPV		09/03/86	Y



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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
N2A JT PMP RSTRAINR	WEDGE/SCREMS	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2A JT PMP 01 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2A JT PMP 02 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV .		09/03/86	Y
N2A RISER BRACE VT-3	BRACE/HELD	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2B JT PMP RSTRAINR VT-3	HEDGE/SCREHS	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2B JT PMP 03 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2B JT PMP 04 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2B RISER BRACE VT-3	BRACE/HELD	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2C JT PMP RSTRAINR VT-3	WEDGE/SCREWS	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2C JT PMP 05 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV .		09/03/86	Y

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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
N2C JT PMP 06 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
N2C RISER BRACE VT-3	BRACE/WELD -	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
N2D JT PMP RSTRAINR VT-3	HEDGE/SCREHS	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
N2D JT PMP 07 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
N2D JT PMP 08 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
N2D RISER BRACE VT-3	BRACE/WELD	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2E JT PMP RSTRAINR VT-3	HEDGE/SCREHS	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
N2E JT PMP 09 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 3&;	RPV		09/03/86	Y
N2E JT PHP 10 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2E RISER BRACE VT-3	BRACE/HELD	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y

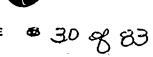




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CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE						
N2F JT PMP RSTRAINR VT-3	HEDGE/SCREHS	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2F JT PMP 11 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2F JT PMP 12 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 3&4	. RPV		09/03/86	Y
N2F RISER BRACE VT-3	BRACE/HELD	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2G JT PHP RSTRAINR VT-3	HEDGE/SCREHS	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2G JT PHP 13 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2G JT PMP 14 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2G RISER BRACE VT-3	BRACE/HELD	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Υ .
N2H JT PMP RSTRAINR VT-3	HEDGE/SCREHS	ISI-RPV-INT-001 SHT 384	RPV	¥	09/03/86	Y
N2H JT PMP 15 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y





SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-N-1 ITEM NUMBER B13.10 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM No	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE		*				
N2H JT PMP 16 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2H RISER BRACE VT-3	BRACE/HELD	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2J JT PMP RSTRAINR VT-3	WEDGE/SCRENS	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2J JT PMP 17 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2J JT PHP 18 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2J RISER BRACE VT-3	BRACE/HELD	ISI-RPV-INT-001 SHT 384	RPV		09/03/86	Y
N2K JT PMP RSTRAINR VT-3	HEDGE/SCREHS	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
N2K JT PMP 19 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
N2K JT PMP 20 VT-3	JET PUMP/RISER	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y
N2K RISER BRACE VT-3	BRACE/HELD	ISI-RPV-INT-001 SHT 3&4	RPV		09/03/86	Y

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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
N4A SPARG VT-3	FH SPARGER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4A SPARG BRKT 1 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV	-	09/03/86	Y
N4A SPARG BRKT 2 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4A SPARG NOZ 1J VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4A SPARG NOZ 1T VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4A SPARG NOZ 2J VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4A SPARG NOZ 2T VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Υ .
N4A SPARG HELD A VT-3	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4A SPARG HELD B VT-3	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4A SPARG HELD C VT-3	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y

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CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE						
N4A SPARG HELD D VT-3	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV .		09/03/86	Y
N4A SPARG HELD E	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	y
N4A SPARG HELD F	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4B SPARG VT-3	FM SPARGER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4B SPARG BRKT 1 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4B SPARG BRKT 2 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Υ.,
N4B SPARG NOZ 1K VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Υ `
N4B SPARG NOZ 1S VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4B SPARG NOZ 2K VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4B SPARG NOZ 2S VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y

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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	NO NO	ANII SIGN-OFF	PROGRAM CREDIT
N4B SPARG HELD A VT-3	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
NAB SPARG HELD B	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4B SPARG HELD C	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4B SPARG HELD D VT-3	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4B SPARG HELD E VT-3	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4B SPARG HELD F VT-3	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	γ .
N4C SPARG VT-3	FH SPARGER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4C SPARG BRKT 1 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4C SPARG BRKT 2 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4C SPARG NOZ 1J	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y

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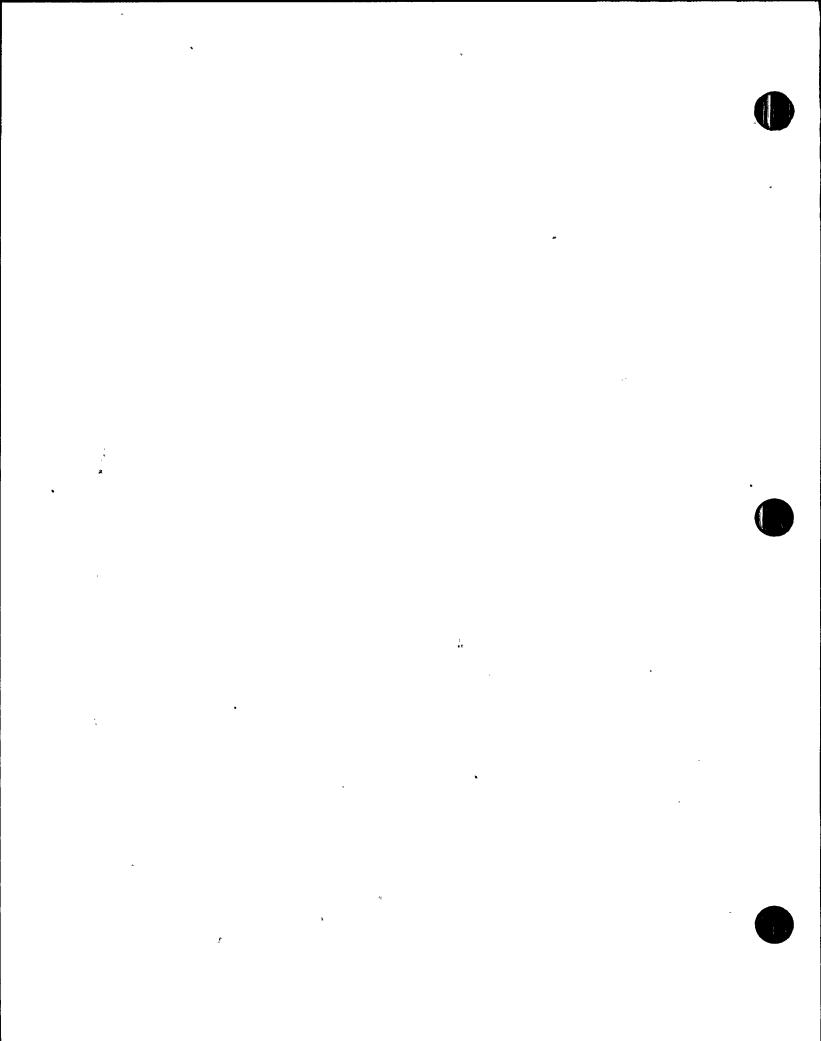
CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
N4C SPARG NOZ 1T VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV	~	09/03/86	Y
N4C SPARG NOZ 2J VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV ,		09/03/86	Y
N4C SPARG NOZ 2T VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4C SPARG HELD A VT-3	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4C SPARG HELD B	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4C SPARG HELD C VT-3	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4C SPARG HELD D VT-3	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4C SPARG HELD E VT-3	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4C SPARG HELD F	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG VT-3	FH SPARGER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y





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CID EXAM TYPE	DESC	ISI	SYSTEM	NO EXAM	ANII SIGN-OFF	PROGRAM CREDIT
N4D SPARG BRKT 1 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG BRKT 2 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG NOZ 1L VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG NOZ 1R VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG NOZ 2L VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG NOZ 2R VT-3	SPARG NOZ WELD	ISI-RPV-INT-001 SHT 1	RPV -		09/03/86	Y
N4D SPARG HELD A VT-3	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG HELD B	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG HELD C VT-3	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG HELD D	TEE-SPARG	ISI-RPV-INT-001 SHT 1	, RPV		09/03/86	Y





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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
N4D SPARG HELD E VT-3	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4D SPARG HELD F	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4E SPARG VT-3	FW SPARGER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4E SPARG BRKT 1 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4E SPARG BRKT 2 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4E SPARG NOZ 1J VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4E SPARG NOZ 1T VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Υ .
N4E SPARG NOZ 2J VT-3	SPARG NOZ HELD	ISI-RPV-IHT-001 SHT 1	RPV		09/03/86	Y
N4E SPARG NOZ 2T VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4E SPARG HELD A VT-3	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Ý

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CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE						
N4E SPARG WELD B	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
NAE SPARG HELD C	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV ,		09/03/86	Y
N4E SPARG HELD D VT-3	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4E SPARG HELD E VT-3	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4E SPARG HELD F	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV "		09/03/86	Y
N4F SPARG VT-3	FH SPARGER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4F SPARG BRKT 1 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV .		09/03/86	Y
N4F SPARG BRKT 2 VT-3	BRACKETS/PINS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4F SPARG NOZ 1M VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4F SPARG NOZ 1P	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y

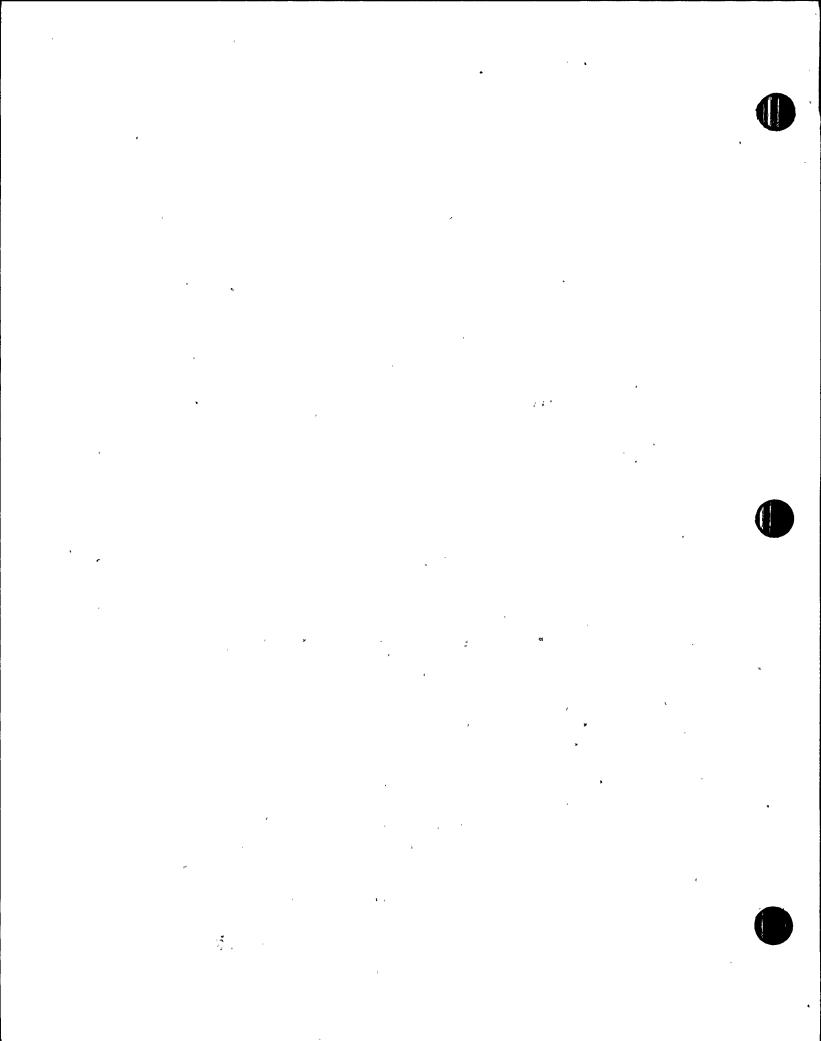


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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
N4F SPARG NOZ 2M VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4F SPARG NOZ 2P VT-3	SPARG NOZ HELD	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4F SPARG HELD A	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4F SPARG HELD B	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV ~		09/03/86	Y
N4F SPARG HELD C	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4F SPARG HELD D	TEE-SPARG	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4F SPARG HELD E VT-3	SPARG-SPARG END	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N4F SPARG HELD F	SPARG END-BRKT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
NSA HEADER VT-3	CS HEADER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5A HEADER BRKT 1 VT-3	BRACKET/BOLTS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y



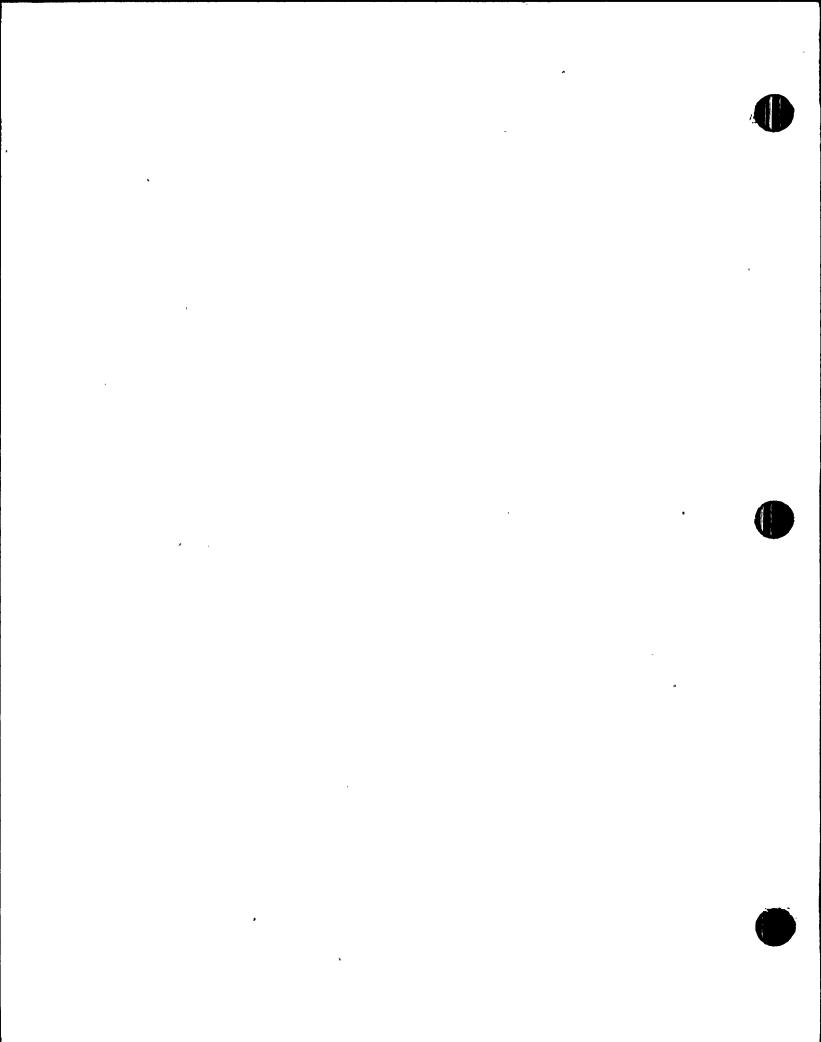


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS . CODE CATEGORY B-N-1 ITEM MAMBER B13.10 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE	, ,	•				
N5A HEADER BRKT 2 VT-3	BRACKET/BOLTS	 ISI-RPV-INT-001 SHT 1	RPV	·	09/03/86	Y
NSA HEADER BRKT 3	BRACKET/BOLTS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5A HEADER BRKT 4	BRACKET/BOLTS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5A SPARG B VT-3	CS SPARGER	ISI-RPV-INT-001 SHT 1	RPV	¥	09/03/86	Y
N5A SPARG D VT-3	CS SPARGER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5A SPARG NOZ B	64 NOZZLES	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5A SPARG NOZ D VT-3	64 NOZZLES	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5B HEADER VT-3	CS HEADER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
NSB HEADER BRKT 1 VT-3	BRACKET/BOLTS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5B HEADER BRKT 2	BRACKET/BOLTS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y

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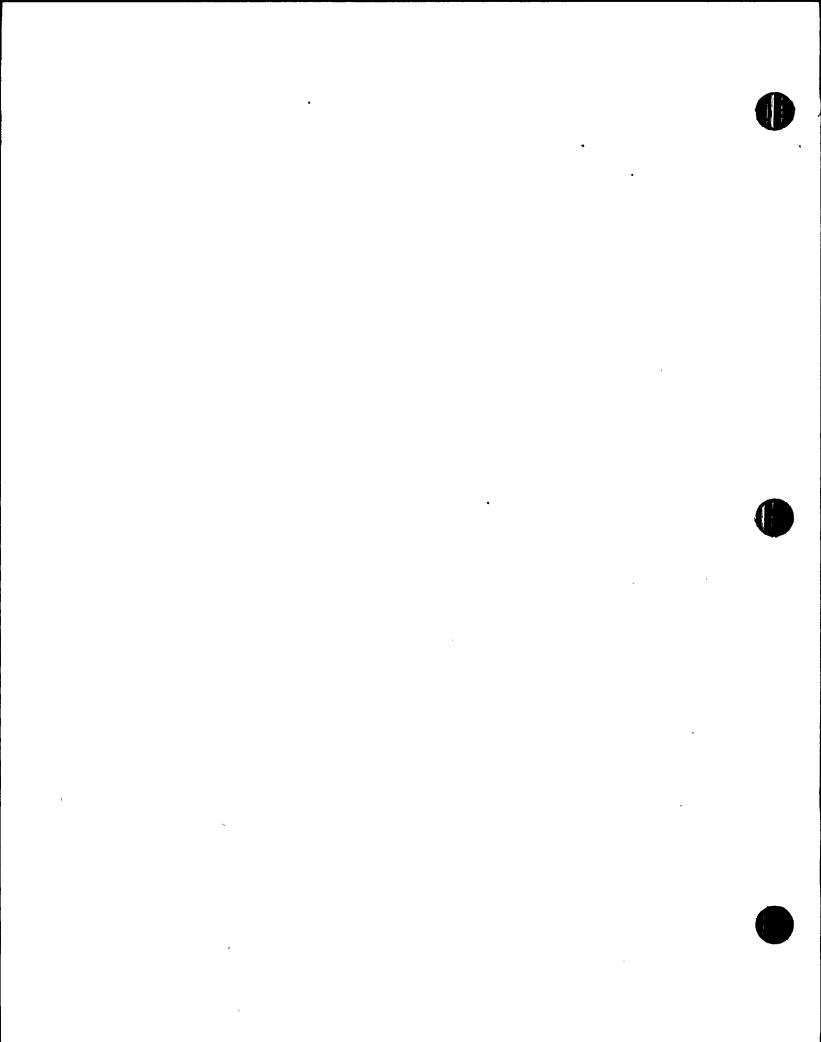




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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
N5B HEADER BRKT 3 VT-3	BRACKET/BOLTS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
NSB HEADER BRKT 4 VT-3	BRACKET/BOLTS	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
NSB SPARG A VT-3	CS SPARGER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5B SPARG C VT-3	CS SPARGER	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5B SPARG NOZ A VT-3	64 NOZZLES	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
N5B SPARG NOZ C VT-3	64 NOZZLES	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
SPARG SUPPORT 01 VT-3	SPARGER SUPPORT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
SPARG SUPPORT 02 VT-3	SPARGER SUPPORT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Υ .
SPARG SUPPORT 03 VT-3	SPARGER SUPPORT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y
SPARG SUPPORT 04 VT-3	SPARGER SUPPORT	ISI-RPV-INT-001 SHT 1	RPV		09/03/86	Y





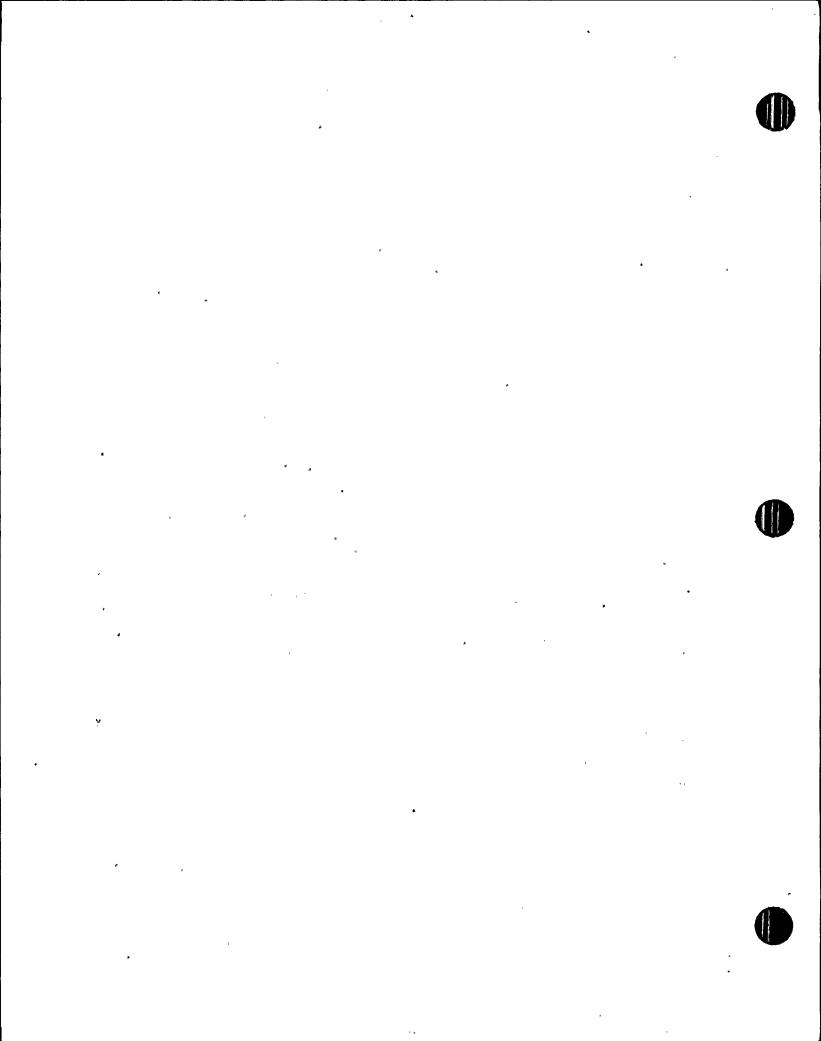


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-N-1 ITEM NUMBER B13.10 01/09/87

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CID			DESC	**	ISI ISO			SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM '	TYPE			*	γ • *			,	<u>L</u>		
SPARG VT-3	SUPPORT	05	SPARGER	SUPPORT	ISI-RPV-INT-00	1 SHT	1	RPV	4	09/03/86	Y
SPARG VT-3	SUPPORT	06	SPARGER	* *	ISI-RPV-INT-00	1 SHT	1	RPV		09/03/86	Y
SPARG VT-3	SUPPORT	07	SPARGER	SUPPORT	ISI-RPV-INT-00	1 SHT	1	RPV		09/03/86	γ ·
SPARG VT-3	SUPPORT	08	SPARGER	SUPPORT	ISI-RPV-INT-00	1 SHT	1	RPV		09/03/86	Y
SPARG VT-3	SUPPORT	09	SPARGER	SUPPORT	ISI-RPV-INT-00	1 SHT	1	RPV		09/03/86	Y
SPARG VT-3	SUPPORT	10 .	SPARGER	SUPPORT	ISI-RPV-INT-00	1 SHT	1	RPV		09/03/86	Y
SPARG VT-3	SUPPORT	11	SPARGER	SUPPORT	ISI-RPV-INT-00	1 SHT	1	RPV		09/03/86	Y
SPARG	SUPPORT	12	SPARGER	SUPPORT	ISI-RPV-INT-00	1 SHT	1	RPV		09/03/86	Y

TALLY ITEM B13.10 178
TALLY CDECAT B-N-1 178







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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-N-2 ITEM NUMBER B13.20 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE	-x - 8					
NZA RISR SUP HELD A	RPV BELT ATTACH	ISI-RPV-INT-001 SHT 4	RPV	-	09/03/86	Y
N2A RISR SUP HELD B	RPV BELT ATTACH	ISI-RPV-INT-001 SHT 4	RPV		09/03/86	Y
N2F RISR SUP HELD A	RPV BELT ATTACH	ISI-RPV-INT-001 SHT 4	RPV .		09/03/86	Y
N2F RISR SUP HELD B	RPV BELT ATTACH	ISI-RPV-INT-001 SHT 4	.RPV		09/03/86	Y

TALLY ITEM B13.20 4

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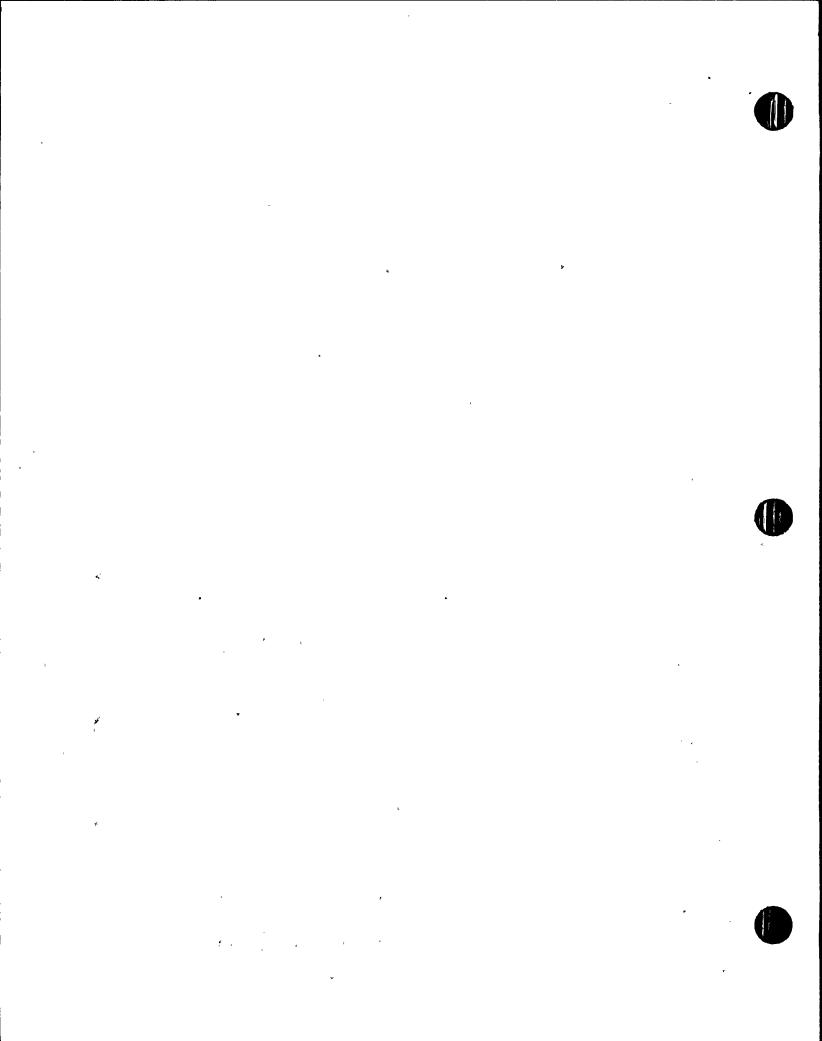


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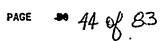
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY B-N-2 ITEM NUMBER B13.21 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM NO	ANII PROGRAM SIGN-OFF CREDIT
DRYER SUP BRKT A	RPV ATTACH HELD	ISI-RPV-INT-001 SHT 2	RPV	09/03/86 N
DRYER SUP BRKT B	RPV ATTACH HELD	ISI-RPV-INT-001 SHT 2	RPV .	09/10/86 N
DRYER SUP BRKT C	RPV ATTACH HELD	ISI-RPV-INT-001 SHT 2	RPV	09/10/86 N
DRYER SUP BRKT D	RPV ATTACH HELD	ISI-RPV-INT-001 SHT 2	RPV	09/10/86 N
HLD DHN BRKT HELD A	RPV ATTACH HELD	ISI-RPV-INT-001 SHT 2	RPV	09/06/86 Y
HLD DWN BRKT HELD B	RPV ATTACH HELD	ISI-RPV-INT-001 SHT 2	RPV	09/06/86 Y
HLD DAN BRKT HELD C	RPV ATTACH HELD	ISI-RPV-INT-001 SHT 2	RPV	09/06/86 Y
HLD DHN BRKT HELD D VT-3	RPV ATTACH HELD	ISI-RPV-INT-001 SHT 2	RPV	09/06/86 Y

TALLY ITEM B13.21 8 TALLY CDECAT B-N-2 12







CIDEXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
GBB2014-HW8E SUR	P-LUG/H16	ISI-GBB-201-4-H	CS	200150	08/06/86	Y
G8B2014-HH8F SUR	P-LUG/H16	ISI-G8B-201-4-H	,cs	200150	08/06/86	Y
GBB2014-HM8G SUR	P-LUG/H16	ISI-GBB-201-4-H	cs	200150	08/06/86	Y
GBB2014-HH8H SUR	P-LUG/H16	ISI-G88-201-4-H	cs	200150	08/06/86	Y
GBB2014-HH8I SUR	P-LUG/H16	ISI-GBB-201-4-H	cs	200150	08/06/86	Y
GBB2014-KH8J SUR	P-LUG/H16	ISI-GBB-201-4-H	cs	200150	08/06/86	Y
GBB2014-HW8K SUR	P-LUG/H16	ISI-G8B-201-4-H	cs	200150	08/06/86	Y
GBB2014-HN8L SUR	P-LUG/H16	ISI-GBB-201-4-H	cs	200150	08/06/86	Y
GBB2031-HW-1A SUR	P-LUG/H8	ISI-G8B-203-1-H	cs	200195	08/07/86	Y
GBB2031-HH-1B SUR	P-LUG/H8	ISI-GBB-203-1-H	cs	200195	08/07/86	Y

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CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE GBB2031-HH-1C SUR	P-LUG/H8	ISI-GBB-203-1-H	cs	200195	08/07/86	Y
GBB2031-HW-1D SUR	P-LUG/H8	ISI-G8B-203-1-H	cs	200195	08/07/86	Y
G8B2031-HH-1E SUR	P-LUG/H8	ISI-G8B-203-1-H	cs	200195	08/07/86	Y
GBB2031-HH-1F SUR	P-LUG/H8	ISI-G8B-203-1-H	cs	200195	08/07/86	Υ
GBB2031-HH-1G SUR	P-LUG/H8	ISI-G8B-203-1-H	cs	200195	08/07/86	Y
GBB2031-HH-1H SUR	P-LUG/H8	ISI-GBB-203-1-H	cs	200195	08/07/86	Y .
DBB2181-HH1A SUR	P-PLT/H02	ISI-DBB-218-1-H	FH	210140	08/18/86	Y
DBB2181-HW1B SUR	P-PLT/HO2	ISI-DBB-218-1-H	FH	210140	08/18/86	Y
DBB2181-HW1C SUR	P-PLT/H02	ISI-DBB-218-1-H	FH	210140	08/18/86	Y
DBB2181-HW1D SUR	P-PLT/H02	ISI-DBB-218-1-H	FH	210140	08/18/86	Y



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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DBB2181-HW1E SUR	P-LUG/H02	ISI-DBB-218-1-H	FH	210140	08/18/86	Y
D882181-HH1F SUR	P-LUG/H02	ISI-EBB-218-1-H	FH	210140	08/18/86	Y
DBB2181-HH1G SUR	P-LUG/H02	ISI-DBB-218-1-H	FH	210140	08/18/86	Y
DBB2181-HW1H SUR	P-LUG/H02	ISI-DBB-218-1-H	FH	210140	08/18/86	Y
DBB2141-HH1A SUR	P-LUB/H9	ISI-DBB-214-1-H	HPCI	220180	08/12/86	Y •
DBB2141-HH1B SUR	P-LUG/H9	ISI-DBB-214-1-H	HPCI	220180	08/12/86	Y
DBB2141-HW1C SUR	P-LUG/H9	ISI-DBB-214-1-H	HPCI	220180	08/12/86	Y
DBB2141-HH1D SUR	P-LUG/H9	ISI-DBB-214-1-H	HPCI	220180	08/12/86	Y
DBB2141-HH1E SUR	P-LUG/H9	ISI-DBB-214-1-H	HPCI	220180	08/12/86	Y
DBB2141-HH1F SUR	P-LUG/H9	ISI-088-214-1-H	HPCI .	220180	08/12/86	Y



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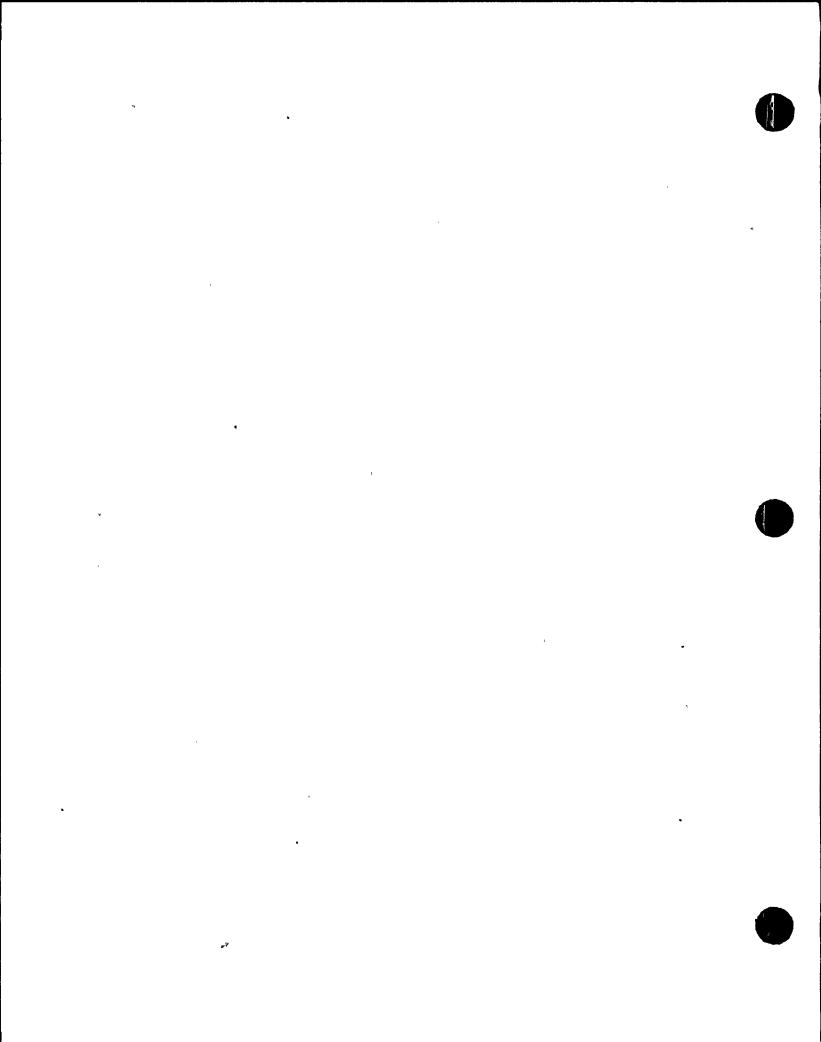
CID EXAM TYPE	DESC	ISI ISO	SYSTEM	 NO:	ANII SIGN-OFF	PROGRAM CREDIT
DBB2141-HW1G SUR	P-LUG/H9	ISI-DBB-214-1-H	HPCI	220180	08/12/86	Y
DBB2141-HW1H SUR	P-LUG/H9	ISI-DBB-214-1-H	HPCI	220180	08/12/86	Y
DBB2141-HH2A SUR	P-LUG/H5	ISI-DBB-214-1-H	HPCI	220200	08/12/86	Y
DBB2141-HH2B SUR	P-LUG/H5	ISI-DBB-214-1-H	HPCI	220200	08/12/86	Y
DBB2141-HH2C SUR	P-LUG/H5	ISI-DBB-214-1-H	HPCI	220200	08/12/86	Y
DBB2141-HH2D SUR	P-LUG/H5	ISI-DBB-214-1-H	HPCI	220200	08/12/86	Y
DBB2141-HW2E SUR	P-LUG/H5	ISI-DBB-214-1-H	HPCI	220200	08/12/86	Y
DBB2141-HW2F SUR	P-LUG/H5	ISI-DBB-214-1-H	HPCI	220200	08/12/86	Y
DBB2141-HH2G SUR	P-LUG/H5	ISI-DBB-214-1-H	HPCI	220200	08/12/86	Y
DBB2141-HW2H SUR	P-LUG/H5	ISI-DBB-214-1-H	HPCI	220200	08/12/86	Y



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CID EXAM TYPE	DESC .	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
HBB2091-HH-2A SUR	P-PLT/H54	ISI-HBB-209-1-H	HPCI	220100	08/14/86	Y
HBB2091-HH-2B SUR	P-PLT/H54	∕ISI-HBB-209-1-H अव्यक्ष	HPCI	220100	08/14/86	Y
HBB2091-HH-2C -SUR	P-PLT/H54	ISI-HBB-209-1-H	HPCI	220100	08/14/86	Y
HBB2091-HH-2D SUR	P-PLT/H54	ISI-HBB-209-1-H	HPCI	220100	08/14/86	Y
DBB2031-HH5A SUR	P-PLT/H17	ISI-DBB-203-1-H	MS	230300	09/07/86	Y
DBB2031-HM5B SUR	P-PLT/H17	ISI-DBB-203-1-H	MS	230300	09/07/86	Y
DBB2031-HH5C SUR	P-PLT/H17	ISI-DBB-203-1-H	MS	230300	09/07/86	Y
DBB2211-HW1A . SUR	P-PLT/H07	ISI-DBB-221-1-H	RCIC	260220	08/18/86	Y
DBB2211-HW1B SUR	P-PLT/H07	ISI-DBB-221-1-H	RCIC	260220	08/18/86	Y
DBB2211-HH1C SUR	P-PLT/H07	ISI-DBB-221-1-H	RCIC	260220	08/18/86	Y



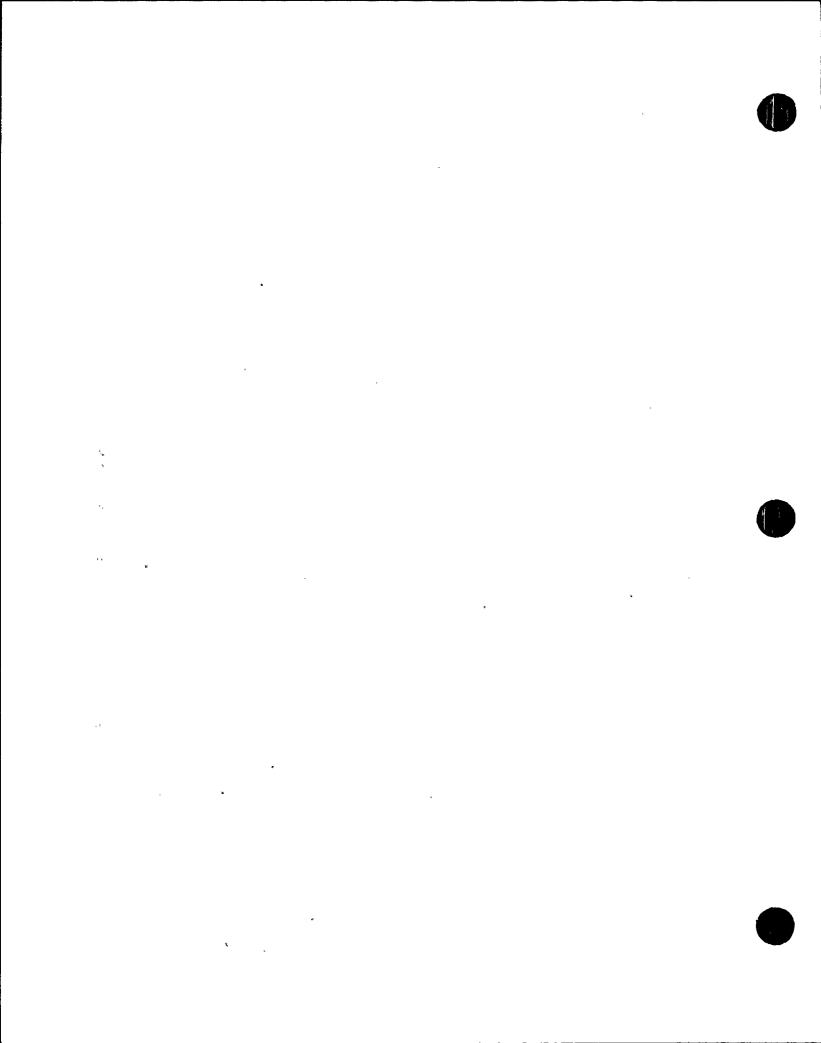


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY C-C ITEM NUMBER C3.20 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DBB2211-HH1D SUR	P-PLT/H07	ISI-DBB-221-1-H	RCIC	260220	08/18/86	Y
GBB2062-HM-2A Sur	P-LUG/H14	ISI-GBB-206-2-H	RHR	270260	08/07/86	Y
GBB2062-HM-2B SUR	P-LUG/H14	ISI-GBB-206-2-H	RHR	270260	08/07/86	Y
GBB2062-HH-2C SUR	P-LUG/H14	ISI-GBB-206-2-H	RHR	270260	08/07/86	Y
GBB2062-HM-20 SUR	P-LUG/H14	ISI-GBB-206-2-H	RHR	270260	08/07/86	Y
GBB2062-HM-2E SUR	P-LUG/H14	ISI-G8B-206-2-H	RHR	270260	08/07/86	Y
GBB2062-HW-2F SUR	P-LUG/H14	ISI-GBB-206-2-H	RHR	270260	08/07/86	Y
GB82062-HH-2G SUR	P-LUG/H14	ISI-G8B-206-2-H	RHR	270260	08/07/86	Υ *
GBB2062-HH-2H SUR	P-LUG/H14	ISI-GBB-206-2-H	RHR	270260	08/07/86	Y

TALLY ITEM C3.20 59 TALLY CDECAT C-C 59

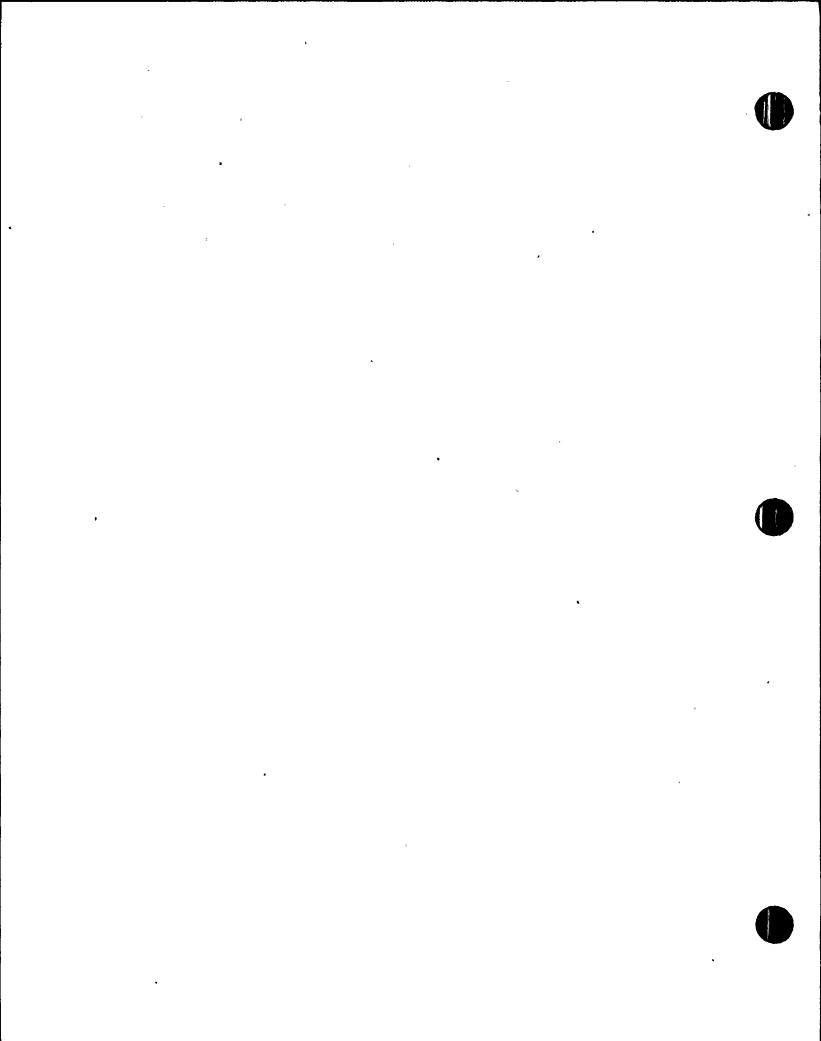






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CIO	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE HBB2081-FM-2 SUR	FL-T	_	HPCI	220260	08/14/86	Y
HBB2081-1-B SUR	P-T	ISI-HBB-208-1	HPCI	220300	08/14/86	Y
HBB2081-2-C SUR	E-T	ISI-HBB-208-1	HPCI	220320	08/14/86	Y
HBB2081-3-B SUR	P-E	ISI-HBB-208-1	HPCI	220340	08/14/86	Y
GBB2311-FH-1 SUR	CP-P	ISI-GBB-231-1	MSIV	240100	09/11/86	Y
EBB2031-FH-1 SUR	NOZ-P	ISI-EBB-203-1	RCIC	260100	08/16/86	Y
EBB2031-FH-5 SUR	P-FL	ISI-EBB-203-1	RCIC	260160	08/16/86	Y
EB82031-3-C SUR	E-P	ISI-EBB-203-1	RCIC	260180	08/16/86	Y
GBB2041-1-B SUR	FL-E	ISI-GBB-204-1	RHR	270300	08/12/86	, Y
GBB2044-2-C SUR	P-E	ISI-GBB-204-4	RHR	270200	08/14/86	Y





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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY C-F ITEM NUMBER C5.11 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
GBB2051-FH-3	V-P	ISI-GBB-205-1	RHR	270580	09/01/86	Υ,

TALLY ITEM C5.11 11

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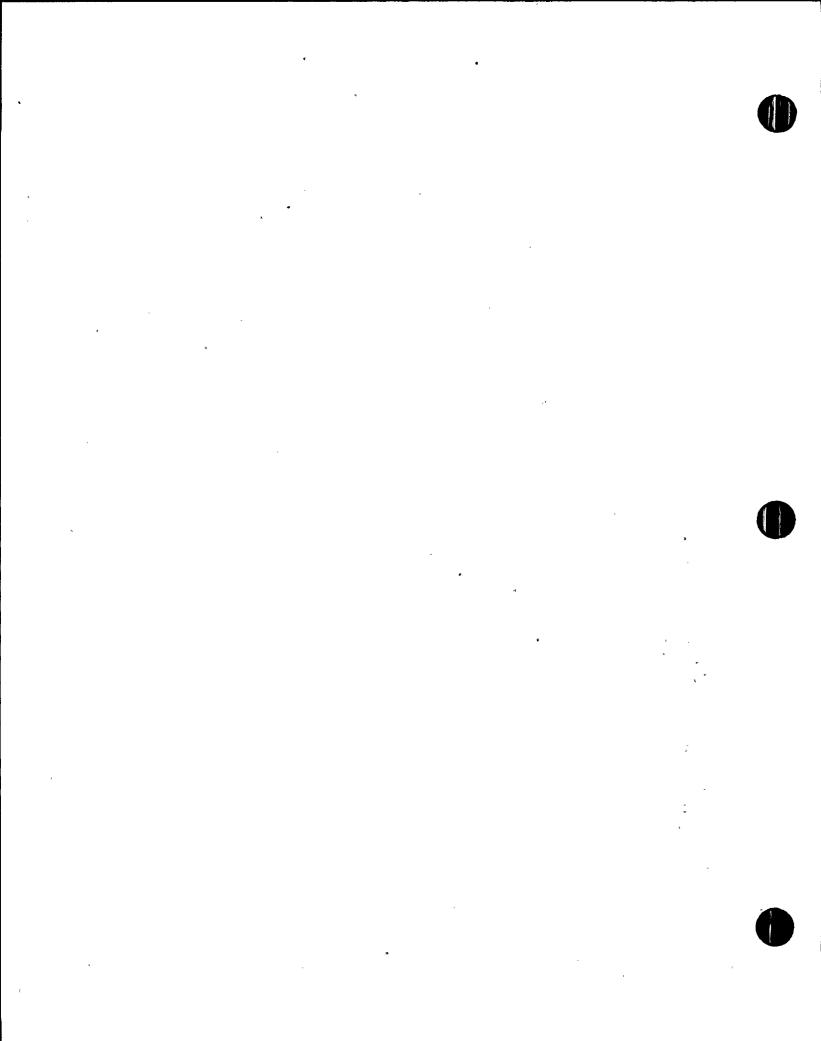
CID	DESC	ISI ISO	SYSTEM	EXAM OO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE						• -
VBB2021-FM-2 SUR	P-E	ISI-VBB-202-1	CRD	290120	09/10/86	Y
VBB2021-FH-2 VOL	P-E	ISI-VBB-202-1	CRD	290120	09/10/86	Υ .
VBB2021-FH-4 SUR	P-T	ISI-VBB-202-1	CRD	290140	08/20/86	Y
V8B2021~FW-4 VOL	P-T	ISI-VBB-202-1	CRD	290140	08/20/86	Y *
DBB2181-FH-5 VOL	P-V	ISI-DB8-218-1	FH	210120	08/26/86	Y '
DBB2181-FH-5 SUR	P-V	ISI-DBB-218-1	FH	210120	08/26/86	Y
DBB2141-FH-9 VOL	E-P	ISI-DBB-214-1	нрсі	220160	09/05/86	Y
DBB2141-FW-9 SUR	E-P	ISI-D8B-214-1	HPCI	220160	09/05/86	Y
DBB2031-9-A SUR	P-RED	ISI-DBB-203-1	ms *	230100	09/11/86	Y
DBB2031-9-A VOL	P-RED	ISI-DBB-203-1	HS	230100	09/11/86	Y





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CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DBB2291-FH-11 SUR	P-CP	ISI-DBB-229-1	MS	230200	08/27/86	Y
DBB2291-FH-11 VOL	P-CP	ISI-DBB-229-1	ms [°]	230200	08/27/86	Y
VNBB214-FH-B-7 SUR	V-RED	ISI-VNB-B21-4	MS	230440	09/01/86	Y
VNBB214-FH-B-7 VOL	V-RED	ISI-VNB-B21-4	нs	230440	09/01/86	Y
DBB2211-FH-6 VOL	P-E	_ ISI-DBB-221-1	RCIC	260200	09/11/86	Y
DBB2211-FH-6 . SUR	P-E	ISI-DBB-221-1	RCIC	260200	09/11/86	Y
GBB2061-FM-6 SUR	V-P	ISI-GBB-206-1	RHR	270460	09/05/86	Υ .
GBB2061-FH-6 VOL	V-P	ISI-GBB-206-1	RHR	270460	09/05/86	Y
GBB2061-FW-8 SUR	P-FL	ISI-GBB-206-1	RHR	270480	08/27/86	Y
GBB2061-FH-8 VOL	P-FL	ISI-GBB-206-1	RHR	270480	08/27/86	Y





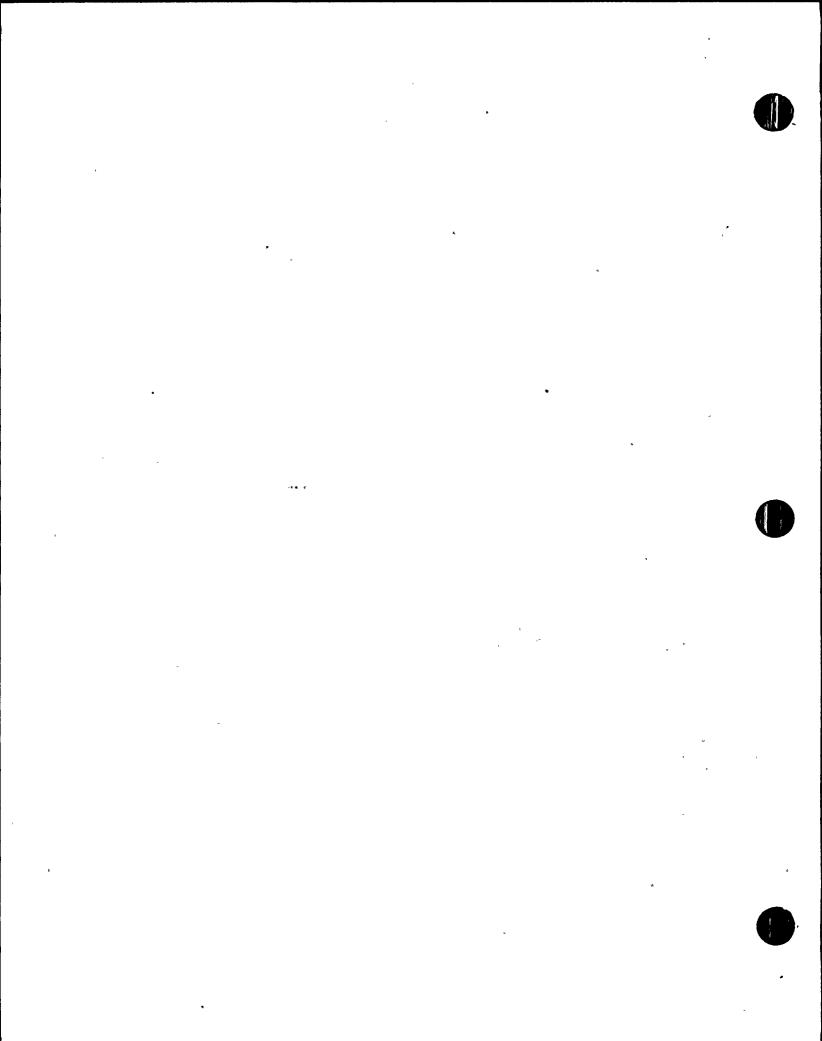
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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SURMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY C-F ITEM NUMBER C5.21 01/09/87

CID EXAM TYPE		DESC	ISI ISO	SYSTEM	MAX3 NO	ANII SIGN-OFF	PROGRAM CREDIT	
GBB2062-2-B SUR		Ť-P	ISI-G8B-206-2	RHR	270240	09/05/86	Y	
G882062-2-B VOL	*	т-Р	ISI-GBB-206-2	RHR	270240	09/05/86	Υ.	

TALLY ITEM C5.21 22







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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY C-F ITEM NAMER C5.31 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT	
DBB2181-1-B SUR	P-SHOL	ISI-DBB-218-1	RCIC	210180	08/26/86	Y	

TALLY ITEM C5.31 1 TALLY CDECAT C-F 34





SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SWIMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY C-F* ITEM NUMBER C5.11 01/09/87

CID EXAM TYPE	DESC	1,2	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
GBB2014-1-A SUR	FL-E	i ding w	ISI-GBB-201-4	cs	200200	08/07/86	Υ -
GBB2014-8-A SUR	P-FL		ISI-GBB-201-4	cs	200190	08/07/86	Y

TALLY ITEM C5.11 2

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY C-F* ITEM NUMBER C5.21 01/09/87

CID	DESC	ISI ISO	SYSTEM	NO .	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE DBB2131-FH-3 VOL	PP	ISI-0B8-213-1	cs	200500	08/20/86	Υ .
DB82131-FH-3 SUR	р-р	•	cs	200500	08/20/86	Y
DBB2171-FH-9 VOL	Т-Р	ISI-DBB-217-1	HPCI	220360	08/18/86	Υ,
DBB2171-FH-9 SUR	Т-Р	ISI-D8B-217-1	нрсі	220360	08/18/86	Y

TALLY ITEM C5.21 4
TALLY CDECAT C-F* 6

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY C-G ITEM NUMBER C6.10 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE 2P206D-359-1-2 SUR	FL-SH	C-199560	cs		0	Y
2P206D-359-2-L1 SUR	SEAM	C-199560	cs		0	Y
2P206D-359-2-L2 SUR	SEAM	C-199560	cs		0 0	Y
2P206D-359-2-2 SUR	SH-SH	C-199560	cs		0	Y
2P206D-359-2-3 SUR	SH-SH	C-199560	cs		0	Y
2P206D-359-3-7 SUR	CIRC	C-199560	cs		0	Y
2P206D-361-3-13 SUR	FL-P	C-199560	cs	201500	08/07/86	Υ .
2P206D-361-4-6 SUR	E-FL	C-199560	cs ·	201510	08/07/86	Y
2P206D-361-5-L SUR	SEAM	C-199560	cs	201520	08/07/86	Y
2P206D-361-5-13 SUR	P-SH	C-199560	cs	201530	08/07/86	Y

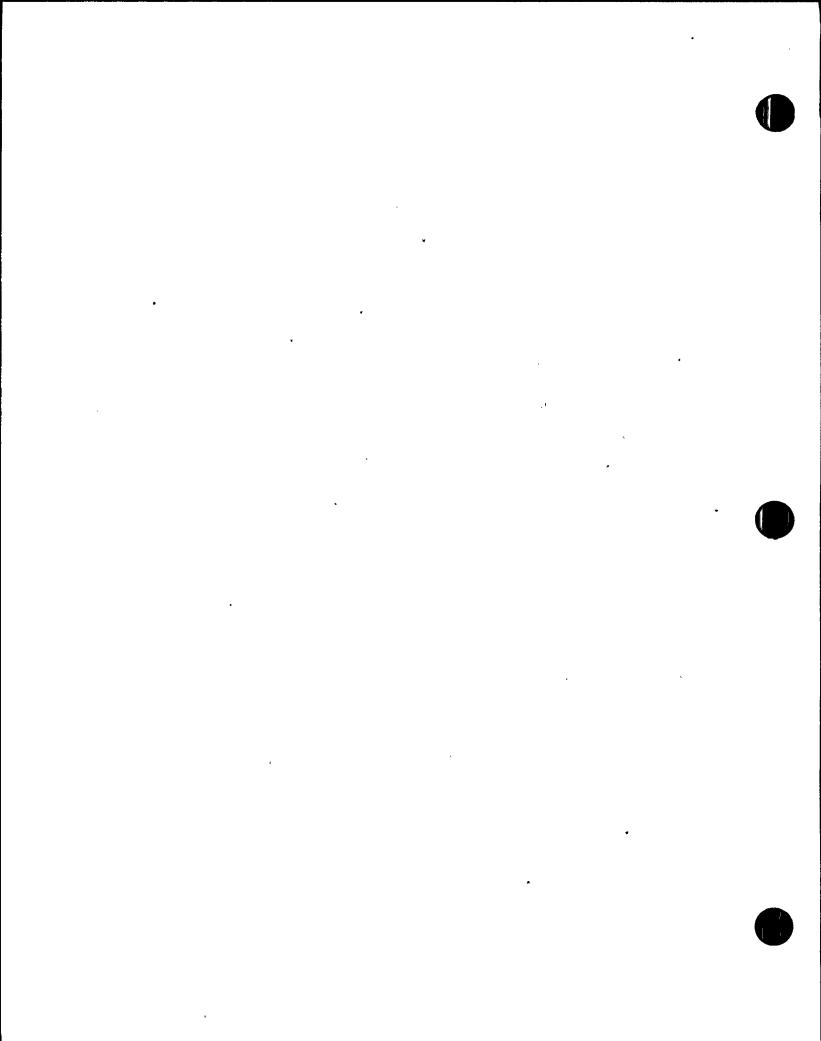
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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY C-G ITEM NUMBER C6.10 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
2P206D-361-5-6 SUR	E-SH	C-199560	cs	201540	08/07/86	Y
2P206D-361-5-8 SUR	PLT-SH	C-199560	cs	201550	08/07/86	Y

TALLY ITEM C6.10 12 TALLY CDECAT C-G 12







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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY D-B ITEM NUMBER D2.20 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII. SIGN-OFF	PROGRAM CREDIT
EXAM TYPE HRC2141-HO1-IA VT-3	HO1/1 INT ATT	ISI-HRC-241-1	RHRSH	340040	08/18/86	Y
HRC2142-H04-IA VT-3	H04/10 INT ATT	ISI-HRC-214-2-H	RHRSM	340160	08/11/86	Y
HRC2142-HO5-IA VT-3	HOS/1 INT ATT	ISI-HRC-214-2-H	RHRSM	340100	08/11/86	Y

TALLY ITEM D2.20 3

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY D-B ITEM NUMBER D2.30 01/09/87

DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
H143/4 INT ATT	ISI-GBC-201-10-H	MS	320340	09/06/86	Y
H254/4 INT ATT	ISI-GBC-201-12-H	MS	320180	09/05/86	Y
H180/4 INT ATT	ISI-GBC-201-13-H	MS	320440	09/06/86	Y.
H186/4 INT ATT	ISI-GBC-201-13-H	MS	320220	09/06/86	Y
H15/1 INT ATT	ISI-HRC-212-1-H	RHRSH	340140	08/11/86	Y
	H143/4 INT ATT H254/4 INT ATT H180/4 INT ATT H186/4 INT ATT	DESC	DESC	DESC	DESC

TALLY ITEM D2.30 5

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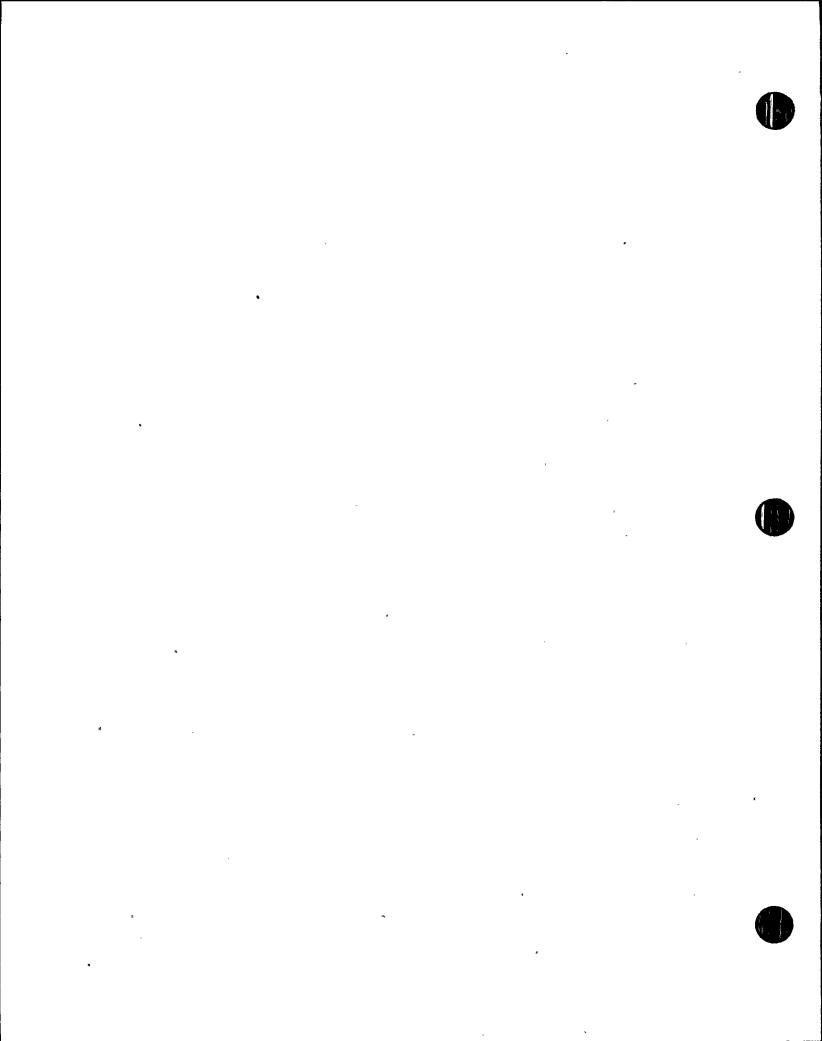


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY D-B ITEM NUMBER D2.40 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
GBC2017-H335-IA VT-3	H335/4 INT ATT	ISI-GBC-201-7-H	MS	320840	09/06/86	Y
G8C2017-H63-IA VT-3	H63/4 INT ATT	ISI-GBC-201-7-H	MS	320280	09/06/86	Y
GBC2018-H340-IA VT-3	H340/1 INT ATT	ISI-G8C-201-8-H	MS	320840	09/05/86	Y
GBC2018-H41-IA VT-3	H41/4 INT ATT	ISI-GBC-201-8-H	MS	320300	09/10/86	Y
HRC2121-H14-IA VT-3	H14/4 INT ATT	ISI-HRC-212-1-H	RHRSH	340200	08/11/86	Y
HRC2122-H17-IA VT-3	H17/4 INT ATT	ISI-HRC-212-2-H	RHRSW	340080	08/13/86	Y
TALLY TYPE D2 40	4	_				

TALLY ITEM D2.40 6
TALLY CDECAT D-B 14





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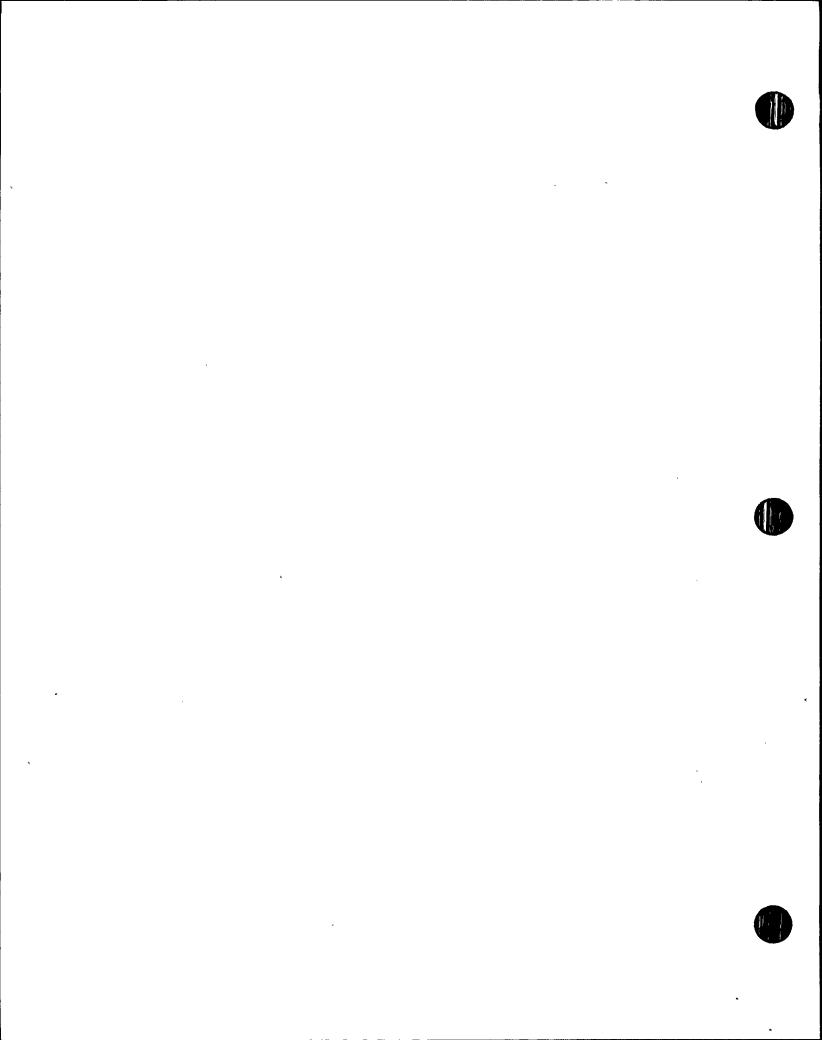
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2
1986 FIRST REFUELING OUTAGE
OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS
CODE CATEGORY D-C
ITEM NAMBER D3.20
01/09/87

ANII PROGRAM SIGN-OFF CREDIT ISI ISO **EXAM** CID SYSTEM NO DESC EXAM TYPE HCC2034-H52-IA VT-3 FPC 200440 08/07/86 Y

ISI-HCC-203-4-H

TALLY ITEM D3.20 1 TALLY CDECAT D-C 1

H52/8 INT ATT



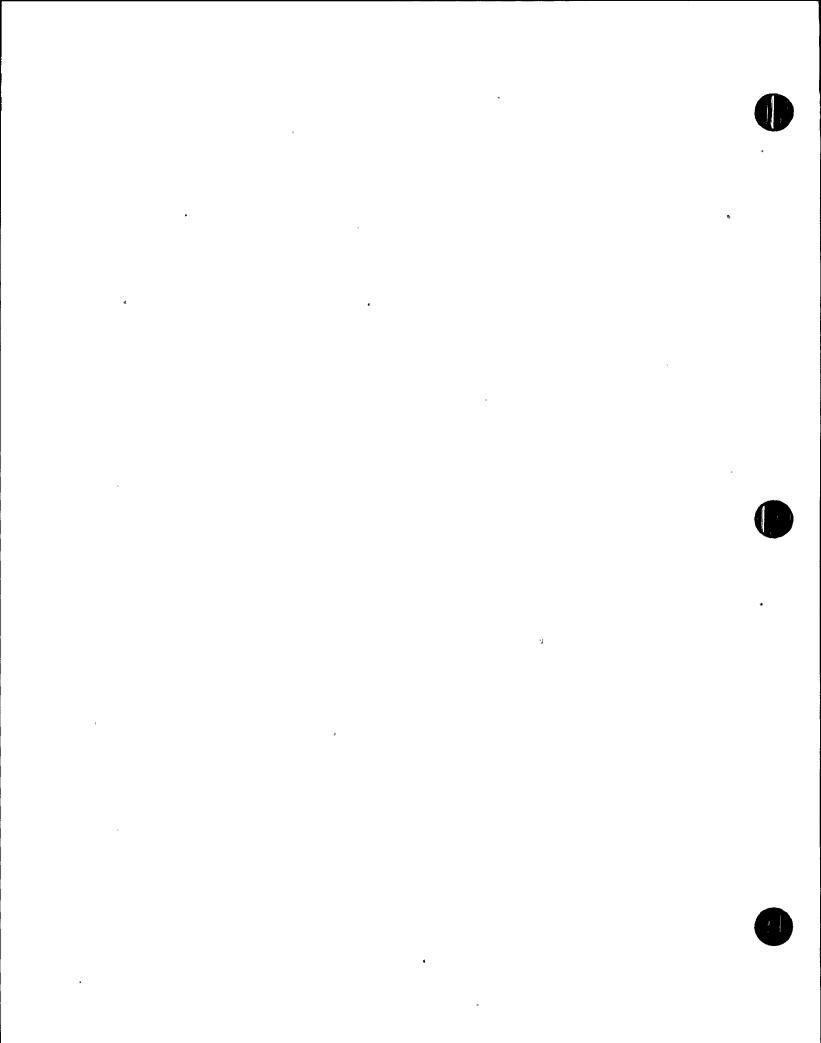


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2
1986 FIRST REFUELING OUTAGE
OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS
CODE CATEGORY F-PMP
ITEM NUMBER F-CSP
01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	NO	SIGN-OFF	CREDIT	
2P-206D VT-3	ANCHOR BOLTS	C-199560	cs	100040	09/12/86	Y	

TALLY ITEM F-CSP 1







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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY F-PMP ITEM NUMBER F-RCP 01/09/87

CID EXAM TYPE	DESC		ISI ISO 	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
RHS200-HA5 VT-3	SPRING	•	ISI-VRR-B31-3-H	RR	180180	08/22/86	Y
RHS200-HA5 VT-4	SPRING	i Su	ISI-VRR-B31-3-H	RR	180180	08/22/86	Y
RHS200-HA6 VT-3	SPRING		ISI-VRR-B31-3-H	RR	180200	08/22/86	Y
RHS200-HA6 VT-4	SPRING		ISI-VRR-B31-3-H	RR	180200	08/22/86	Y

TALLY ITEM F-RCP 4
TALLY CDECAT F-PHP 5

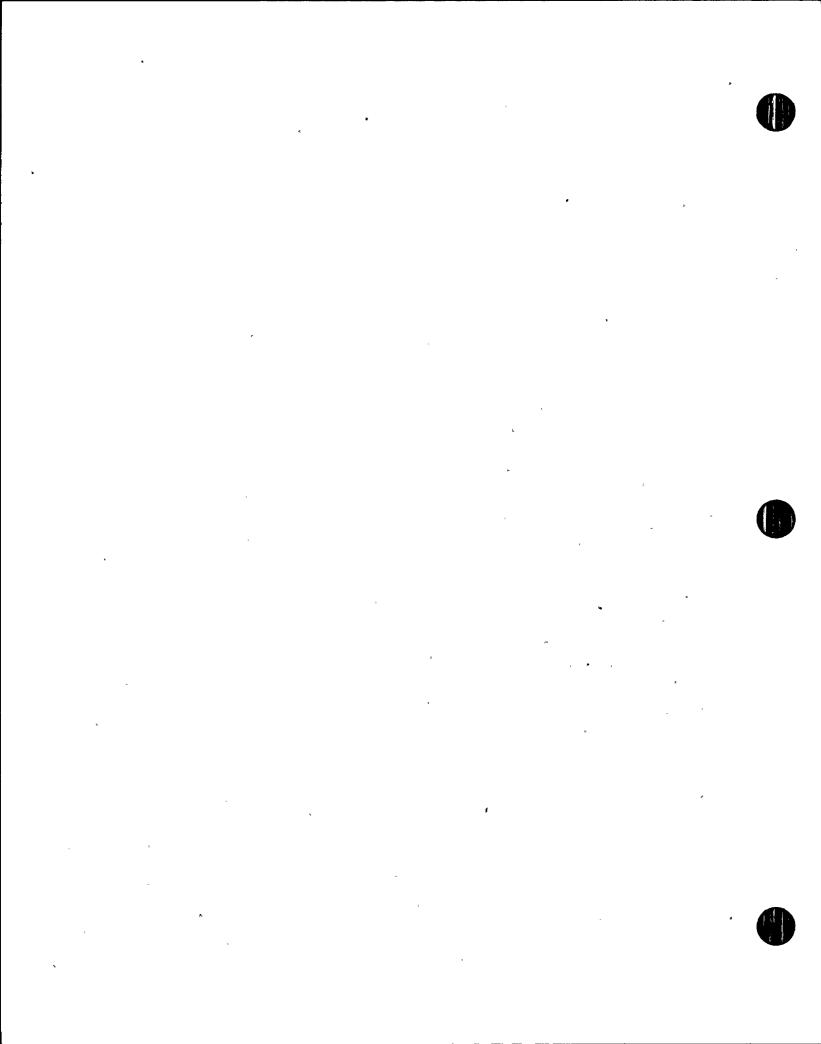


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SUSQUEHARNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY NCHOR ITEM NUMBER F-ANCH 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE	•					
DCA2091-HX-16A VT-3	FL-HEAD	ISI-DCA-209-1-H	cs	100100	08/14/86	Y
HRC2061-H12 VT-3	ANCHOR	ISI-HRC-206-1-H	ESW	300200	08/15/86	Y
DLA2031-HX-9B VT-3	FL-HEAD	ISI-DLA-203-1-H	FH	210200	09/11/86	Y
HBB2091-H54 VT-3	ANCHOR	ISI-HBB-209-1-H	HPCI	220120	08/13/86	Y
DBB2052-H12 VT-3	ANCHOR	ISI-DBB-205-2-H	MS	230120	09/06/86	Y
GBC20115-HX-400S VT-3	FL HEAD	ISI-GBC-201-15-H	MS	320100	09/10/86	Y
G8B2311-H51 VT-3	ANCHOR =	ISI-GBB-231-1-H	MSIV	240120	08/15/86	Y
DB82211-H7 VT-3	ANCHOR	ISI-DBB-221-1-H	RCIC	260240	08/18/86	Y
DCA2081-HX-12 VT-3	FL HEAD	ISI-DCA-208-1-H	RHR	170200	08/11/86	Y
DCB2021-H2 VT-3	ANCHOR	ISI-DCB-202-1-H	RHR	271220	09/06/86	Y







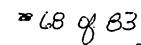
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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY NCHOR ITEM NUMBER F-ANCH 01/09/87

CID EXAM TYPE	DESC	ISI ISO	3	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
HRC2142-H4 VT-3	ANCHOR	ISI-HRC-214-2-H		RHRSH	340180	08/07/86	Y
DCA2022-H16 - VT-3	FL HEAD	ISI-DCA-202-2-H		RHCU	190220	09/10/86	Y
SPDCA2062-HX-42	ANCHOR	ISI-SP-DCA-206-2-	l	SBLC	420100	08/18/86	Y

TALLY ITEM F-ANCH 13 TALLY CDECAT NCHOR 13





SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY RIGID ITEM NUMBER F-RIGD 01/09/87

CID	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE	r	•	2	*		
VBB2021-H1 VT-3	RIG HANG'	ISI-VBB-202-1-H	CRD	290100	08/15/86	Y
VBB2021-H6 VT-3	RIG HANG	ISI-VBB-202-1-H	CRD	290160	08/15/86	Y
GBB2014-H13 VT-3	SHAY ST	ISI-GBB-201-4-H	cs	200300	08/06/86	Y
GBB2014-H16 VT-3	SHAY ST	ISI-G88-201-4-H	cs	200180	08/06/86	Y
GBB2031-H8 VT-3	SHAY ST	ISI-G88-203-1-H	cs	200290	08/07/86	Y
HRC2011-H7 VT-3	SHAY ST	ISI-HRC-201-1-H	ESH	300160	09/01/86	Y
HRC2021-H4 VT-3	SWAY ST	ISI-HRC-202-1-H	ESH	300180	08/15/86	Υ .
HRC2041-H1 VT-3	GUIDE	ISI-HRC-204-1-H	ESH	300120	08/15/86	• Ү
HBC2171-H6 VT-3	SHAY ST	ISI-HBC-217-1-H	FPC	200420	08/11/86	Y
HCC2031-H11 VT-3	GUIDE	ISI-HCC-203-1-H	FPC	200480	08/11/86	Y

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY RIGID ITEM NUMBER F-RIGD 01/09/87

CID EXAM TYPE	DESC	ISI- ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DBB2181-H2 VT-3	RIG HANG	ISI-DBB-218-1-H	FH-	210160	08/18/86	Y
DBB2141-H18 VT-3	SHAY ST	ISI-08B-214-1-H	HPCI	220380	08/18/86	Y
DBB2141-H5 VT-3	RIG HANG	ISI-DBB-214-1-H	HPCI	220220	08/14/86	Y
DBB2141-H9 VT-3	SHAY ST	ISI-DBB-214-1-H	HPCI	220240	08/14/86	Y
HBB2081-H9 VT-3	SHAY ST	ISI-HBB-208-1-H	HPCI	220280	08/14/86	Y
DBB2031-H1 VT-3	RIG HANG	ISI-DBB-203-1-H	MS	230340	09/06/86	Y
DBB2031-H10 VT-3	SHAY ST	ISI-D8B-203 1-H	MS	230160	08/21/86	Y
DBB2291-H1 VT-3	RIGIDST	ISI-DBB-229-1-H	MS	230220	09/22/86	Y
G8C2017-H259 VT-3	SHAY ST	ISI-GBC-201-7-H	MS	320260 '	09/06/86	Y
DBA2051-H14 VT-3	SHAY ST	ISI-DBA-205-1-H	RCIC	150120	09/10/86	Y



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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY RIGID ITEM MARBER F-RIGD 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DBB2212-H26 VT-3	SHAY ST	ISI-D8B-221-2-H	RCIC	260200	09/10/86	Y
GBB2041-H12 VT-3	SMAY ST ' .	ISI-GBB-204-1-H	RHR	270340	08/13/86	Y
GBB2044-H20 VT-3	SHAY ST	ISI-GBB-204-4-H	RHR	270180	08/07/86	Y
GBB2061-H8 VT-3	SHAY ST	ISI-GBB-206-1-H	RHR	270500	08/14/86	Y
G8B2062-H14 VT-3	SHAY ST	ISI-GBB-206-2-H	RHR	270280	08/11/86	Y
GBB2122-H57 VT-3	SHAY ST	ISI-GBB-212-2-H	RHR	270120	08/07/86	Y
HRC2121-H13 VT-3	SHAY ST	ISI-HRC-212-1-H	RHRSH	340220	08/07/86	Y
HRC2122-H18 VT-3	SHAY ST	ISI-HRC-212-2-H	RHRSM	340060	08/13/86	Y
SPDCA2061-H3 VT-3	RIG SUP	ISI-DCA-206-1-H	SBLC	425000	09/10/86	Y
SPDCA2063-H2611 VT-3	SHAY ST	ISI-SP-DCA-206-3-H	SBLC	420120	08/15/86	Y
TALLY ITEM F-RIGD	30	_				

TALLY ITEM F-RIGD 30

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2
1986 FIRST REFUELING OUTAGE
OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS
CODE CATEGORY RIGID
ITEM NUMBER F-RIGD
01/09/87

ANII PROGRAM SIGN-OFF CREDIT

EXAM

NO

CID DESC ISO SYSTEM

EXAM TYPE

TALLY CDECAT RIGID 30

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SUSQUEHAMMA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SNUB ITEM NUMBER F-VT34 01/09/87

CID * EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DCA2092-H10 VT-3	SHUB MECH	ISI-DCA-209-2-H	cs	100200	09/10/86	Y
DCA2092-H10 VT-4	SNUB MECH	ISI-DCA-209-2-H	cs	100200	09/10/86	Y
HRC2011-H14 VT-3	SNUB MECH	ISI-HRC-201-1-H	ESH	300140	08/18/86	Y
HRC2011-H14 VT-4	SNUB MECH	ISI-HRC-201-1-H	ESH	300140	08/18/86	Y
HBC2171-H11 VT-3	SNUB HECH	ISI-HBC-217-1-H	FPC	200400	08/07/86	Y
HBC2171-H11 VT-4	SNUB HECH	ISI-HBC-217-1-H	FPC	200400	08/07/86	Y
DLA2021-H15 VT-3	SNUB MECH	ISI-DLA-202-1-H	FH	110260	09/06/86	Y
DLA2021-H15 VT-4	SNUB MECH .	ISI-DLA-202-1-H	FH	110260	09/06/86	Y
HBB2091-H58 VT-3	SNUB MECH	ISI-HBB-209-1-H	HPCI	220140	08/16/86	Y
HBB2091-H58 VT-4	SNUB MECH	ISI-HBB-209-1-H	HPCI	220140	08/16/86	Y

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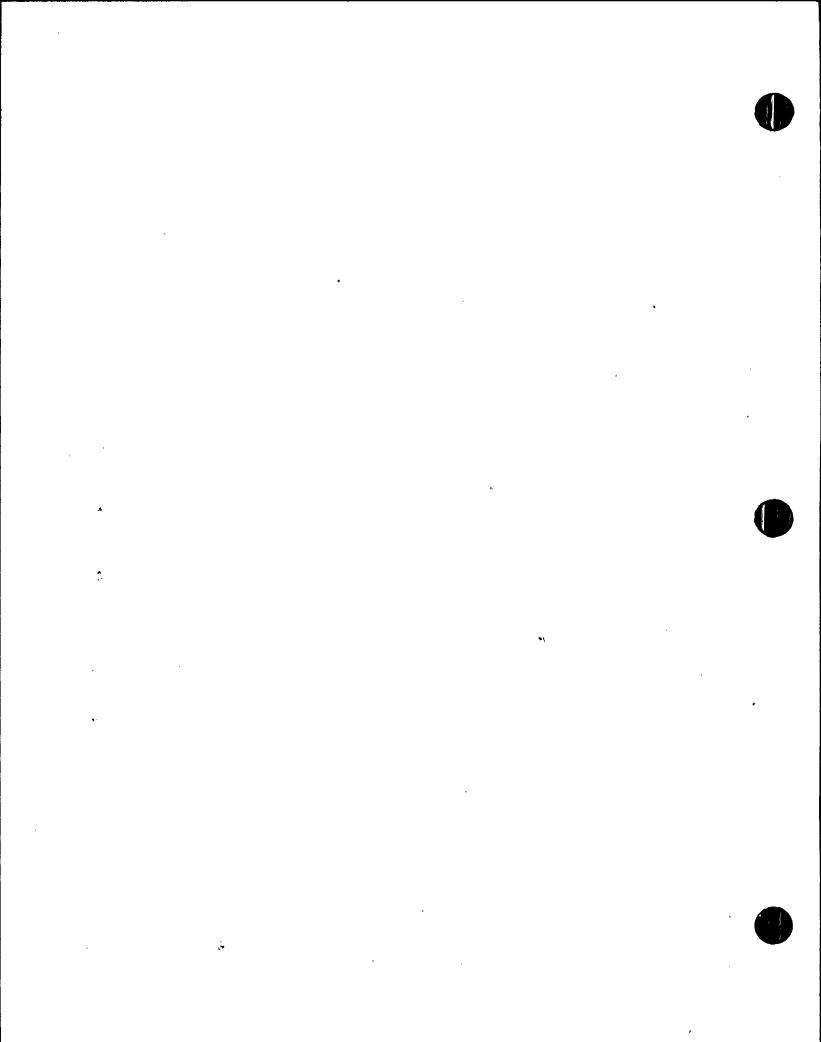


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SIND ITEM NUMBER F-VT34 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
GBC20110-H143 VT-3	SNUB HECH	ISI-G8C-201-10-H	HS	320320	09/06/86	Y
G8C20110-H143 VT-4	SNUB HECH	ISI-GBC-201-10-H	HS	320320	09/06/86	Y
GBC20112-H254 VT-3	SNUB MECH	ISI-GBC-201-12-H	MS	320160	09/05/86	Y
GBC20112-H254 VT-4	SNUB MECH	ISI-GBC-201-12-H	MS	320160	09/05/86	Y
GBC20113-H186 VT-3	SNUB MECH	ISI-GBC-201-13-H	MS	320200	09/01/86	Y
GBC20113-Й186 . VT-4	SNUB MECH	ISI-GBC-201-13-H	MS	320200	09/01/86	Y
G8C20114-H168 VT-3	SNUB MECH	ISI-M-201-14-H	MS	320360	09/06/86	Υ .
G8C20114-H168 VT-4	SHUB MECH	ISI-M-201-14-H	MS	320360	09/06/86	Y
GBC20118-H111 VT-3	SNUB MECH	ISI-GBC-201-18-H	нѕ	320120	09/01/86	Y
GBC20118-H111	SNUB MECH	ISI-GBC-201-18-H	MS	320120	09/01/86	Y



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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SNUB ITEM NUMBER F-VT34 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
GBC20118-H119 VT-3	SNUB MECH	ISI-GBC-201-18-H	MS	320240	09/05/86	Y
GBC20118-H119 VT-4	SNUB HECH	ISI-GBC-201-18-H	MS	320240	09/05/86	Y
GBC2017-H106 VT-3	SNUB MECH	ISI-G8C-201-7-H	HS	320140	09/05/86	Y
GBC2017-H106 VT-4	SNUB MECH	ISI-GBC-201-7-H	MS	320140	09/05/86	Y
G8C2018-H278 VT-3	SNUB MECH	ISI-GBC-201-8-H	MS	320480	09/05/86	Y
GBC2018-H278 VT-4	SNUB HECH	ISI-GBC-201-8-H	MS	320480	09/05/86	Y
DBA2051-H6 VT-3	SNUB MECH	ISI-DBA-205-1-H	RCIC	150140	09/11/86	Y
DBA2051-H6 VT-4	SNUB MECH	ISI-DBA-205-1-H	RCIC	150140	- 09/11/86	Y
DBB2151-H11 VT-3	SNUB MECH	ISI-08B-215-1-H	RHR	270140	08/07/86	Y
DBB2151-H11 · VT-4	SNUB MECH	ISI-DBB-215-1-H	RHR	270140	08/07/86	Y



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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SNUB ITEM NUMBER F-VT34 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DBB2151-H51 VT-3	SNUB MECH	ISI-088-215-1-H	RHR	270160	08/07/86	Y
DBB2151-H51 VT-4	SHUB MECH	ISI-DBB-215-1-H	RHR	270160	08/07/86	Y
DBB2151-H59 VT-3	SNUB, MECH	ISI-DB8-215-1-H	RHR	270380	08/14/86	Y
DBB2151-H59 VT-4	SNUB MECH	ISI-DBB-215-1-H	RHR	270380	08/14/86	Y
DCA2081-H5 VT-3	SNUB HECH	ISI-DCA-208-1-H	RHR	160120	09/06/86	Y
DCA2081-H5 VT-4	SNUB MECH	ISI-DCA-208-1-H	RHR	160120	09/06/86	Y
GBB2041-H3 VT-3	SNUBHECH	ISI-GBB-204-1-H	RHR	270400	08/13/86	Y
GBB2041-H3 VT-4	SHUBHECH	ISI-GBB-204-1-H	RHR	270400	08/13/86	Y
GBB2051-H93 VT-3	SNUB MECH	ISI-GBB-205-1-H	RHR	270420	08/13/86	Y
GBB2051-H93 VT-4	SNUB HECH	ISI-GBB-205-1-H	RHR	270420	08/13/86	Y





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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SNUB ITEM NUMBER F-VT34 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	MAXE ON	ANII SIGN-OFF	PROGRAM CREDIT
GBB2062-H56 VT-3	SNUB MECH	ISI-GBB-206-2-Н	RIIR	270100	08/07/86	Y
GBB2062-H56 VT-4	SNUB MECH	ISI-GBB-206-2-H	RHR	270100	08/07/86	Y
GBB2092-H58 VT-3	SNUB MECH	ISI-GBB-209-2-H	RHR	270440	08/13/86	Y
G8B2092-H58 VT-4	SHUB MECH	ISI-GBB-209-2-H	RHR	270440	08/13/86	Y
HRC2121-H15 VT-3	SNUB MECH	ISI-HRC-212-1-H	RHRSM	340120	08/07/86	Υ ΄
HRC2121-H15 VT-4	SNUB MECH	ISI-HRC-212-1-H	RHRSW	340120	08/07/86	Y
DCA2421-H3 VT-3	SNUB HECH	ISI-DCA-242-1-H	RR	180360	09/05/86	Y
DCA2421-H3 VT-4	SHUB HECH	ISI-DCA-242-1-H	RR	180360	09/05/86	Y
RHS200-H26 VT-3	SNUB MECH	ISI-VRR-B31-4-H	RR	180400	09/10/86	Y
RHS200-H26 VT-4	SNUB MECH	ISI-VRR-B31-4-H	RR	180400	09/10/86	Y



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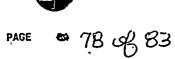
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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SNUB ITEM NUMBER F-VT34 01/09/87

.CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
RHS200-H28 VT-3	SNUB MECH 1	ISI-VRR-B31-4-H	RR	180380	09/01/86	Y
RHS200-H28 VT-4	SNUB HECH	ISI-VRR-B31-4-H	RR	180380	09/01/86	Y
RHS200-H38 VT-3	SNUB MECH	ISI-VRR-B31-4-H	RR	180340	09/05/86	Y
RHS200-H38 VT-4	SNUB MECH	ISI-VRR-B31-4-H	RR	180340	09/05/86	Y
DCA2022-H4 VT-3	SHUB MECH	ISI-DCA-202-2-H	RHCU	190120	09/10/86	Y
DCA2022-H4 VT-4	SNUB MECH	ISI-DCA-202-2-H	RHCU	190120	09/10/86	Y
SPDCA2061-H2 VT-3	SNUB MECH	ISI-DCA-206-1-H	SBLC	425600	09/10/86	Y
SPDCA2061-H2 VT-4	SNUB MECH	ISI-DCA-206-1-H	SBLC	425800	09/10/86	Y

TALLY ITEM F-VT34 58 TALLY CDECAT SNUB 58





SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SPRNG ITEM NUMBER F-SPR 01/09/87

CID	DESC	ISI ISO	SYSTEM	NO '	ANII SIGN-OFF	PROGRAM CREDIT
DCA2071-H1 VT-3	VAR SUP	ISI-DCA-207-1-H	cs	100100	09/10/86	Y
DCA2071-H1 VT-4	VAR SUP	ISI-DCA-207-1-H	cs	100100	09/10/86	Y
GBB2011-H70 VT-3	VAR SUP	ISI-GBB-201-1-H	cs	200100	08/18/86	, Y
G8B2011-H70 VT-4	VAR SUP	ISI-G8B-201-1-H	cs	200100	08/18/86	Y
HRC2031-H2 VT-3	VAR SUP	ISI-HRC-203-1-H	ESM	300100	08/18/86	Υ
HRC2031-H2 . VT-4	VAR SUP	ISI-HRC-203-1-H	ESH	300100	08/18/86	Y
HCC2033-H63 VT-3	VAR SUP	ISI-HCC-203-3-H	FPC	200460	08/07/86	Υ .
HCC2033-H63 VT-4	VAR SUP	ISI-HCC-203-3-H	FPC	200460	08/07/86	Y
DLA2011-H2 VT-3	VAR SUP	ISI-DLA-201-1-H	FH	110140	09/24/86	Y
DLA2011-H2 VT-4	VAR SUP	ISI-DLA-201-1-H	FH	110140	09/24/86	Y



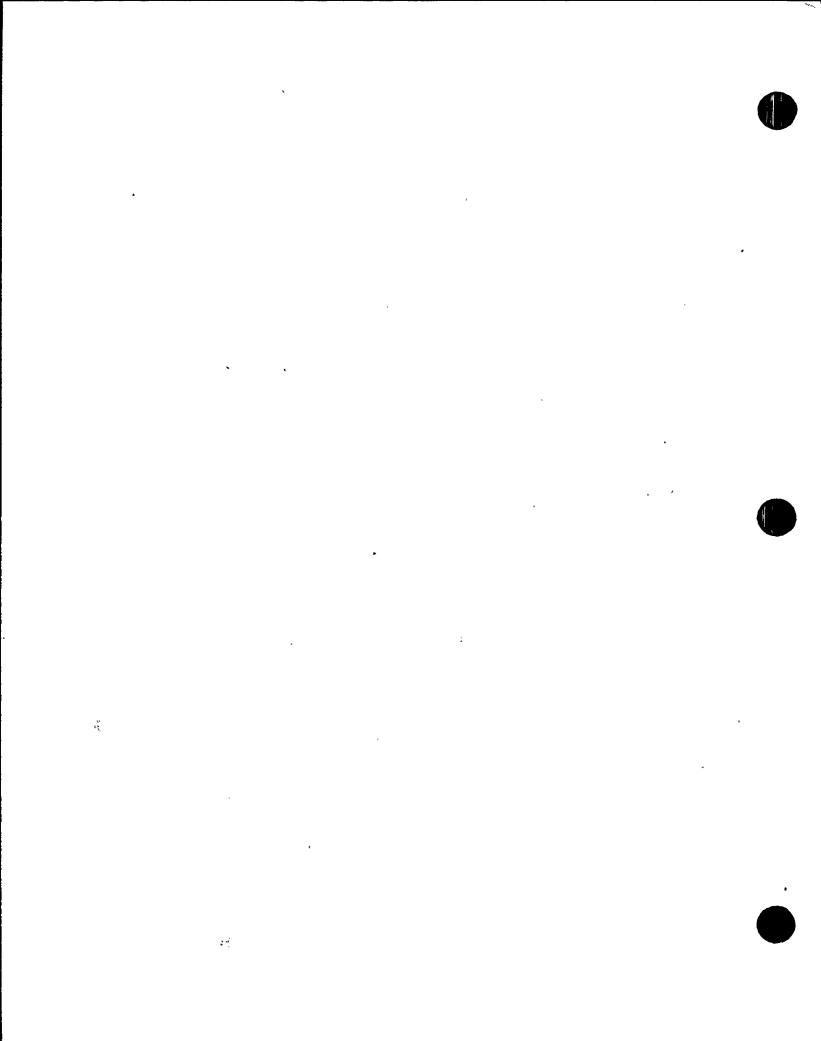


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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SPRNG ITEM NUMBER F-SPR 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
DLA2041-H4 VT-3	VAR SUP	ISI-DLA-204-1-H	FH	110200	09/06/86	Y
DLA2041-H4 VT-4	YAR SUP	ISI-DLA-204-1-H	FH	110200	09/06/86	Y
DBA2021-H3 VT-3	VAR SUP	ISI-DBA-202-1-H	HPCI	120160	09/06/86	Y
DBA2021-H3 VT-4	VAR SUP	ISI-DBA-202-1-H	нрсі	120160	09/06/86	Y
DBB2011-H5 VT-3	VAR SUP	ISI-DBB-201-1-H	HS	230140	09/06/86	Υ .
DBB2011-H5 VT-4	VAR SUP	ISI-DBB-201-1-H	MS	230140	09/06/86	Y
DBB2051-H3 VT-3	VAR SUP	ISI-DBB-205-1-H	MS	230180	08/21/86	Y
DBB2051-H3 VT-4	VAR SUP	ISI-DBB-205-1-H	нѕ	230180	08/21/86	Y
GBC20110-H36 VT-3	VAR SUP	ISI-GBC-201-10-H	MS	320400	09/06/86	Y
GBC20110-H36 VT-4	VAR SUP	ISI-GBC-201-10-H	MS	320400	09/06/86	Y







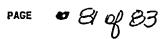
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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SPRING ITEM NUMBER F-SPR 01/09/87

CID .	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
EXAM TYPE GBC20111-H69 VT-3	VAR SUP	'ISI-G8C-201-11-H	MS	320460	09/06/86	Y
GBC20111-H69 VT-4	VAR SUP	ISI-GBC-201-11-H	MS	320460	09/06/86	Y
GBC20112-H320 VT-3	VAR SUP	ISI-GBC-201-12-H	MS	320420	09/06/86	Y
GBC20112-H320 VT-4	VAR SUP	ISI-GBC-201-12-H	MS	320420	09/06/86	Y
GBC2017-H335 VT-3	VAR SUP	ISI-GBC-201-7-H	ms	320820	09/06/86	Y
GBC2017-H335 VT-4	VAR SUP	ISI-GBC-201-7-H	MS	320820	09/06/86	Y
HST222-H5 VT-3	VAR SUP	ISI-VIB-B21-4-H	MS	320600	09/06/86	Y
MST222-H5 VT-4	VAR SUP	ISI-VNB-B21-4-H	MS	320600	09/06/86	Y
MST222-H7 VT-3	VAR SUP	ISI-VNB-B21-3-H	MS	320960	09/06/86	Y
MST222-H7 VT-4	VAR SUP	ISI-VNB-B21-3-H	MS.	320960	09/06/86	Y





SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUMMARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SPRING ITEM NUMBER F-SPR 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	MAX3	ANII SIGN-OFF	PROGRAM CREDIT
EBB2031-H1 VT-3	VAR SUP	ISI-EBB-203-1-H	RCIC	260120	08/18/86	Y
EBB2031-H1 VT-4	VAR SUP	ISI-EBB-203-1-H	RCIC	260120	08/18/86	Y
HBB2012-H1 VT-3	VAR SUP	ISI-HBB-201-2-H	RCIC	260140	08/18/86	Y
HBB2012-H1 VT-4	VAR SUP	ISI-HBB-201-2-H	RCIC	260140	08/18/86	Y
DBB2071-H4 VT-3	VAR SUP	ISI-DBB-207-1-H	RHR	270540	08/13/86	Y
DBB2071-H4 VT-4	VAR SUP	ISI-DBB-207-1-H	RHR	270540	08/13/86	Y
DCA2101-H5 VT-3	VAR SUP	ISI-DCA-210-1-H	RHR	271240	09/06/86	Y
DCA2101-H5 VT-4	VAR SUP	ISI-DCA-210-1-H	RHR	271240	09/06/86	Y
DCA2102-H1 VT-3	VAR SUP	ISI-DCA-210-2-H	RHR	271260	09/25/86	Y
DCA2102-H1 VT-4	VAR SUP	ISI-DCA-210-2-H	RHR	271260	09/25/86	Y

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SUSQUEHAMMA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SUITARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SPRNG ITEM NUMBER F-SPR 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
GBB2051-H90 VT-3	VAR SUP	ISI-GBB-205-1-H	RHR	270360	08/13/86	Y
GBB2051-H90 VT-4	VAR SUP	" ISI-GBB-205-1-H	RHR	270360	08/13/86	Y
GBB2091-H15 VT-3	VAR SUP	ISI-GBB-209-1-H	RHR	270220	08/13/86	Y
GBB2091-H15 VT-4	VAR SUP	ISI-GBB-209-1-H	RHR	270220	08/13/86	Y
GBB2092-H5 VT-3	VAR SUP	ISI-GBB-209-2-H	RHR	270520	08/13/86	Y
GBB2092-H5 VT-4	VAR SUP	ISI-GBB-209-2-H	RHR	270520	08/13/86	Y
HBB2112-H07 VT-3	VAR SUP	ISI-HBB-211-2-H	RHR	270320	08/14/86	Y
HBB2112-H07 VT-4	VAR SUP	ISI-HBB-211-2-H	RHR	270320	08/14/86	Y
HRC2123-H1 VT-3	VAR SUP	ISI-HRC-212-3-H	RHRSH	340020	08/13/86	Y
HRC2123-H1 VT-4	VAR SUP	ISI-HRC-212-3-H	RHRSH	340020	08/13/86	Υ

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SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 1986 FIRST REFUELING OUTAGE OUTAGE SURTHARY REPORT FOR PIPING AND COMPONENTS CODE CATEGORY SPRNG ITEM NUMBER F-SPR 01/09/87

CID EXAM TYPE	DESC	ISI ISO	SYSTEM	EXAM NO	ANII SIGN-OFF	PROGRAM CREDIT
	VAR SUP	ISI-VRR-B31-3-H	RR	180220	08/22/86	Y
RHS200-HA2 VT-4	VAR SUP	ISI-VRR-B31-3-H	RR	180220	08/22/86	Y
RHS200-HA4 VT-3	VAR SUP	ISI-VRR-B31-3-H	RR	180260	08/22/86	Y
RHS200-HA4 VT-4	VAR SUP	ISI-VRR-B31-3-H	RR	180260	08/22/86	Y
DBA2012-H7 VT-3	VAR SUP	ISI-DBA-201-2-H	RHCU	190240	09/10/86	Y
DBA2012-H7 VT-4	. VAR SUP	ISI-DBA-201-2-H	RHCU	190240	09/10/86	Y
DCA2031-H3 VT-3	VAR SUP	ISI-DCA-203-1-H	RHCU	190280	09/11/86	Υ .
DCA2031-H3 VT-4	VAR SUP	ISI-DCA-203-1-H	RNCU	190280	09/11/86	Y

TALLY ITEM F-SPR 58
TALLY CDECAT SPRNG 58

APPENDIX B

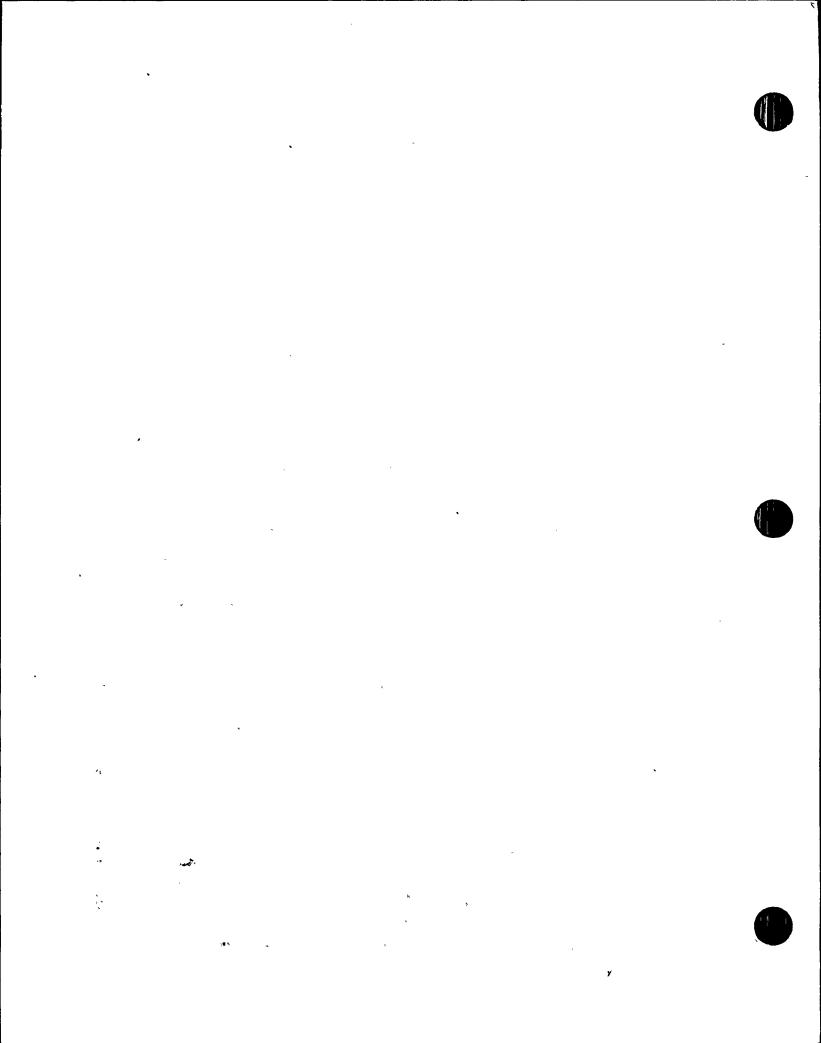
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APPENDIX B.1 SECTION XI CODE COMPLIANCE SUMMARY - UNIT 2 FRO (SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	IST INTERVAL EXAMS	FIRST PERIOD SCHEDULED	FIRST RFO PROGRAM CREDIT RECEIVED
AUG1	AUG1	X-EOI	170	30	30
AUG2	AUG2	X-CATB	58	11	10
		X-CATC	20	4	4
AUG3	AUG3	X-AUG3A	17	0 .	0
ч		X-AUG3B	6	0 .	0
		X-AUG3C	12	0	0
B-A	B1.11	X-EOI	10	0	0
	B1.12	X-EOI	13	0	0
	B1.21	X-EOI	į	0	0
		X-ID ,	1	0	0 -
	B1.22	X-EOI	8	0	o .
		X-ID	6	0	0
	B1.30	z	1	0	0
	B1.40	Z	. 2	.0	0
B-D	B3.100	z	30 [*]	0	0
	B3.90	Z	30	0	0
B-E	84.11	X-ID	1	0	0
	B4.12	X-ID	46	8	8
-	B4.13	X-ID	15	3	3
B-F	B5.10	Z	34	0	0
	B5.130	X-ID	16	4	4
B-G-1	B6.10	X-EOI	76	ο .	0







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APPENDIX B.1 SECTION XI CODE COMPLIANCE SUMMARY - UNIT 2 FRO (SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEH .	EXAM SCHEDULE GUIDELINE	1ST INTERVAL EXAMS	FIRST PERIOD SCHEDULED	FIRST RFO PROGRAM CREDIT RECEIVED
B-G-1	B6.180	X-EOI	16	0 .	0
	B6.190	X-D	32	0	0
Þ	B6.20	X-EOI	76	0	0
	B6.200	X-D	· 32	0	0
	B6.30	X-EOI	152	0	0
	B6.40	X-D	76	0	0 .
	B6.50	X-D	76	0	0
B-G-2 .	B7.50	X-ID	25	8	4
	B7.70	X-ID	52	8	8
	B7.80	X-D	185	24	24
в-н	B8.10	X-ID	9	0	0
B-J	B9.11	X-ID '	288	56	56
	B9.12	X-ID	· 96	27	12
	B9.21	X-ID	4	1	1
	B9.31	X-ID	18	4	4
	B9.40	X-ID	15	3	3
B-K-1	B10.10	X-ID	92	16	12
B-L-2	B12.20	X-D	1 .	0	0
B-H-2	B12.50	X-D	26	4	3
B-N-1	B13.10	X-RO*	191	178	178
B-N-2	B13.20	X-EOI	23	4	4
и	813.21	X-EOI	48	8 ,	4

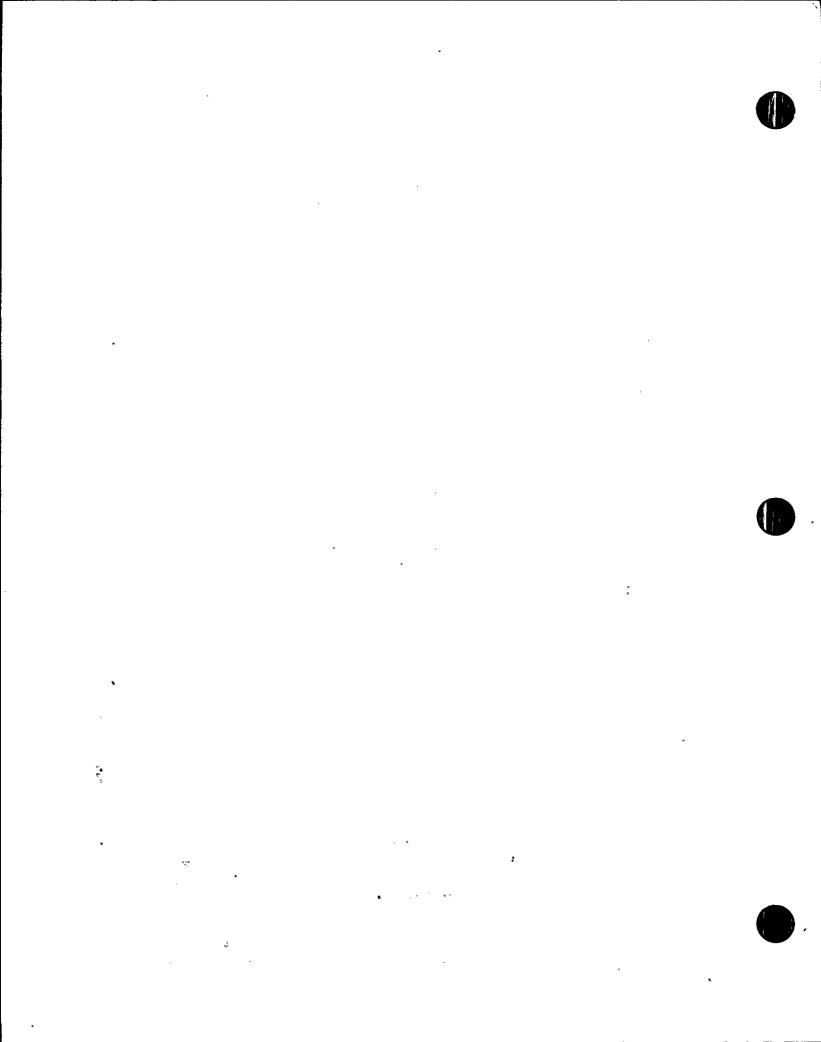


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APPENDIX B.1 SECTION XI CODE COMPLIANCE SURMARY - UNIT 2 FRO (SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	IST INTERVAL EXAMS	FIRST PERIOD SCHEDULED	FIRST RFO PROGRAM CREDIT RECEIVED
B-N-2	B13.22	X-D	370 -	0	0
Ti.		X-EOI	20	. 0 .	0
B-0	B14.10	X-EOI	8	0	0
C-A	C1.10	X-ID	• 1	0	0
	C1.20	X-ID		` 0 ′	0
С-В	C2.21	X-ID	4	0	0
	C2.22	X-ID	2	0	0
C-C	C3.10	X-ID	8 ,	0	0
	C3.20	X-ID	344	59	59
C-F	C5.11	X-ID	63	12	11
	C5.21	X-ID .	125	22 .	22
	C5.31	X-ID	7	1	1
C-F*	C5.11	X-ID	13	2	2
	C5.21	X-ID	22	4	4
C-G	C6.10	X-ID	33	12	12
D-B	D2.20	X-ID	19	3	3
	D2.30	X-ID	28	5	5
	D2.40	X-ID	34	6	6
D-C	D3.20	X-ID	6	1	1
	D3.30	X-ID .	1	0	0 .
	D3.40	X-ID	2	0	0
F-PMP	F-CSP	X-ID	1	1.	1

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PAGE

APPENDIX B.1 SECTION XI CODE COMPLIANCE SUMMARY - UNIT 2 FRO (SYSTEM PRESSURE TESTS NOT INCLUDED)

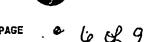
CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	1ST INTERVAL EXAMS	FIRST PERIOD SCHEDULED	FIRST RFO PROGRAM CREDIT RECEIVED
F-PMP	F-HIP	X-ID	2	0	0
	F-RCP	X-ID	16.	4 -	4
	F-RHP	X-ID	1	0	0
- Pr	F-RIP	X-ID	ु: 1 ्रक्	0 ,	0 (
-	F-RSP	X-ID	1.	. 0	. 0
F-TRB	F-HIT	X-ID .	1	0	0
	F-RIT	CI-X	1	0	0
F-VSL	F-RHX	X-ID.	. 2 .	. 0	•
	F-RPV	X-ID	9	0	0
	F-SSTK	X-ID *	2 .	0	0
NCHOR	F-ANCH	X-1P	26	26	13
		X-2P	26	^ 0	0
-		X-3P	26	0 ,	0 '
RIGID	F-RIGD	. X-1P	59	59	30
		X-2P	59	Đ	0
	-	X-3P	59	0	0
SNUB ·	F-VT34	X-1P .	120 -	120	58
		X-2P	118	0	0
	•	X-3P	120	0	0
SPRNG	F-SPR	X-1P	116	116	58
		X-2P	116	0	0
		X-3P	116	0	0

PAGE & 5 of

APPENDIX B.1 SECTION XI CODE COMPLIANCE SUMMARY - UNIT 2 FRO (SYSTEM PRESSURE TESTS NOT INCLUDED)

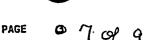
CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	1ST INTERVAL	FIRST PERIOD SCHEDULED	FIRST RFO PROGRAM CREDIT RECEIVED	PERCENT 1ST RFO OVER 1ST PER	PERCENT 1ST RFO OVER 1ST INT	PERCENT 1ST PER OVER 1ST INT
AUG1	AUG1	X-EOI	170	30	30	100.00	17.65	17.65
AUG2	AUG2	X-CATB	58	11	10	90.91	17.24	17.24
		X-CATC	20	4 .	4	100.00	20.00	20.00 ,
AUG3	AUG3	X-AUG3A	17	0	0	.00	.00	.00
4,		X-AUG3B	6	0	0	.00	.00	.00
		X-AUG3C	12	0	0	.00	.00 -	.00
B-A	B1.11	X-EOI	10	0	0	.00	.00	.00
1	B1.12	X-EOI	13	0	0 ,	.00	.00	.00
	B1.21	X-EOI	1	0	0	.00	.00	.00
		X-ID	1	0	0	.00	.00	.00
-	B1.22	X-EOI	8	0	0	.00	.00	.00
		X-ID	6	0	0	.00	.00	.00
	B1.30	Z	1	0	0	.00	.00	.00
-	B1.40	Z·	2	0	0	.00	.00	.00
B-D	B3.100	Z	30	0	0	.00	.00	.00
	B3.90	Z	30	0	0	.00	.00	.00
B-E	B4.11	X-ID	1	0	0	.00	.00	.00
	B4.12	X-ID .	46	8	8	100.00	17.39	17.39
	B4.13	X-ID	15	3	3	100.00	20.00	20.00
B-F	B5.10	Z	34	0	0	.00	.00	.00
•	B5.130	X-ID	16	4	4	100.00	25.00	25.00

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APPENDIX B.1
SECTION XI
CODE COMPLIANCE SUMMARY - UNIT 2 FRO
(SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	1ST INTERVAL EXAMS	FIRST PERIOD SCHEDULED	FIRST RFO PROGRAM CREDIT RECEIVED	PERCENT 1ST RFO OVER 1ST PER	PERCENT 1ST RFO OVER 1ST INT	PERCENT 1ST PER OVER 1ST INT
B-G-1	B6.10	X-EOI	76	0	0	.00	.00	.00
-	B6.180	X-EOI	16	0	0	.00	.00	.00
	B6.190	X-D	32	0	0	.00	.00	.00
	B6.20	X-EOI	76'	0	0	.00	.00	.00
	B6.200	X-D	`32	0	0	.00	.00	.00
	B6.30	X-EOI	152	0	0	.00	.00	.00
	B6.40	X-D	76	0	0	.00	.00	.00
	B6.50	X-D	76	0	0	.00	.00	.00
B-G-2	B7.50	X-ID	25	8	4	50.00	16.00	16.00
	B7.70	X-ID	52	8	8	100.00	15.38	15.38
	B7.80	X-D	185	24	24	100.00	12.97	12.97
в-н	88.10	X-ID	9	0	0	.00	.00	.00
B-J	B9.11	X-ID	288	56	56	100.00	19.44	19.44
•	B9.12	X-ID	96	27	12	44.44	12.50	12.50
	B9.21	X-ID	4	1	1	100.00	25.00	25.00
•	B9.31	X-ID	18	4	4	100.00	22.22	22.22
•	B9.40	X-ID	15	3	3	100.00	20.00	20.00
B-K-1	B10.10	X-ID	92	16	12	75.00	13.04	13.04
B-L-2	B12.20	X-D	1	0	0	.00	.00	.00
B-M-2	B12.50	X-D	26	4	3 .	75.00	11.54	11.54
B-N-1	B13.10	X-RO*	191	178	178	100.00	93.19	93.19



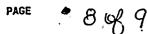
APPENDIX B.1
SECTION XI
CODE COMPLIANCE SUMMARY - UNIT 2 FRO
(SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	1ST INTERVAL EXAMS	FIRST PERIOD SCHEDULED	FIRST RFO PROGRAM CREDIT RECEIVED	PERCENT 1ST RFO OVER 1ST PER	PERCENT 1ST RFO OVER 1ST INT	PERCENT 1ST PER OVER 1ST INT
B-N-2	B13.20	X-EOI	23	4	4	100.00	17.39	17.39
	B13.21	X-EOI	48	8	4	50.00	8.33	8.33
	B13.22	X-D	370	0	0	.00	•òo	.00
		X-EOI	20	0	0	.00	.00	.00
B-0	B14.10	X-EOI	8	0	0	.00	.00	.00
C-A	C1.10	X-ID	1	0	0	.00	.00	.00
	C1.20	X-ID	1	0	0	.00	.00	.00
С-В	C2.21	X-ID	4	0	0	.00	.00	.00
	C2.22	X-ID	2	0	0	.00	.00	.00
C-C	C3.10	X-IO	8.	0	0	00	.00	.00
,	C3.20	X-ID	344	59	59	100.00	17.15	17.15
C-F	C5.11	X-ID	63	12	11	91.67	17.46	17.46
	C5.21	X-ID	125	22	22	100.00	17.60	17.60
	C5.31	X-ID	7	1	1	100.00	14.29	14.29
C-F*	C5.11	X-ID	13	2	2	100.00	15.38	15.38
	C5.21	X-ID	22	4	4	100.00	18.18	18.18
C-G	C6.10	X-ID	33	12	12 -	100.00	36.36	36.36
D-B	D2.20	X-ID	19	3	3	100.00	15.79	15.79
	D2.30	X-ID	28	5	5	100.00	17.86	17.86
* *	D2.40	X-ID	34	6	6	100.00	17.65	17.65
D-C	D3.20	X-ID	6	1	1	100.00	16.67	16.67

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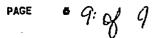




APPENDIX B.1
SECTION XI
CODE COMPLIANCE SUMMARY - UNIT 2 FRO
(SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEM	EXAM SCHEDULE GUIDELINE	IST INTERVAL	FIRST PERIOD SCHEDULED	FIRST RFO PROGRAM CREDIT RECEIVED	PERCENT 1ST RFO OVER 1ST PER	PERCENT 1ST RFO OVER 1ST INT	PERCENT 1ST PER OVER 1ST INT
D-C	D3.30	X-ID	1,300	0	0	.00	.00	.00
-	D3.40	X-ID	2	0 - '	0	.00	.00	.00
F-PMP	F-CSP	X-ID	1	1	1	100.00	100.00	100.00
	F-HIP	X-ID	2	.0	0	.00	.00	.00
•	F-RCP	X-ID	16	4	4	100.00	25.00	25.00
-	F-RHP	X-ID	1	0	0	.00	.00	.00
	F-RIP	X-IO	, 1	0	0	.00	.00	.00
	F-RSP	X-ID	1	0	0	.00	.00	.00
F-TRB	F-HIT	X-ID	1 1	0	0	.00	.00	.00
	F-RIT	X-ID	1	0	0	.00	.00	.00
F-VSL `	F-RHX	X-ID	2	0	0	.00	.00	.00
	F-RPV	X-ID	9	0	0	.00	.00	.00
	F-SSTK	X-ID	2	0	0	.00	.00	.00
NCHOR	F-ANCH	X-1P	26	26	13	50.00	50.00	50.00
		X-2P	26	0	0	.00	.00	.00
-		X-3P	26 .	0	0 -	.00	.00	.00
RIGID	F-RIGD	X-1P -	59	59	30	50.85	50.85	50.85
		X-2P	59	0 *	0	.00	.00	.00
	•	X-3P	59	0	0	.00	.00	.00
SNUB	F-VT34	X-1P	120	120	58	48.33	48.33	48.33
	*	X-2P	118	0	0	.00	.00	.00



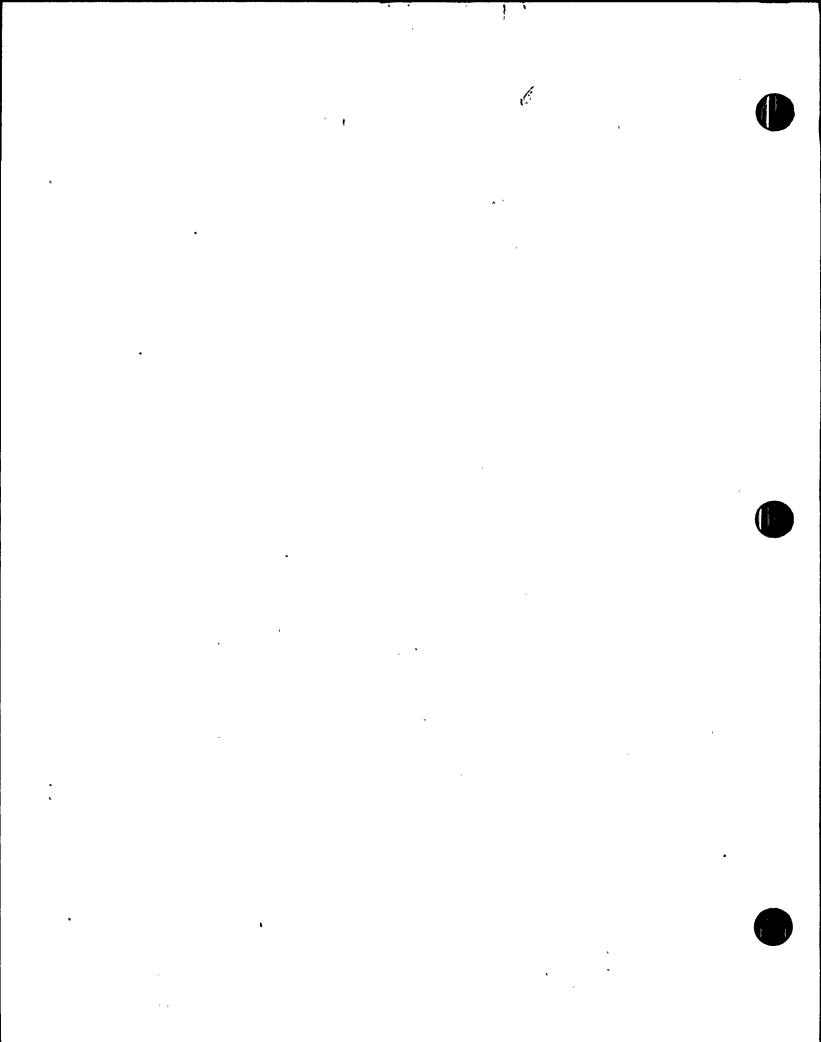


APPENDIX B.1 SECTION XI CODE COMPLIANCE SUMMARY - UNIT 2 FRO (SYSTEM PRESSURE TESTS NOT INCLUDED)

CODE CATEGORY	ITEH	EXAM SCHEDULE GUIDELINE	1ST INTERVAL EXAMS	FIRST PERIOD SCHEDULED	FIRST RFO PROGRAM CREDIT RECEIVED	PERCENT 1ST RFO OVER 1ST PER	PERCENT 1ST RFO OVER 1ST INT	PERCENT 1ST PER OVER 1ST INT
SNUB	F-VT34	X-3P	120	0	. 0	.00	.00	.00
SPRNG	F-SPR	X-1P	116	116	58	50.00	50.00	50.00
		X-2P	116	0	0	.00	.00	.00
		X-3P	116	, Ó	0	.00	.00	.00

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APPENDIX C

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APPENDIX C

SNUBBER DETAILED LISTING

The following snubbers were tested in the small size group (1/4 and 1/2): All hanger numbers begin with small pipe (sp) with the exception of those noted by *.

	HANGER NO.	SIZE	SERIAL NO.	NOTE
	-			
1)	DCA-246-H3007	1/4	24376	1
2)	HBB-201-H200€	1/4	23606	1
3)	DBA-212-H2609	1/4	23618	1
4)	DBA-217-H3004B	1/2	17190	.1
5)	DBA-217-H3004A	1/2	17189	1
6)	DCA-207-H5008	1/2	17200	1
7)	DBD-214-H9002	1/4	06316	1
8)	HBC-220-H9001	1/2	14436	1
9)	DBB-215-H5005	1/2	14467 -	1,2
10)	DBA-204-H2600	1/2	14447	1
11)	DBA-208-H4	1/4	24385	1
12)	DBA-210-H2	1/2	14463	1
13)	DBB-214-H4	1/2	14441	1
14)	DCA-201-H5003	1/4	23613	3
15)	HBD-2089-H9018	1/2	02402	4
16)	DBA-205-H3002	1/4	23621	1
17)	DCA-219-H5022	1/4	23630	1
18)	DCA-218-H5014	1/4	24366	1,5
19)	DBA-202-H5000	1/2	14444	1
20).		1/2	17187	
21)	DCA-218-H5026	1/4	24365	_
22)	HBD-6043-H9001	1/4	16420	
23)	DCB-211-H5008	1/4	24392	
24)	DCA-219-H5014	1/4	23016	
.25)	HCB-205-H55	1/4	16432	
26)	DCB-201-H52	1/2	14427	
27)	DCB-201-H55	1/2	14425	
28)	HCB-205-H59	1/2	14434	
29)	DBB-213-H5003	1/2	14437 22887	
30)	HCB-205-H57	1/4	14426	
31) 32)	DCB-201-H51 DCB-201-H54	1/2	17221	
33)	HCB-205-H53	1/2	28735	
34)	DCB-201-H53	1/4 1/2	14423	
-		1/4		
35) 36)	DCA-230-H3020	-	24391 23619	
30) 37)	DCA-230-H3032 DCA-229-H3004	1/4	21095	
38)	DCA-229-H3005	1/4	23627	
39)	DCA-229-H3006	1/4 1/4	23628	6
40)	DCA-229-H3007	1/4	23629	v
41)	DCA-229-H3007 DCA-230-H3012	1/4	23622 ·	
42)	DCA-230-H3012 DCA-229-H3002	1/4	14357	
43)	DCA-229-H3003	1/4	5158	
44)	DCA-230-H3003	1/4	23625	
45)	DCA-230-H3006	1/4	23623	
77	DUA-230-113000	4/¬	23023	





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	HANGER NO.	SIZE	SERIAL NO.	NOTE
· 46)	DCA-230-H3010 DCA-230-H3013	1/4 1/4	23626 24388	
48)	DCA-230-H3022	1/4	24390	7 '
49)	DCA-230-H3024	1/4	24389	A
- 50) 51)	DCB-208-H5006 DCB-208-H5007	1/4 1/4	6314 24369	4 4
52)	DBA-205-H3001	1/4	23620	7
53)	HBD-2089-H9009	1/4	23633	
54)	HBD-6043-H9009	1/4	24370	
* 55)	GBB-214-H52	1/2	14418	8
* 56)	GBB-214-H53	1/2	14413	۶ 9
57) 58)	DCA-220-H5020 DCA-220-H5021	1/4 1/2	24386 17186	•
59)	DCA-221-H5021	1/4	16443	
60)	DCA-221-H5022	1/2	17199	,
61)	DCA-226-H5049A	1/4	13085	
62)	DCA-226-H5049B	1/4	28740	
63)	DCA-206-H2	1/2	2371	
64) 65)	DCA-245-H2603 DCA-245-H2606	1/4	16422 ·4632	
66)	DCA-245-H2000 DCA-247-H3001	. 1/4 1/2	4632 14454	
67)	DBA-212-H2606	1/2	14445	
68)	DBA-212-H2642	1/2	14450	
69)	DCA-233-H3003A	1/4	22980	
70)	DCA-233-H3003B	1/4	22920	10
71) 72)	DCA-233-H3004	1/4	16401	
73)	DCA-233-H3005 DCA-233-H3007A	1/4 1/4	16369 6293	•
74)	DCA-233-H3007B	1/4	6251	
75)	DCA-233-H3008A	1/4	5134	ě
76)	DCA-233-H3008B	1/2	13951	
77)	DCA-234-H3002	1/4	6275	
78) 79)	DCA-234-H3014 DCA-234-H3001	1/4	21103	
80)	DCA-234-H3015	1/4 1/4	13060 23035	
81)	DCA-246-H3008	1/4	24377	
82)	DCA-247-H3003	1/4	24371	
83)	DCA-248-H3004	1/4	23610	
84)	DCA-248-H3001	1/4	23609 0	
85) 86)	DCA-248-H3003 DCA-249-H3001	1/2 1/2	17193 17194	
87)	DCA-249-H3002	1/2	17195	
88)	DCA-249-H3004	1/2	17196	
89)	DCA-246-H3006	. 1/4	28730	
90)	DCA-237-H5015	1/4	24394	11
91)	DCA-227-H5085	1/2	14464	
92) 93)	DCA-227-H5083 DCA-228-H5082	1/2 1/2	17188 17236	
94)	DCA-228-H5087	1/2	14421	
95)	DCA-227-H5090	1/4	23615	
96)	DCA-227-H5091	1/4	23616	
97)	DCA-228-H5070	1/2	14419	

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	HANGER NO.	C T 7E	· SERIAL NO.	NOTE
	HANGER NO.	SIZE	SERTAL NO.	HOTE
			14400	
98.		1/2	14420	
99.		1/4	` 24368	4
, 100 .	DCA-207-H5003	1/2	5608	*
101.	DBA-202-H5001	1/2	14460	
102.		1/2	12958	
103.		1/2	14401	
104.		1/2	14466	£ >
105.	DBA-208-H3	1/4	24384	
106.	DBA-208-H6	1/2	14409	
107.		1/4	24375	
108.	DBA-209-H2	1/4	24372	
109.	DBA-210-H1	1/4	24381	
110.		1/4	24379	
111.	DBA-211-H3	1/4	24380	
112.			14455	
		1/2		
113.	DBA-214-H3001	1/2	14456	
114.		1/2	14457	
115.	DBA-214-H3006A	1/4	24373	1
116.	DBA-214-H3006B	1/4	24378	
117.	DBA-215-H3002	1/4	28729	
118.	DBA-215-H3004	1/2	17197	
119.	DBA-216-H3002	1/2	14452	
			4788	
120.	DBA-219-H5003	1/2		10
121.		1/4	21067	12
122.	DBB-208-H17	1/2	14468	
123.	DBB-208-H82	1/4	9749	
124.	DBB-208-H83	1/2	17198 _	
125.	DBB-208-H85	1/4	24387	•
126.	DBB-208-H87	1/2	14462	
127.	DBB-208-H89	1/2	14469	
* 128.	DBB-209-H18	1/2	14417	
129.	DBB-209-H10			
130.		1/2	14449	
		1/4	23614	
131.	DBB-224-H3004	1/2	17191	
132.		1/2	17184	
133.	DBB-225-H3004	1/2	17185	
134.	DBB-226-H3001	1/2	17192 [*]	
135.	D88-226-H3003	1/2	14471	
136.	DBB-226-H3005	1/4	23608	
* 137.	DBB-222-H55A	1/2	14408	
* 138.	DBB-222-H55B	1/2	14406	
139.	DBD-214-H9004	1/2	14432	
140.				
	DBD-214-H9005	1/2	14433	
141	DBD-214-H9006	1/2	12972	
142.	GBB-234-H3	1/4	24382	
143.	HBB-208-H5004	1/2	14405	
<u></u> ∴ 144.	HBB-208-H54	1/2	14440	
£145.	HBB-213-H4	1/2	14453	
*146.	HBB-225-H2	1/2	14438	
* 147.	HBB-226-H2	1/2	14443	
148.	HBB-208-H5008	1/2	14407	•
149.			-	
149.	HBB-251-H5005	1/4	14423	

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y	HANGER NO.	SIZE	SERIAL NO.	NOTE
150.	HBC-220-H9006	1/4	24363	13
151.	HBC-239-H5012	1/4	24395	
* 152.	HBD-2039-H11	1/2	14411	
* 153.	HBD-2039-H12	1/2	14410	
* 154.	HBD-2040-H8	1/2	14414	
155.	HBD-2049-H9012	1/2	-14431	
* 156.	HBD-288-H4A	1/2	14416	
* 157.	HBD-288-H4B	1/2	14422	
* 158.	HBD-289-H3	1/4	4190	
* 159.	HBD-289-H6	1/4	6258	
* 160.	HBD-289-H7	1/4	28749	
* 161.	HBD-289-H2	1/2	13475	
162.	HCB-227-H5021	1/2	14461	
163.	HCC-233-H5027	1/2	. 14470 ´	
164.	HRC-226-H5013	1/4	24393	
165.	JBD-288-H2600	1/2	14451	
* 166.	EBB-202-H3	1/4	9740	
167. * 168. * 169.	DCA-206-H4 DBB-215-H51 GBB-202-H52	1/2 1/2 1/2	3867 13432 14439	
170.	DCA-207-H5006	1/2	5593	



NOTE 1: Snubbers included in Initial Sample.

NOTE 2: Snubber failed and replaced by S.N. 17230.

NOTE 3: Snubber was a Special Case which failed and was replaced by S.M. 29005.

NOTE 4: These snubbers were Special Case which passed.

NOTE 5: Snubber failed and replaced by S.N. 28928.

NOTE 6: Snubber failed and replaced by S.N. 28770.

NOTE 7: Snubber failed and replaced by S.N. 28913.

NOTE 8: Snubber failed and replaced by S.N. 17245.

NOTE 9: Snubber failed and replaced by S.N. 17225.

NOTE 10: Snubber failed and replaced by S.N. 29006.

NOTE 11: Snubber was a Special Case which failed and was replaced by S.N. 28772.

NOTE 12: Snubber failed and replaced by S.N. 28796.

NOTE 13: Snubber failed and replaced by S.N. 28775.



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Page 5 of 8.

The following snubbers were tested in the intermediate size group (1, 3, and 10):

HANGER NO.	SIZE	SERIAL NO.	NOTE
1) DBB-214-H10A	1	20417	1
2) DBB-214-H10B	1 ,	20416	1 1
3) DBB-209-H15	1 3 3 3	20789	,1
4) DBD-205-H25	3	19535	
5) DBB-221-H27	ა ე	19509 19776	
6) DBB-209-H16			
7) GBB-201-H33A	10	13678	
8) DBB-220-H15	10	14425	2
9) GBB-201-H33B	10	13662	3 1
10) EBD-213-H2B	3	25294	•
11) EBD-213-H2A	. 3	00115	3
12) DBD-201-H71	10	02608	3
13) DBB-220-H17	10	00405	•
14) DBB-207-H51	10	04603	1
15)SP DBA-212-H2631	1	20854	1 1
16) HBD-288-H8	1 1 3 3 3	20802	1
17 SP DBA-212-H2638	1	20857	1
18) DBB-214-H3	ა ე	19594	
19) DBA-208-H17	3	19494	
20) DBA-208-H3		19518	
21) DCA-211-H23	10	14172	
22) DCA-211-H29	10	14175 14764	
23) DCA-202-H26	10	04602	
24) DCA-241-H4	10 _	. 20402	1
25) DBA-201-H12	1	20402 19456	1
26) DCA-202-H8	3	19467	
27) DCA-202-H24	3 3 3 1	19543	
28) DCA-211-H18	ა ე	21555	1
29)SPDCA-202-H20	1	21549	1 2
30)SPDCA-202-H2602		03170	۷
31) GBC-201-H137A	10	02605	
32) GBC-201-H137B	10	· 20822	1
33)SP GBB-222-H5008	1	17227	i
34) GBB-208-H3	1 1 3 1	06839	•
35) DBB-215-H7	ა 1	23395	1
36) DBA-205-H6A	<u>i</u> 1	23390	1
37) DBA-205-H6B	1	23370	1

NOTE 1: Snubbers which were tested, had Capstan Springs replaced, and retested.

NOTE 2: Snubber passed testing but was replaced with S.N. 18348 due to loose telescoping tube.

NOTE 3: Snubbers passed testing, were disassembled, cleaned, retested, and reinstalled.



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Page 4 of 8

The following snubbers were tested in the large size group (35 and 100):

	HANGER NO.	SIZE	SERIAL NO.	NOTE
1)	DBB-215-H11	35	9477	1
2)	HBB-207-H56	35 · · · · · · · · · · · · · · · · · · ·	8650	1 . 1
3)	DBD-201-H54A	35 35	10712	1 "
4)	DBD-201-H54B	35 35	10712	1
5)	HBB-201-H3	35 35	10711 10706 [.]	1
6)	DBB-201-H4A	35 ·	2759	1,2
7)	DBB-201-H4B	35 35	2675	1,2
8)	DBB-201-H24	100	1631	1
9)	DBB-207-H6	35	3474	1
10)	DCA-207-H5	35 ·	10543	1
11)	DCA-207-H7	35	7402	1
12)	DLA-204-H5	35	3216	1
13)	DLA-202-H9A	35 35	7530	1
14)	DLA-202-H9B	35 35	1179	1
15)	DLA-201-H1	100	1575	i
16)	DCA-210-H9	35	2752	i
17)	DCA-210-H3	35 35	· 807	
18)	DBA-202-H13	35 * 35	3238	1,3
19)	GBC-201-H134	35	3238	1
20)	GBC-201-H241	35	3768	1 1
21)	GBC-201-H241	35 35	2654	. 1
22)	RWS-200-H46	100	545	
23)	GBB-206-H19	100	545 528	1,4
24)	GBB-209-H56	35.	, 9528	1 1
25)	RWS-200-H25A	35	3772	1
26)	RWS-200-H25B	35 35	3772 3771	1
27)	DCA-210-H33	· 35	3672	1
28)	GBB-204-H3	35 35	1340	1
29)	HBB-210-H52	· 35	9514	i
30)	DBA-202-H8	35	3657	i
31)	RWS-200-H15	35	7531	i
32)	GBB-205-H95	35	9467	1,
33)	GBB-204-H4	35	8625	
34)	GBC-201-H173A	35	3648	1
35)	-GBC-201-H173B	35	3653	i
36)	MST-222-H48	100	1565	i
37)	RWS-200-H11	35	7382	1,5
38)	GBB-209-H58A	35	9529	6
39)	GBB-209-H58B	35	9530	
40)	GBB'-207-H63	35	10666	6 6
41)	DCA-209-H7	35	801	6
42)	DCA-209-H6	35	811	6
43)	GBB-204-H95	35	6958	6.
44)	GBB-205-H89A	35	10714	6
45)	GBB-205-H89B	35	9487	6
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Page 7 ef 8

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	HANGER NO.	SIZE	SERIAL NO.	NOTE
46)	GBB-204-H93	35	6966	6
47)	GBB-204-H6 ,	_ 35	6968	6
48)	GBB-206-H61	35	9445	6
49)	HBB-211-H12	35	9453	6 .
50)	HBB-210-H43	35 °	9479	6 6
51)	GBB-204-H96	35	9525	6
52)	HBB-211-H30A	35	9474	6
53)	HBB-211-H30B	35	9472	6
54)	HBB-210-H53A	35	10538	6
55)	HBB-210-H53B	35	10544	6
56)	GBB-204-H103	35 25	8642	/
57)	GBB-205-H96	. 35	8621	/
58)	HBB-210-H21	100	1573	/
59)	HBB-210-H51	35	9480	7
60) 61)	HBB-210-H5A	35 35	1275	7
62)	HBB-210-H5B HBB-210-H3	35 35	2620 10707	7
63)	HBB-210-H2	35 35	9484	7
64)	HBB-211-H4	35 35	1276	7
65)	HBB-211-H5	35 35	10708	7
66)	GBB-205-H92	35	9446	7
67)	GBB-205-H93A	35	9457	7
68)	GBB-205-H93B	35	9456	7
69)	GBB-205-H94	35	10890 -	6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
70)	GBB-206-H1	35	3681	7
71)	GBB-215-H51	35	9443	- ' 7
72)	GBB-209-H60A	- 35	9526	7
73)	GBB-209-H60B	35	9527	7
74)	GBB-204-H101	35	9447	8
75)	GBB-209-H57	35	9522	8
76)	GBB-204-H16	35	10564	8
77)	HBB-210-H49	35	9482	8
78)	GBB-206-H51	35	9444	8
79)	DBB-207-H52A	35	9454	8
80)	DBB-207-H52B	35	9455	8 8 8 8 8
81)	GBB-204-H10	35	9532	8
82)	HBB-210-H45	35	10563	8
83)	RWS-200-H5	35	3490	8
84) 85)	RWS-200-H6	35 35	3693 7536	8
86)	RWS-200-H21 RWS-200-H22	35 35	7526 7383	0
87)	RWS-200-H29	35 35	7363 3708	8
88)	RWS-200-H33	35 .	7386	8,10
89)	RWS-200-H34	35	7387	8
90)	RWS-200-H30	35	3719	8
91)	RWS-200-H19	35	6024	8
92)	RWS-200-H20	35	7533	8
93)	JRD-228-H53	35	10723	9
94)	RWS-200-H28A	35	3741	8 8 9 9
95)	RWS-200-H28B	35	3742	9

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Page 8 of 8

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-	HANGER NO.	SIZE	SERIAL NO.	NOTE
96)	RWS-200-H14	35 35	3778 3664	9
97) 98)	RWS-200-H4 RWS-200-H3	35	3659	9
99)	RWS-200-H13	35 35	3273 2800	9.
100) 101)	DCA-208-H4 DCA-208-H6	35	3253	9
102)	DCA-208-H7	35 100	7400 1560	. 9
103) 104)	DCA-208-H8 DCA-208-H9	100	570	999999999999
105)	DCA-208-H10	35 35	3262 3181	9
106) 107)	DCA-208-H11 DCA-208-H12	35 35	1369	9.
108)	DCA-211-H3	35 35	9493 7395	9
109) 110)	DCA-211-H34 DCA-211-H35	35 35	1519	
111)	DCA-210-H11	35	11809	11
*		÷		12

NOTE 1: Snubbers included in Initial Sample.

NOTE 2: Snubber failed (#1) and replaced by S.N. 12625.

NOTE 3: Snubber passed testing but was replaced by S.N. 12626 due to marginal behavior.

NOTE 4: Snubber failed (#2) replacement by S.N. 1637 after spares S.N. 1625 and S.N. 575 failed.

NOTE 5: Snubber failed (#3) and replaced by S.N. 12624.

NOTE 6: Additional testing caused by first failure.

NOTE 7: Additional testing caused by second failure.

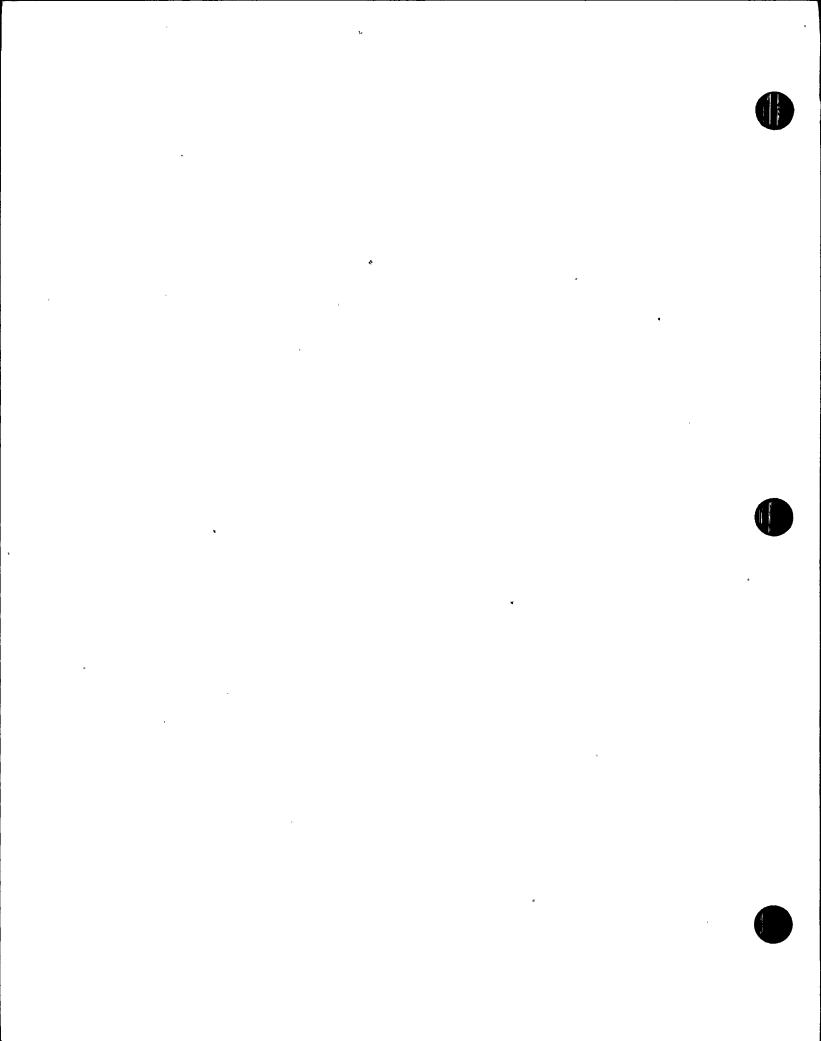
NOTE 8: Additional testing caused by third failure.

NOTE 9: Additional testing caused by fourth failure.

NOTE 10: Snubber failed (#4) and replaced by S.N. 12629.

NOTE 11: Snubber tested (passed) to resolve NCR85-0130.

NOTE 12: DBA-205-H16 compensating strut, PSB-.03, S/N 00136 tested and passed.



APPENDIX D.1

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	As Requ	ired by the Prov	isions of the	PAIRS OR REPLA ASME Code Section	on XI	1 of all	<u>B</u>
1. Owner PENNS)	YLVANIA ROM	R AND Light	r Co.	0410	76		
2 North 9th	ST. AHENI	OWN PA.	18101	Sheet(ot	- 	
2. Plant SUSQUE	THANNA STE	AM Electric	STATION	Unit		117	
P.O. Rox 46	7 Berwick	PA. 186	03	Pepair Orga	6694 enizetion F	46. .0. No., Job No.,	etc.
3. Work Performed by	OWNER	Name		Type Code Symbol Authorization No.		NA ·	
	Address			Expiration Date		NA	
4. Identification of Sys	stem RHR	Service W	ane.		<u>.</u>	2-16A	-111
5. (a) Applicable Cont (b) Applicable Editi 6. Identification of Co	ion of Section XI Ut	ilized for Repairs	or Replacement	rs 19 80 W9/	Addenda, <u></u>	NA.	_Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Flundse	Bechiel-	NJA HT#		HRC - RIZ -1-5	1983	Replaced	Y
Pipe Flange	Rechiel GUYOV Alloys	HT # 5183	N/si	IFRC - 217 -1-5	1423	REPIREMENT	<i>y'</i>
7. Description of Work	Remove Fl	mee By	mechanical	muans, R	eweld	120 15-	
3. Tests Conducted:	Hydrastatic 🔀 Pr Other 🗍 Pressure	Permatic No	minal Operatio Test Temp	g Pressure A 2; 1.	! !4-%6		
NOTE: Supplement	tal sheets in form o	f lists, sketches, o	r drawings may	be used, provided (1 (3) each sheet is nu) size is 8%		

recorded at the top of this form.

(12/82)

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

: Page 2 of 288

FORM NIS-2 (Back)

Remarks _ <i>p-\/A</i> Applicabl	le Manufacturer's Oeta Reports to be attached
•	
	IFICATE OF COMPLIANCE
We certify that the statements made in the ASME Code, Section XI.	e report are correct and this <u>PeritonacolT</u> conforms to the rules of the repair or replacement
isme coor, section A1.	
ype Code Symbol Stamp_NONE	
, p. 2011 2,	
Pertificate of Authorization No. N/A	Expiration Date N/A
(Harry V. V.	. ()
igned Vanue M Caun	November 14 19 86
Owner or Owner's Designee, Title Supt	of Plant
- 1	ts. σ Φ1 , ψ
	CATE OF INSERVICE INSPECTION
, the undersigned, holding a valid commission issued	by the National Board of Boiler and Pressure Vessel Inspectors and the St
	YED BY ARKWRIGHT BOSTON MEGRS. MUTUAL INS. CO.
WALTHAM, MA.	have inspected the components describ
	6.1986 to SEP. 26, 1986, and state the
	has performed examinations and taken corrective measures described in t
wher's Report in accordance with the requirements	
	nor his employer makes any warranty, expressed or implied, concerning
taminations and corrective measures described in	this Owner's Report, Furthermore, neither the Inspector nor his employees
spection.	or property damage or a loss of any kind arising from or connected with t FACTORY MUTUAL SYSTEM
Villiam R. PorquoIII	NB7990 PA2204 NIBS 15
	National Board, State, Province, and Endorsements
Inspector's Signature	Mational Board, State, Floringe, and Engottements
Inspector/s Signature	

(12/82)

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•	FORM NIS-2 C	WNER'S REPO	isions of the	PAIRS OR REPLA ASME Code Sectio	n XI	age 3 c	of 26
P		10 /w/- Ca		Oate	36		,
1. Owner <u>Pearusylvi</u>	Name	30 21gh - CO.		0000			
2 Mech 9th	ST. MIGNITO	wa fa.	XICI_	Sheet	1		
2. Plant <u>Susquela</u>	ngus 57=pm	Muric S	TP-TT:N	Unit		···	
20. Box 46	· -			در نرز Repair Orga	V6444	17	
	4						etc.
. Work Performed by	DWNSC	Name		Type Code Symbol			· · · · · · ·
				Authorization No			
· ————	MenbbA			expiration Data			
. Identification of Sys	nam RHR	Seplice	WATER			2-16A	- 777
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				•			
. (a) Applicable Cons	truction Code AS	<u>ме III</u> 19	7/ Edition,	<u> </u>	ddenda,	NA	_Code Ca
(b) Applicable Editi							
							•
, identification of Co	mponents Repaired	or Replaced and R	leplacement Co	mponents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamper (Yes or No)
Pipe Flanse	Bentrol	N/A HT = 1	. 13/1	HRC - 212 -	1983	Replaces	Y
PIPE FLANGE	GUYON Alloys	HT'# ' 5183	N/A	HRC - TILL		Rep! Memeni	Y
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n]				1.	
	Hydrostatic 🔀 🏻 P Other 🔲 Pressure	neumatic No	minal Operation Test Temp	g Pressure A F A P P P P P P P P P P P P P P P P P		AND MT.	informs.
· •	ugh 6 on this repo	•	• .	(3) each sheet is nur		_	

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

(12/82)

Page 4 of 288

FORM NIS-2 (Back)

	LOUIN 1419-5 IDECV
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9.	Applicable Manufacturer's Data Reports to be attached
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V.	e .
120	•
*	·A
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١.,	CERTIFICATE OF COMPLIANCE
,,	We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
	ASME Code, Section XI. repair or replacement
	Type Code Symbol Stamp NO N C
jţ	Type Code Symbol Stamp NONE
*	Certificate of Authorization No. WA Expiration Date WA
	Certificate of Authorization No. 11/4 Expiration Date 11/4
*	Signed Mrshos M Company November 14 1986
	Owner or Owner's Designee, Title Supt. of Plant
_	3.7
6.	CERTIFICATE OF INSERVICE INSPECTION
4.	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of PENNA and employed by AREWRIGHT BOSTON MIFERS. MUTUAL TNS. Co of
e#f	WACTHAM, MA. have inspected the components described
	in this Owner's Report during the period SEP. 6, 1986 to SEP. 19, 1986, 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.
4.4	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 lost of any kind arising from or connected with this inspection.
(hg.	inspection.
2	William P. Poper Tr : carrier NB7980 PA2204 NIBS IS
	Inspectory Signature Commission 1157980 PARCO4 NIBS IS National Board, State, Province, and Endorsements
×	
Ţ	Date Nov. 19 1986 "
	· · · · · · · · · · · · · · · · · · ·

(12/82)

As Required by the Provisions of the ASME Code Section XI 8101 77.67 Repair Organization P.O. No., Job No., etc. 3. Work Performed by Type Code Symbol Stamp_ Authorization No. Expiration Date_ Address RHR 4. Identification of System. N242-1 5. (a) Applicable Construction Code ASme TII 19 74 Edition. Addenda. Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 🛠 😿 / 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired. Stamped National Name of Name of Manufacturer Board Other Year Replaced, (Yes Component Manufacturer or Replacement or No) Serial No. No. Identification Built 100 N60598-00. NA 0004 N6059F-00 0005 Replace 7. Description of Work_ VALVE 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure & EXEMPT Other Pressure psi Test Temp.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENT

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- 9		
r	OTE:	: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in, x 11 in., (2) informa
t	ion 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
		ed at the top of this form,

(12/82)

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

Page 6 of 208.

u,	FORM NIS-2 (Back)
` 9.	Remarks Form NV-1 DATA ROPORT ATTACKED
9	Applicable Manufacturer's Data Reports to be attached
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r	
Γ	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code, Section XI.
•	Type Code Symbol StampNONE
	Certificate of Authorization No. N/A Expiration Date N/A
	Signed Date November 7 19 86
_	Owner or Owner's Designee, Title Supt. Splant
	CERTIFICATE OF INSERVICE INSPECTION
*	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Prassure Vessel Inspectors and the State or Province of PENNA and employed by ARKWRIGHT BOSTON MESES, MUTUAL INS. Co. of
•	WALTHAM MA. have inspected the components described
	in this Owner's Report during the period OCT: 6, 1986 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. FACTORY MUTUAL SYSTEM
,	William R. Royutt Commissions NB7980 PA2204 NIBS IS Inspector/Signature Commissions National Board, State, Province, and Endorsements
!	Inspector/Signature National Board, State, Province, and Endorsements
z Ke	Date_DEC. 3 19.86

(12/82)

As Required by the Provisions of The National Board Inspection Code 4273-LH Two North Ninth Street Pennsylvania Power and Light 1. Work done by (Name and acress of repair of attention organization) $18\,10\,1$ (Senal No) Allentown, Pa. 1 Pennsylvania Power Pa. 18101 Two North Ninth St., Allentown, mner (Name and address of owner) 3 Location of Installation Susquehanna Steam Electric Station, P.O. Box 467, Berwick, Pa. (Name and accress) Name of Manufacturer Kemp Mfg. Co. 4. Unit Identification Instrument Air Dryer (Boiler, Pressure Vessen 1976 4273-LH 4273 480721 2F-116A 5. Identifying Nos. (Year Built) (Migr Serial No.) (Naponal Board No.) (required circumferential weld on vessel) Replaced heater well 6. Description of Work: (Use back, separate or est, of seeigh if necessary) **U33050** PP&L Work Authorization Hydrostatic Pressure Test, if Applied. 7. Remarks: Attached are Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors for the following items of this report: 20 thame or partition number infor siname, and identifying stamp) CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that all __icesign) Section VIII Repair conform to material, construction, and workmanship on this trepair alteration) The National Board Inspection Code. Date: 1-21-85 Signed Pennsylvania Power & Light Co. Authorized Representative) iFecar Areration Organizations N/A N/A Symbol expires to use the. Our Certificate of Authorization No. CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors or the State or and employed by ARKWRIGHT Province of PENNSYLVANIA of WALTH4M MA. nave inspected BOSTON MFGRS MUTUAL INS. 19 83 and state that to the best of my knowledge and belief. the work described in this Data Report on DEC. 13 this work has been done in accordance with The National Board Inspection Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the work described in this Report, Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection, except such liability as may be provided in a policy of insurance which the Inspector's insurance company may issue upon said object and then only in accordance with the terms of said PACTORY MUTUAL policy. Commissions PA 2204 Date_JAN

FORM R-1, REPORT OF WELDED D REPAIR OR D ALTERATION

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FORM R-1. REPORT OF WELDED & REPAIR OR TALTERATION COLOR OF THE PROPERTY OF TH

Work done by PENN SYLVANIA POWER AND LIGHT CO. TWO NORTH NINTH ST. AllENTOWN (Name and address of repear or sufficient organization)	PA 18
Owner PENNSYLVANIA POWER AND Light Co. TWO NERTH NINTH SE, ALLENTOWN PA. 1810	<u> </u>
Location of Installation SUSQUE HANNA STEAM EIECTRIC STATION, P.C. Box 467, BERWICK,	PA. 13
Unit Identification AIR DRYFP VESSEL Name of Manufacturer KEMP MANUFACTURIA (Boiler, Pressure Vessel)	io Co
(Boiler, Pressure Vessel)	, ,
Identifying Nos. 4374-LH 4274 480722 2F/16B 1978	
Description of Work: REPLACE BUNNED OUT heater PLANTANT AND dismayed her	ter.
element Tube. IN AIR. ORYER VESSUL. Requirer remark ANO 1	ruicko
OF daver vessel hear WA # V53408	
HYDROSTATIC Pressure Test, if Applied 12	2 0
Remarks: Attached are Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors for the	
items of this report:	
s	
	,
(Name of part item number imfgr s name, and identifying stamp)	
CERTIFICATE OF COMPLIANCE	
CERTIFICATE OF COMPLIANCE No certify that the statements made in this report are correct and that all	
CERTIFICATE OF COMPLIANCE No certify that the statements made in this report are correct and that all lidesign ASME VIII material, construction, and workmanship on this Legair	orm to
CERTIFICATE OF COMPLIANCE No certify that the statements made in this report are correct and that all Ides:(no.) DSME VIII	orm to
CERTIFICATE OF COMPLIANCE No certify that the statements made in this report are correct and that all lidesign ASME VIII material, construction, and workmanship on this Legair	orm to
CERTIFICATE OF COMPLIANCE No certify that the statements made in this report are correct and that all idesign) Material, construction, and workmanship on this Repair The National Board Inspection Code. Date 6-16-86 Signed Penna. Power & Light Co. (Repair Alteration Organization) (Repair Alteration Organization)	orm to
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This form may be obtained from the National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Col's., O. 43229.

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FORM R-1, REPORT OF WELDED X REPAIR OR _ ALTERATION As Required by the Provisions of The National Board Inspection Code Figs 9 of Jas

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	Workdone by Pennsylvania Power & Light Company, Two North 9th St., Allentown, PA 18101	_
"	(Name and address of rebail of attendion organization)	_
	Owner Pennsylvania Power & Light Company, Two North 9th St., Allentown, PA 18101 (Name and address of owner)	
3.	Location of Installation Susquehanna Steam Electric Station, P.O. Box 467, Berwick, PA 18603 [Name and address.]	
4,	Unit Identification ASME III Pipe to Valve Name of Manufacturer Lonergan	
5.	Identifying Nos. 510138-2-18-1 N/A N/A N/A 1982 (Migr Senal No.) (Magropal Board No.) (Jurisdiction) (Other) (Year Burit)	
6	Description of Work: Re-fit and welded inlet and outlet flange for proper alignment of	_
-	valve PSV-22643 Work performed under PP&L Work Authorization #5-24926.)	<u> </u>
<u> </u>	(5.9522.5A Unit 2 (Tass 2)	_
₹	Pressure Test. if Applied 150	 os
~ 7.	Remarks: Attached are Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors for the following items of this report:	ng
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- }	CERTIFICATE OF COMPLIANCE	
	We certify that the statements made in this report are correct and that all resign conform to	
	The National Board Inspection Code.	
1	Date 9-28-83 Signed Penn Power & Light Co	
	(Regain Alteration Organization) (Authorized Representative)	
-	To distinct the second	_
	CERTIFICATE OF INSPECTION	
	I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors or the State or Province of	
- 1	the work described in this Data Report on <u>AUGUST 5</u> 1982 and state that to the best of my knowledge and belief.	i
l	this work has been done in accordance with The National Board Inspection Code	
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the work	1
	described in this Report, Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or	
	property damage or a loss of any kind arising from or connected with this inspection, except such liability as may be provided in a policy of insurance which the Inspector's insurance company may issue upon said object and then only in accordance with the terms of said	
.	Date OCT. 5, 1983 William R. Pages III Commissions PA 2204	
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FORM R-1, REPORT OF WELDED X REPAIR OR C ALTERATION As Required by the Provisions of The National Board Inspection Code

	As Required by the Provisions of The National Board Inspection Code Pick 10 of
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N'.	Ork done by Pennsylvania Power & Light Company, Two North 9th St., Allentown, PA 18101
y	fire a superpose a
2.	wner Pennsylvania Power & Light Company, Two North 9th St., Allentown, PA 18101
2	ocation of Installation Susquehanna Steam Electric Station, P.O. Box 467, Berwick, PA 18603
J .	(Name and address)
4.	nit Identification ASME III Pipe to Valve Name of Manufacturer Lonergan
	(Boiler Pressure Vessel)
5.	entifying Nos. 510138-2-18-2 N/A N/A N/A 1982 (Marional Board No.) (Marional Board No.) (Jurisdiction) (Other) (Year Built)
	escription of Work: Re-fit and welded inlet and outlet flange for proper alignment
6.	escription of Work: 100 200 data Welded Infect data Odelet Indige for proper arrigination
	of valve PSV-22648 Work performed under PP&L Work Authorization #S-24926.)
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	(Sys.225A Unit 2) (Class \$2)
	Pressure Test, if Applied 150
7.	emarks: Attached are Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors for the follo
	items of this report: NONE
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	Name of part, sem number, mitting namo and the standard
Γ	CERTIFICATE OF COMPLIANCE
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	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all
\	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all (729.90) aterial, construction, and workmanship on this repair (repair alteration) aterial Board Inspection Code. aterial 9-28-83 Signed Penn Power & Light Co
	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all sterial, construction, and workmanship on this repair conform to the National Board Inspection Code. The Penn Power & Light Co by Alteration of the Complete of the National Representatives of the National Representa
1	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all (729.90) aterial, construction, and workmanship on this repair (repair alteration) aterial Board Inspection Code. aterial 9-28-83 Signed Penn Power & Light Co
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1	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all (225/97) Interial, construction, and workmanship on this repair (conform to be National Board Inspection Code. Interial Signed Penn Power & Light Co by (Authorized Representative) Interial Alteration Organization of the Symbol expires 19 CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors or the State of Symbol expires (19)
1	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all
1	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all
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	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all
	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all sterial, construction, and workmanship on this repair conform to e National Board Inspection Code. Interest Alterial Of Penn Power & Light Co by Alterial Of Penn Power
	CERTIFICATE OF COMPLIANCE a certify that the statements made in this report are correct and that all

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2. Plant Susqueh. Box 467; 3. Work Performed by. 4. Identification of Systems.	Address Address BYHWLL T Address DWN 87 Address Stem Primary Struction Code ASM On of Section XI Ut	Electric PA 1860 Name Lontainmin MEJJI 19 illized for Repairs	19101 Station 3 Tuctro	W.A. U Repair Org. Type Code Symbol Authorization No. Expiration Date A WINTER 80 13 19 80/ Winter	- 3375 anization P I Stamp M M/A //A System	1/A 1 25- 2145	; 3
			National		,	Repaired, Replaced,	ASME Code Stampe (Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	or Replacement	
			6				
Component Coat. Inst. Gas	Manufacturer Target	Serial No.	No.	Identification	Built	or Replacement	or No
Component Coat. Inst. Gas	Manufacturer Target	Serial No.	No.	Identification	Built	or Replacement	or No

Page 12 of 288

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FORM NIS-2 (Back)

	Remarks N/A
	Applicable Manufacturer's Data Reports to be attached
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	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this repair or replacement
	ASME Code, Section XI.
	Type Code Symbol Stamp_N/A
	1
	Certificate of Authorization No. N/A Expiration Date N/A
	Thomas M. C
	Signed Owner or Owner's Designee Tide Plant Superintendent of Plant
_	Superintendent of Plant
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL THS. Co.
	WALTHAM, MASS. have inspected the components describe
	in this Owner's Report during the period Aug. 1, 1983 to SEPT. 6, 1983 and state this
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
	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 the
	inspection. FACTORY MUTUAL SYSTEM
	1:11:
•	William R. Poges III Commissions NB 7980 PA 2204 NIBS IS Injector's Signature National Board, State, Province, and Endorsements
	Date JAN. 3 19.86
	USIG <u>VETTI V</u>

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Page 14 of 288

FORM NIS-2 (Back)

9.	Remarks N/A
٠.	Applicable Manufacturer's Data Reports to be attached
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	CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>REPAIR</u> conforms to the rules of the
	We certify that the statements made in the report are correct and this <u>KEPHIC</u> conforms to the rules of the ASME Code, Section XI.
	•
	Type Code Symbol Stamp \sqrt{A}
	Certificate of Authorization No. N/A Expiration Date N/A
	Certificate of Admortzation No.
	Signed Owner or Owner's Congress. Title Plant Superintendent January 22, 19 86
	Owner or Owner's Cosignes, Title Plant Superintendent
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL INS. Co. of
	WALTHAM, MASS. have inspected the components described in this Owner's Report during the period AUG. 3, 1983 to SEP. 27, 1983, 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 SYSTEM
	William R Rogelo III Commissions N87980 PAZZO4 NIBSIS Inspector's Signature National Board, State, Province, and Endorsements
	Date FEB. 12 1986

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,,	ork Performed by.				Type Code Symbol		
	· · · · · · · · · · · · · · · · · · ·		Name		Authorization No.,	<u> </u>	
_		Address			Expiration Date <u>A</u>	•	
					trument Gas		
Ś. (a) Applicable Cons	truction Code AS	ME III 19	74 Edition,	Winter 174,	Addenda,_	N/H
(1	b) Applicable Editi	on of Section XI U	tilized for Repairs	or Replacement	s 19 <u>80/ Wi</u> nter	181	
6. 10	dentification of Col	mponents Repaired	or Replaced and R	epiacement Coi	nponents		
	•	'		8			Repaired,
l	Name of	Name of "	Manufacturer	National Board	Other	Year	Replaced,
l		Manufacturer	-Serial No:	No.	Identification	Built	or Replacemen
	Component		1 24.4.1/4 1				ł
	Component		Part No.			-	
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	component	Target Lock	202024	א/A וו	PLV22643	 	Replacement REPLACED
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7. 0	et. Just. Gas Relians Assau All Description of Work	Repair an	202024 N/A D Replace	jl.	Internals Pressure ⊠	 	· ·

Page 16 of 288

\$	FORM NIS-2 (Back)
₩ ⊊.	9. Remarks Manufacturers Data Report (AHACHED).
Ą.	Applicable Manufacturer's Data Reports to be attached
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! ל	CERTIFICATE OF COMPLIANCE
1	We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI.
- 50°	
υ· •••	Type Code Symbol Stamp N/A
	Certificate of Authorization No. NIA Expiration Date NIA
· .	Signed Thomas M (Simmins J. Date January 7, 19_86
	Owner or Owner's Designee, Tite Superintendent of Plant
**	CERTIFICATE OF INSERVICE INSPECTION
7	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA and employed by ARKWRIGHT BOSTON MEGRS, MUTUAL INS. Co. of
,	WALTHAM, MASS. have inspected the components described
,) v.	in this Owner's Report during the period <u>JAN, 4, 1985</u> to <u>JAN, 5, 1985</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
) _{as} (Owner's Report in accordance with the requirements of the ASME Code, Section XI.
45	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
ę	shall be 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
** ***	William R. Rogero III Commissions NB7980 PA2204 NIBSIS Inspector's Signature National Board, State, Province, and Endorsements
. **	Date JAN. 14 1986

Address Authorization P.O. No., Job No., etc. Work Performed by OWNER Type Code Symbol Stamp NA		ANIA POWER	•		Date	7-86		
Name O. Box 44.7 Berwick PA. 18603 Repair Organization P.O. No., Job No., etc. Work Performed by OWNER Name Name Authorization No. NA Expiration Date NA Authorization No. NA Expiration Date NA Authorization Of System Work Performed by OWNER Name Name NA Authorization No. NA Expiration Date NA Authorization Of System Work Performed by OWNER Name NA Authorization No. NA Expiration Date NA Authorization Date NA Authorization Date NA Authorization Date NA Authorization Of System Work Performed NA Authorization Date NA Authorization Of Code Case (b) Applicable Edition of Section XI Utilized for Replaced and Replacements 1980 will Identification of Components Repaired or Replaced and Replacement Components Name of Name of Name of Manufacturer Serial No. No. Identification Built or Replacement Or No. No. Identification Built or Replacement Or No. No. Identification Sull Or Replacement Or No. Identification Sull Order Or No. Identification Sull Order O	Abord 9th &	T. Allewan	o Pa.	18/01	Sheet	ot		
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Name Na		·			مررا	<u>V6</u>	3225	
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Identification of System ToST. Cass 3-25A - TTT (a) Applicable Construction Code Asme TT 19 71 Edition, wi72 Addends, win Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1950 will Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Serial No. No. Identification Built or Replaced, or No. Clube Value Big Will Ner 15316 No. 226-064 1976 Refaired Y	Work Performed by	OWNER	Name		• • • • • • • • • • • • • • • • • • • •			
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Name of Component Name of Manufacturer Serial No. National Board No. No. Other Identification Pear Replaced, or Replacement or No. Globe Value No. No. No. No. No. No. No. No	Identification of Co	mponents Repaired (or Replaced and R	eplacement Co	mponents	1		
Component Manufacturer Serial No. No. Identification Built or Replacement or No. "Glube Value Brig WARNER 15316 NA 225-064 1971 Refaired Y								Code Stamped
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Page 18 of 283

FORM NIS-2 (Back)

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₹9.	Remarks N/A Applicable Manufacturer's Data Reports to be attached
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1	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>Report</u> conforms to the rules of the
	ASME Code, Section XI.
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,	Type Code Symbol Stamp N/A
	Type code Symbol Stamp
-	Certificate of Authorization No. 11 A Expiration Date N/A
اد	Signed November 7 19 86
L	Owner or Owner's Designee, Title Supt. of Flant "
_	
	CERTIFICATE OF INSERVICE INSPECTION
1	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of PENNA. and employed by ARKWRIGHT BOSTON MFGRS. MUTUAL INS. Co of
1	in this Owner's Report during the period TULY 25, 1986 to Oct. 2, 1986, and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
1	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, axpressed 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 SYSTEM
	•
	Uilliam R. Rogeratt Commissions NB7980 PA2204 NIES IS Inspector's Signature National Goard, State, Province, and Endorsements
	inspector 3 Signature (Vational Coard, State, Province, and Endorsements
	Uilliam E. Poquatti Commissions NB7980 PA2204 NIBS IS Inspector's Signature National Coard, State, Province, and Endorsements Date Nov. 26 1986
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Work Performed by	CHUNEC			Type Code Symbol			_
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(a) Applicable Con	struction Code <u>ASM</u>	<i>E 77</i>	11 Edition,	<u> </u>	Addenda,_	<i>\rdot\rdot\rdot\rdot\rdot\rdot\rdot\rdot</i>	_Code Cas
(b) Applicable Edit	tion of Section XI Uti	lized for Repairs o	or Replacement	13 70 WSI			
			•				•
Identification of Co	omponents Repaired o	or Replaced and R	eplacement Co	mponents			
	1	<u> </u>					
							ASME
	1			1		1	Code
	1	1		1		1	,
			National			Repaired,	Stamped
Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built		(Yes
_	1 1	_ : :::::	Board	1	1	Replaced,	(Yes
Component	Borg WARNER	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	(Yes or No)
_	Borg WARNER	Serial No.	Board	1	1	Replaced, or Replacement	(Yes
Component	Borg WARNER	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	(Yes or No)
Component	Borg WARNER	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	(Yes or No)
Component	Borg WARNER	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	(Yes or No)
Component	Borg WARNER	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	(Yes or No)
Component	Borg WARNER	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	(Yes or No)
Component	Borg WARNER	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	(Yes or No)

Page 20 of 288

FORM NIS-2 (Back)

Remarks N/A - Appli	Icable Manufacturer's Data Reports to be attached
•	
R II	
CI	ERTIFICATE OF COMPLIANCE
	the report are correct and this RPAIR conforms to the rules of the
ASME Code, Section XI.	repair or replacement
•	
NIA	
Type Code Symbol Stamp N 14	
Certificate of Authorization No. N.A.	Expiration Date HIA
Signed	Date November 7 , 19 86
Owner'or Owner's Designee, Title S	upt. of Evant
	11
	TIFICATE OF INSERVICE INSPECTION
l, the undersigned, holding a valid commission is:	isued by the National Board of Boiler and Pressure Vessel Inspectors and the St inployed by AFEWRIGHT BOSTON MF6R, MUTUALENS, Co.
WALTHARA MA	have inspected the components describ
n this Owner's Report during the period Jus	have inspected the components described to Aug. 29,1986, and state the components described the components descri
	wher has performed examinations and taken corrective measures described in t
Owner's Report in accordance with the requirem	ents of the ASME Code, Section XI, 1995
	tor nor his employer makes any warranty, axpressed or implied, concerning
	d in this Owner's Report, Furthermore, neither the Inspector nor his emplo
	njury or property damage or a loss of any kind arising from or connected with t
nspection.	FACTORY MUTUAL SYSTEM
William P. Pora esa TIT	Commissions NB7980 PA2204 MIES IE
Inspector's Signature	National Board, State, Province, and Endorsements
Inspector & digitation	

Plam SUSQUE	YLVANIA POWE NAME ST., AHENT ADDITIONS FHANNA STE NAME 7 BERWICK	OWN PA.	<u>18101.</u> <u>STATIO</u> N	Unit	wa		322-9 0. No., Jan No.,	
					•		• • • • • • • • • • • • • • • • • • • •	etc.
Work Performed by	OWNER	Name		Type Code S Authorization				
				Expiration C				
	Address			~~#				
Identification of Sy	stem PRIMACY	CONT. TA	157. GHS			•	3-25	A- TIE
	•						11/2	.
(a) Applicable Con	struction Code <u>AS</u> ion of Section XI Uti	<u>ا ۱۹ مرز این اور این این این این این این این این این این</u>	_//Edition,	<u> </u>	A	idends,	NA	Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Othe	nion	Yeer Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CTICHE VAINE	Bory WARNER	14437		J.76-	<u>υω</u>	14.70	Repaired	
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			-		- 1			
Description of Work	Hydrostatic Po		ominal Operating	Pressure 🔲		FAEM	Assembli ⁱ , oT	<u>Rewesder</u> impletives

Page 22 of 288

FORM NIS-2 (Back)

Remarks	N/n · ·
	Applicable Manufacturer's Data Reports to be attached
•••	CERTIFICATE OF COMPLIANCE
•	le certify that the statements made in the report are correct and this <u>KCHAIR</u> conforms to the rules of the section XI.
	n i n i n i n i n i n i n i n i n i n i
Type Code S	Symbol Stamp_N1/+
Certificate o	Authorization No NA Expiration Date NA
,	
SignedOv	wher or Owner's Designee, Title Control Date November 7 , 19 86
	wher or Owner's Designee, Title Supt. of Plant
٧,	CERTIFICATE OF INSERVICE INSPECTION
l, the unders	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
	of PENNA and employed by ARKWRIGHT BOSTON MEGR. MUTUAL INS Co.
WALTHA	M have inspected the components describe er's Report during the period T_{0L} , 25 , 1986 to $0c_{7}$, 6 , 1986 , and state the
	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
wner's Rep	port in accordance with the requirements of the ASME Code, Section XI.
	ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
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xamination:	s and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employe
xamination hall be liabl	s and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employe Ie in any manner for any personal injury or property damage of a loss of any kind arising from or connected with th
xamination hall be liabl nspection.	s and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employe le in any manner for any personal injury or property damage of a loss of any kind arising from or connected with th FACTORY MUTUAL SYSTEM
xamination hall be liabl nspection.	s and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employe le in any manner for any personal injury or property damage of a loss of any kind arising from or connected with th FACTORY MUTUAL SYSTEM
examinations thall be liable respection.	s and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe le in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th FACTORY MUTUAL SYSTEM
examinations in all be liable inspection.	s and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this FACTORY MUTUAL SYSTEM This person's Signature Commissions NB7980 PA2304 NIBS IS National Board, State, Province, and Endorsements
examinations thall be liable respection.	s and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employed in any manner for any personal injury or property damage of a loss of any kind arising from or connected with the FACTORY MUTUAL SYSTEM The Proposition of the Proposi

As Required by the Provisions of the ASME Code Section XI V 63250 Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp ___ 3. Work Performed by CWNCI NA Authorization No._ Expiration Date_ Address 4." Identification of System PRIMACY 226-066 5. (e) Applicable Construction Code ASME 71 19 71 Edition, W 72 Addenda._ (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 wg/ 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired, Stamped National Replaced. (Yes Manufacturer Board Year Name of Name of Other or Replacement or No) Serial No. Component Manufacturer No. Identification Built Bers CODE warner 1HIR NIL Si BorG 226-066 WARNER 7307 NIA ۳: iř 7. Description of Work Body To bowet weld Groven at laurch Value Torregulate Period body To bounce 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure & ExempT Other Pressure _____psi Test Temp._ *NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENT

(12/82)

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

Page 2406 283 -

	FORM NIS-2 (Back)
9. Rem	NCR 86-1369
4	Applicable Manufacturer's Data Reports to be attached
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10 In	
	CERTIFICATE OF COMPLIANCE
. ASM	We certify that the statements made in the report are correct and this <u>felikemen7</u> conforms to the rules of the report of replacement.
Tyne	Code Symbol Stamp
',,,,	· · · · · · · · · · · · · · · · · · ·
Certi	ficate of Authorization NoExpiration DateExpiration Date
Signe	Date 1212, 19 87
L	Owner or Owner's Designed Title
•	CERTIFICATE OF INSERVICE INSPECTION
l, the	e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of PENNA. and employed by ARKWRIGHT BOSTON MEGRS MUTUAL INS. Ca of
WA.	LTHAM MA. have inspected the components described
L .	is Owner's Report during the period July 25, 1986 to Oct. 1, 1986, and state that
l	e best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this er's Report in accordance with the requirements of the ASME Code, Section XI,
B ¹	y signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	tinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employer
	be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this ction. FACTORY MUTUAL SYSTEM
(1)	Commission NB7930 P. 2204 NIBS IS
. 22	Inspectory Signature Commissions (19730 F-1974 MIBS 18
	TAN 6 10 87
Date.	19.07
(12/82)	

. Owner PENNSY R North 9 th	ST. AlleNTO	FWN PA.	18101	Sheet o			
Plant SUSQUE				Unit			
P.O. Box 46	7 Berwie	K PA. 1	8603	Nepsir Organ	V6.35 nization P.	58 0. No., Job No.,	etc.
Work Performed by	OWNER	Nama		Type Code Symbol			
				Authorization No Expiration Date		NA NA	
	Address			•		سردة (١	
	stem <u>Prinary</u>	_		1		2-351	
(a) Applicable Cons	struction Code <u>AS</u>	19_ 19_	& Edition,	W 20 VAIVE	ddenda,	N/A	Code Ca
						,	ASME
Neme of Component	Name of Manufacturer GR JUSTONICK	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stampe (Yes or No)
"Gkhe Valve	TARGET Pic.K	75kk-9ic.	" N/A	54- 32643	1981	Replace	γ
Colobe Valve	TAIGET RUCK	7544-210-	NIA	5V-22643		ļ	1.4
" Pipe	Bechte L	NIA	N/A	SP-000-201-1]	V
				Sp-ccc -201-1			
111/6	PP4 L	N)A	NIA	ITems 62163	1986	Replacement	<u> </u>
Pipe	i	,		ighet.	'		i
1,0	1						
	Install	New 5.1.	encio Val	Ve MO Pip.	<u></u>		

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(12/82)

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

Page 26 of 288

FORM NIS-2 (Back)
9. Fremarks A DATA ROBOT ATTACHED
Applicable Manufacturer's Data Reports to be attached
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and the second s
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Kepincenent conforms to the rules of the
ASME Code, Section XI.
No com
Type Code Symbol Stamp NO NE
Certificate of Authorization No
Signed November 7 19 86
Signed Owner or Owner's Designee, Title Supt. of Plant
CERTIFICATE OF INSERVICE INSPECTION
al, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
For Province of PENNA. and employed by ARKWRIGHT BOSTON MFGRS, MUTUAL INS. (Qof WALTHAM MA. have inspected the components described
win this Owner's Report during the period Tucy 14, 1986 to QT. 3, 1986, 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, ≥ coressed 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 interestion FACTORY MUTUAL SYSTEM
50 AA
* William P. Propustit Commissions NB7980 PA2204 NIBS IS **Inspector Signature National Board, State, Province, and Endorsements
; Date Nov. 18 19.86

	As Requi	ired by the Prov	visians of the	ASME Code Sectio	n XI	Kage. 2'	7 of 5
Owner ARNUSY)	VANIA POWER	AND Light	Co.	Date	86	0	. U
2 Nord 9T		U		Sheet /	1		
				Unit			
	hanna STER	_					···
P.C. Box 4	167 Berwie	<u> </u>	<u>/¥60.3</u>	Nepair Orga	V 63	.O. No., Job No.,	etc.
Work Performed by	OWNER	Name	<u></u>	Type Code Symbol	Stamp	NA	
		,		Authorization No Expiration Date			
	Address	<i>c</i> _					
Identification of Sy	stem <u>PRIMACY</u>	Cirit.	TNST. G	<i>a</i> >		2-35A-3	
(a) Applicable Cons (b) Applicable Edit	ion of Section XI Uti	ilized for Repairs	or Replacement	19 <u>80 لتجارا</u>	ddenda,	N.A.	_Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ilor Disc.	AL Tech	· N/A	NA	SV-22648	1981	ReplaceD	y
lor Disc	TArget	318	N/A	5V- 22647	lagu	Replacement	Y
	•			3			
- [Fig.					
Description of Work	Ramove hodi	TO DONNE	or weld,	Reack Toice	CNALS,	Reinstall	-bowe
	Hydrostatic Pn Other Pressure_	eumatic No	minal Operating Test Temp	Pressure 🔲 🛮 🗷	EXEN	not-	
	ugh 6 on this report			be used, provided (1) (3) each sheet is num			
2/82)	This Form (E0003	0) may be obtains	ed from the Ord	er Dept., ASME, 345	E. 47th S	it., New York, N.	r. 10017

lage 28 of 288

* ,	FORM NIS-2 (Back)
\$2 .0	Remarks N-2 DATA ROPORT ATTACKED
99, Ļ	Applicable Manufacturer's Data Reports to be attached
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	CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>Replaced</u> conforms to the rules of the
l	ASME Code, Section XI. repair or replacement
	410.425
	Type Code Symbol Stamp_NON IS
	Certificate of Authorization No. N/A Expiration Date N/A
1	Signed November 7 , 19 86
L	Owner or Owner's Designee, Title Supt. of lant
Γ	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNAand employed by AREWRIEHT BOSTON MPERS. MOTULE INS. CO of
	WALTHAM MA have inspected the components described
"	in this 'Owner's Report-during the period Tut. 8, 1986 - to CT. 4, 1986, 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 SYSTEM
	William R. Rogers III Commissions NB7980 PA2204 NIBS IS
	Inspect of a Signature National Board, State, Province, and Endorsements
ŧ.	Date No V. 17 1986

•		FORM NIS-2 C	WNER'S REPO ired by the Prov	RT FOR REF	PAIRS OR REPLACE ASME Code Section	CEMENT	190 28	0/21
1. Owner PENNSYLVANIA POWER AND LIGHT CO. 2. North 9 ⁷⁴ ST. AllENTOWN PA. 18101 Sheet 1 of 2 2. Plant SUSQUEHANNA STEAM Electric STATION Unit 2 2. Plant SUSQUEHANNA STEAM Electric STATION Unit 2 P.O. Rox 467 Berwick PA. 18603 Repair Organization P.O. No., Job No., etc. 3. Work Performed by OWNER Name Authorization Date NA Address Expiration Date NA 4. Identification of System Primary Court Tost, CAS 2-35A-TIT 5. (a) Applicable Construction Code Page III 19 74 Edition, W 74 Addenda, W-242 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 30 WEi								
Na	me of ponent	Name of Manufacturer	Manufacturer Serial No,	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
÷ Di	\$C	J.E. LowerGAN	761476	N/2	FSV-22643	1972	Replaced	Y
, 61	sc	J.E. LONERGAN	1G-35-41	1//2	PSV-22642	19:35	Replacement	Y
" SP	RING	J. E. Lower GAN	155764	Nis	PSV-72643	1982	Replied	ż
3 50	RING.	J.E. LONERGAN	628436	N/A	P3V-22643	1985	Replicement	Y
SFRING	Washers	J.E. Lower SAN	Cirzas	NIA	PSV-22643	1987	Replaced	Y
7. Oescrip	tion of Work	Rework	VAIVe =	INTERNAL	!s			
8. *Tests C	anducted:	Hydrostatic Prossure		minal Operating		Z(#mp	, 	
a tion in	items 1 thro	tsi sheets in form a ough 6 on this repo of this form,	f lists, sketches, o rt is included on e	r drawings may each sheet, and	be used, provided (1) (3) each sheet is num	size is 8% obered and	in. x 11 in., (2) i 1 the number of	nforma- iheets is
(12/82)		This Form (E000)	30) may be obtain	ed from the Or	der Dept., ASME, 345	E. 47th S	t., New York, N.	Y. 10017

lage 30 of 288.

*	FORM NIS-2 (Back)
ين. م	Remarks NV-1 DATA ROBOT ATTACKED
٠.	Applicable Manufacturer's Data Reports to be attached
31.	
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•	
۳	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>Relimentally</u> conforms to the rules of the ASME Code, Section XI.
	ASME Code, Section At-
γ* <u>.</u>	Type Code Symbol StampNON E
	Type Code Symbol Stamp
*	Certificate of Authorization No
נ י	Signed November 7 19 86
Ļ	Owner or Owner's Osargnee, Title Supple of Plant
ž	CERTIFICATE OF INSERVICE INSPECTION
7	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGES MUTUAL INS. Co. of
-	WALTHAM MA have inspected the components described
	in this Owner's Report during the period Oc. T. 3 1986 to Oc. T. 8, 1986 , 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 SYSTEM
~	William R. Roger TE Commission NB7980 PA2204 NIES IS
~	Inspector/s Signature • National Board, State, Province, and Endorsements
	Date Nov 18 19.86
L.	

H 's	As Required by the Provisions of the ASME Code Section XI Page 31 & 1. Owner Revassible And Rough Page 17 Date 11-5-76 Name J. North 9 th 57. Allentown Pa. 18101 Address 2. Plant 5050 whaning Stemm Electric Station Name P.O. Br. 467 Beauch Pa. 18603 Address Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp Allentown Name Name Address Address										
****	5. (a) Applicable Cons	struction Code <u>AS</u> ion of Section XI Ut	19. 77 19.	_74_ Edition,_ or Replacements Replacement Com	<u> </u>			Code Cas			
w,	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	Stamped (Yes or No)			
ø)	Spring judshers	JE. Lowergan J. E.J	A13383	N/19	PS4-1243	1975	Raplyement	Y			
**	SPINOL =	Lorsergian	97157	NIA	P3V - 276UZ			у.			
4 5	SPINGLE	J.E. Lowergan	97157	N/,1°	PSV-22642	1985	Redamen	- Y			
gk s	•										
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2 North	9 71	ST., Alle	NTOWN PA.	18101	Date 12-3- Sheet 1 0 Unit 2			
			K PA. 18		!NA	V 646	75 .0. No., Job No.,	
<u> </u>	70.	Address						otc.
Work Perform	ed by_	OWNER	Name		Type Code Symbol		N/A	
			; ;		Authorization No.		N/A .	
		Address			Expiration Date		үн	
Identification	of Syste	m Himacy	Cout To	ust Gas	·		225A -7	<u> </u>
				80 AM	DAN 80 .			
	e Consti	uction Code_#5		-		ddenda,	NONE	Code Case
	e Editio	n of Section XI U	tilized for Repairs o	ir Replacement	19 30 W81			
(b) Applicabl			1					
(b) Applicabl			ar Replaced and R					
(b) Applicabl	af Com		1			Yeer Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of Componen	af Com	Name of Manufacturer	or Replaced and R	National Board No.	Other Identification	Built	Replaced, or Replacement	Code Stamped (Yes
Name of Component	at Com	Name of Manufacturer	or Replaced and R Manufacturer Serial No.	eplacement Co National Board	Other Identification	19'76	Replaced, or Replacement	Code Stamped (Yes or No)
Name of Componen	at Com	Name of Manufacturer Bor G WARNER Bor G WARNER	Menufacturer Serial No.	National Board No.	Other Identification	19'76	Replaced, or Replacement	Code Stamped (Yes or No)
Name of Component	of Com	Name of Manufacturer Bor G WARNER Bor G WARNER	Manufacturer Serial No. 15334 361 - W - 1001 757K-210	National Board No.	Other Identification 2-26-015	1976 1986	Replaced, or Replacement Softnoord Softnoord	Code Stamped (Yes or No)
Name of Component	of Com	Name of Manufacturer Bor G WARNER Bor G WARNER TargeT Rock	Manufacturer Serial No. 15334 261 - W - 1001 757K- 210 - 3	National Board No.	Other Identification	1976 1986	Replaced, or Replacement Softnoord Softnoord	Code Stamped (Yes or No)
Name of Component	of Com	Name of Manufacturer Bor G WARNER Bor G WARNER TargeT Rock	Manufacturer Serial No. 15334 361 - W - 1001 757K-210	National Board No.	Other Identification 2-26-015 2-26-015 5V-22643	1976 1986	Replacement Seplacement Seplacement Seplacement	Code Stamped (Yes or No)
Name of Component	ve -	Name of Manufacturer Bor G WARNER Bor G WARNER	Manufacturer Serial No. 15334 361 - W - 1001 757KK- 210 - 3	National Board No.	Other Identification 2-26-015	1976 1986 1981 1983	Replacement Seplacement Seplacement Seplacement	Code Stamped (Yes or No)

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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,

(12/82)

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

i Page 33. of 288

))	FORM NIS-2 (Back)
a P	Remarks A)PV-1 DATA CEPOTTS ATTAched
3.	Applicable Manufacturer's Data Reports to be attached
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4.	•
1	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>IEP/X ernesT</u> conforms to the rules of the repair or replacement
	ASME Code, Section XI.
9	•
`	Type Code Symbol Stamp Nove
,	Certificate of Authorization NoN// Expiration DateN//
ł	Signed
•	Owner or Owner's Designee, Kille Supt. of Plant
ŕ	CERTIFICATE OF INSERVICE INSPECTION
4	Labourdersigned, holding a valid commission issued by the National Roard of Roller and Prasture Vestal Inspectors and the State
	or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGRS. MUTURE INS. Co of
સ	W4LTHAM MA. have inspected the components described in this Owner's Report during the period Oct. 15, 1986 to Oct. 19, 1986, and state that
ት ፮	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.
ł	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
g.	shall be 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
*	William R-Roque TE Commissions NB7980 - PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements
de	Inspector's Signature National Board, State, Province, and Endorsements
	Date DEC. 15 19.86
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				AIRS OR REPLACE SME Code Section		s 1902 34	A a
1. Owner PENNSY	IVANIA POWER	Ann Light	- Co_	3-E-51_000	To_	8.	
	Name ST. Allen			Sheet 2 o	ر ا <u>_</u> ک		
2. Plant Suspueh	74414			Unit			
	7 Rerwick			<u>wa</u>	V 64	6.75 0. No., JOB No.,	
. 3. Work Performed by		Name		Type Code Symbol:	Stamp	NIA	
		Name		Authorization No Expiration Date			
4. Identification of Sy	Address O Suppacy	CONT					74-]
5. (a) Applicable Con	struction Code <u>ASA</u> Jion of Section XI Uti	ne '77 19. Ilzed for Repairs	60 Edition, or Replacements	19 20 W81	ddenda,		
			National	Sat		Repaired,	ASM Code Stamp
Name of Component	- Name of Manufacturer	Manufacturer Serial No,	Board No.	Other ' Identification	Year Built	Replaced, or Replacement	or No
1" Pije	SANDVIK	нт ** 467413	NIA	58-ccc-201-1 ITE(n 63	1984	Cophement	N
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As Required by the Provisions of the ASME Code Section XI Fage 35 (g) 1. Owner Pennis Y Vanish Power And Light Co. Name 2. North 9th St. Allentown Pa. 18101 Name 2. Plant Susquehanna Steam Electric Station Name P.O. Box 467 Berwick Pa. 18603 Name P.O. Box 467 Berwick Pa. 18603 Name Type Code Symbol Stemp N/a Authorization No. N/a Expiration Date N/A Authorization No. N/A Authorization P.O. No., Job No., etc. Type Code Symbol Stemp N/A Authorization No. N/A Expiration Date N/A Address 1. Identification of System Firmary Cont. Toste Code Description (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 20021 3. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Board Other Year Replaced, (Year Component Manufacturer Serial No. No. Identification Built or Replacement or No. Repl
Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name N
Address Identification of System Pinnery Cont. Tost. Cost. 2259-TII (a) Applicable Construction Code Asmo TE 19 74 Edition, Later Addenda, Code C (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 Source Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Board Other Year Replaced, (Yes
(a) Applicable Construction Code <u>ASME_TIE_19_74</u> Edition, <u>LS.74</u> Addenda, Code C (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>SOSSI</u> Light Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Board Other Year Replaced, (Year Replaced, Stamps)
Name of Name of Manufacturer Board Other Year Replaced, (Yes

Sept shale PL Tech NIA NA Priv-22643 1974 replaced V
EST Shere Pock 1369 N/A PCY-22643 1984 Replicement Y

7. Description of Wor	x Remove Tackwelds and	in Airson Volve	Insp., Pol	the parts	HNN iqueld TIKKS.
8. Tests Conducted:	Hydrostetic Preumetic Dther Pressure			mpT	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

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	FORM NIS-2 (Back)		
4017-74-36	NCR 86-1369		
, Hemarks	icable Manufacturer's Data Reports	o be attached	
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"F" CI	ERTIFICATE OF COMPLIANCE		
We certify that the statements made in	the report are correct and this for	ohr ener confo	rms to the rules of the
ASME Code, Section XI.		or representation	
Type Code Symbol Stamp Norte			
ধ			
* Certificate of Authorization No	Expiration D	ate	— - <u></u>
Signed Columbia	•	12.	12 19.86
Owner or Owner's Designee, This	Date		, 19.3.
CERT	TIFICATE OF INSERVICE INSPEC	TION	
I, the undersigned, holding a valid commission is:	sued by the National Board of Boiler	and Pressure Vessel	Inspectors and the State
or Province of PENNA. and en			
in this Owner's Report during the period Oc			components described
to the best of my knowledge and belief, the Ov			
$rac{\epsilon}{2}$ Owner's Report in accordance with the requirement			
By signing this certificate neither the Inspect	tor nor his employer makes any wa	rranty, akoressed or	implied, concerning the
examinations and corrective measures described			
shalk be liable in any manner for any personal in inspection.	. FA/	any king arising from TORY MUTCIAL S	n or connected with this SYSTEV
swilliam R. Rogers III Inspector's Signature Date JAN. 6 1987	NB7980	PA2204	NIES IS
Inspector's Signature	National (Board, State, Province	e, and Endorsements
- -			
, Date JAN. 6 19.87			•

As Required by the Provisions of the ASME Code Section XI STEAM_ Sus quehanna 8603 Berwick Type Code Symbol Stamp_ 3. Work Performed by_ NIA Authorization No. N/A Expiration Date_ 4. Identification of System Primacy Agn . 12-15-56 Addende, 5. (a) Applicable Construction Code Atme TIT 19<u>74</u> Edition, 40 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 20 1151 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Stamped Repaired, National Replaced, (Yes Name of Manufacturer Board Other Yeer Name of or No) or Replacement Component Manufacturer Serial No. No. Identification Built. 75KK-401 TARGET Pressure Valve NA PCV- 2264B 979 Rock * :: 13 7. Description of Work Remove Tackwelds, Rowert Internals. Reweld Z EXEMP'T 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure psi Test Temp. Other Pressure_ NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% in. x 11 in., (2) informetion 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 frecorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMEN

 $\{12/82\}$

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‡ ;Remarks <u>N/A</u>	Academia Magnesia Dan Carana a la companya de la co	
**************************************	Applicable Manufacturer's Data Reports to be attached	
1	<u>, </u>	
\$ · · · · · · · · · · · · · · · · · · ·		
	CERTIFICATE OF COMPLIANCE	
We certify the ASME Code, Section XI	t the statements made in the report are correct and this <u>FEFAIC</u> conforms to the rules of repair or replacement.	f the
과 단 Type Code Symbol Stan	np NONE	
Certificate of Authoriza	December 4 19 86	 5
**************************************	CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, hold for Province of PENN	ing a valid commission issued by the National Board of Boiler and Prassure Vessel Inspectors and the	
WALTHAM. M		cribed
to the best of my know	ledge and belief, the Owner has performed examinations and taken corrective measures described dance with the requirements of the ASME Code, Section XI.	
	icate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning	-
	ctive measures described in this Owner's Report, Furthermore, ne-ther the Inspector nor his emeasures described in this Owner's Report, Furthermore, ne-ther the Inspector nor his emeanner for any personal injury or property damage or a loss of any kind arising from or connected with FACTORY MUTUAL SYSTEM.	-
	Commissions NB7980 PA2204 NIBS I	
Oate DEC. 15	19 <u>#6</u>	

(12/82)

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,	FORM NIS-2 O As Requi	WNER'S REPO	RT FOR REP.	AIRS OR REPLA SME Code Section	CEMENT	001.39	
1. Owner PENNSY	Vania Power	ANO Light	Çc	Date	-86	J.	9
2 Nerth 9th		•		Sheeto	17		
. Plant Sisque	Address			Unit			
	167 Berwie			Benait Orga	V6	3025 0. No., Job No.,	410
. Work Performed by	-		······································	Type Code Symbol		NA	
•		Name		Authorization No		NA	
·				Expiration Date		NA	
ers	RHR Pimp	Rich Coelin	g Ruj Ru	2 <i>FF-</i> 211828 2 <i>F0</i> -211821	•	2- 3	46 -3
, Identification of Sy	\$(ett) _Necesticates	भद्रमा १७ २५ न्हेंस	<u> </u>	<u> </u>	<i></i>		<i></i>
(a) Applicable Con (b) Applicable Edit Identification of Co	ion of Section XI Uti	lized for Repairs	or Replacements	19 <u>80 MB</u> /	ddende,	NA	Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	√3 Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
· Disc.	NOVA/HOWINET	C10	N/iA	82215	1980	Replaco	Y
STEM Assembly		D15-A	NIA	82215	1	Replication	- i/
Disc	NOVA SHOWMET	C10	NIA	B2216	l	Replaces	У
Tem Assembly	YACWAY	015-A	N/A	B2216	1976	leplacenews	Y
Disc	AXOVA / Howner	-C10	NA	B2205	1970	Poplice C	Y
Description of Work	Replace VA	lve stem	s AND DIS	cs on t	· YACW	AY VAIV	<u> </u>
	Hydrostetic Pn Other Pressure	eumatic No		Pressure 🗌 🗷	L EKEN	דקנו	
	ital sheets in form of ough 6 on this report of this form.						
2/82)	This Form (E0003	0) may be obtain	ed from the Ord	er Dept., ASME, 345	i E. 47th S	it., New York, N.	Y. 10017
' 9							

. Page 40 of 288

FORM NIS-2 (Back)
9. Remarks N-3 CATA Report ATTALANT
Applicable Manufacturer's Data Reports to be attached
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the repair or replacement
<i>(</i>
Type Code Symbol Stamp NON 6
Certificate of Authorization No. N/A Expiration Date N/A
November 7 86
Signed Owner's Designee, Title
Supt. of Plant
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL INS. Cu of
WALTHAM, MA. have inspected the components described to SEP. 29, 1984, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
A 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 SYSTEM
William R. Process Commissions National Board, State, Province, and Endorsements Date Nov. 17 1986
ALL STATES AND ENGLISHMENT
Date NOV 17 19.86

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Owner Pennsylva	Name	AND Light	Co.	Date			
work 9th	ST. Allert	OUN FA	18101	Sheet Z	1_2		
Plant Sysauch	ANNA STEAM	n Flectic	STATION	Unit Z			
P.O. Box 46					V63	0. No., Job No.,	
Work Performed by				Type Code Symbol		.,	
_	,	Name ,		Authorization No Expiration Date		NA NA	
Identification of Sys	RHR PUMP	lucin Curiling	RVI, RVZ - RVI, RV	FF- 21182 2 FP - 211	B	b	2-34
(a) Applicable Cons		=	<u>.'7/</u> Edition,_	<u>w 72</u> A	ddenda,		Code Cas
(b) Applicable Edition	on of Section XI Uti	lized for Repairs	or Replacements	19 <u>80 US</u> 1			
Identification of Cor	mponents Repaired o	r Replaced and F	Replacement Con	ponents			
							ASME
•			National	i.		Repaired,	Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	, (Yes or No)
Tem Assembly	YArway	015-A	NA	P. 2205	1986	Pepinamen?	. <i>Y</i>
Disc.	Now# Howmet	- C10	" pola "?	5 B 2707	1980	ReplaceD	Y
Em Assembly	YArway	015-A	N.Á	[ľ	Replacement	·Y
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	· As Requ	ited by the Prov	isions of the A	SME Code Section	' <u>^'</u>	992 42	g e
Owner Pennsy	IVANIA POWE	c AND Light	r_Co.	Date	76	<u>U</u>	
North 9th		•		Sheeto			
Plant SUSQVE	, - Agarem			Unit 3			
P.O. Box 46				WA Secret Occasion	V64	4146 O. No., JOD NO.,	
Work Performed by		Name		Type Code Symbol S	Stamp	NA	
		Name		Authorization No Expiration Date		NA NA	
Identification of Sys	Address	Ride C	HILLER W	ires		2-34/	Y-II
(a) Applicable Cons (b) Applicable Editi Identification of Co	an of Section XI Ut	ilized for Repairs	or Replacements	19 80 M8/	ddends, <u>L</u>	647 1516-1 567 1335-9	,Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE Wedge	P. S. F.	HT# 1 J80	NA	HV-2879113	1976	Replace D	Y
Valve wedge VALVE Wedge	Pacific Valves	0505-1	N/A	HV- 3279/A2		1	y.
	•						
		<u>. </u>		<u> </u>			
Description of Work	Remove De	fective V	Alve . wed	e ano Ro	cpire	wird New	ONE
	Hydrostatic Prossure_		•	. —		•	
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Page 43 of 288

FORM NIS-2 (Back)

FORM (415-2 (Date)
9. Remarks N-2 DATA ROBET ATTACHED
9. Hemarks
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this for home conforms to the rules of the
ASME Code, Section X1.
Tura Carla Cumbal Campa A 204 20
Type Code Symbol Stamp A SAIC
Certificate of Authorization NoExpiration Date
sierre Stribested pre 11/24 1986
Signed Owner or Owner's Designee, Title Supt. of Plant
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA and employed by AREWEIGHT BOSTON MESES MUTUAL THS. Co of WALTHAM MA. have inspected the components described
Fin this Owner's Report during the period Oc T. 6, 1986 to Oct. 18, 1986, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
2) 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, a coressed 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 SYSTEM
Commissions NB7980 PA2204 NIES IS Inspectors Signature National Board, State, Province, and Endorsements
Commissions NB7980 PA2204 NLES IS Inspector's Signature National Board, State, Province, and Endorsements **Nov. 26 1986

	FORM NIS-2 O - As Requi	WNER'S REPO)AT FOR REF visions of the /	PAIRS OR REPLA ASME Code Sectio	CEMENT	igh 44	d =
1. Owner PENNS	Ylvania Power	- AND Light	т Со.	Date//-/32	3 E	J	0
a de la companya de	ST. Allento	•		Sheet	1		
•	PEHANNA STE			Unit	· · ·		
: P.O. Box 4	1441114			WA	V64	552	
	700,000			Repair Orga Type Code Symbol	nization P.	.O. No., Job No.,	etc.
^{y'} 3. Wark Performed b	y_OWNER	Name		Authorization No.			
M**	Address	·		Expiration Date		NA	
F4. Identification of S		.Tae D				2-45	A-II
				,			
5. (a) Applicable Cor	nstruction Code <u>Abri</u> ition of Section XI Uti	10 TT 19	Edition, or Replacement	<u> </u>	ddenda,	N/A	_Code Cas
6. Identification of C			•				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yeer Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
\.					<u> </u>		<u> </u>
Bry Cover NUT	S Jus DYSON	4779156	NA	#Y-3F03:18	19:75	Replaces	Y
Pro Civer NUT	TexAs	KG58	N/A	HV-3F032B	ĺ	1 .	Y
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7. Description of Wor	k Ceplace 5	2 NUTS	on Bi	y. Cover			
8. Tests Conducted:	Hydrostatic Procesure_	eumatic No 1050 psi				c	
	ntal sheets in form of rough 6 on this repor p of this form,						

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Page 45 of 288

FORM NIS-2 (Back)

Remarks N/a
Applicable Manufacturer's Data Reports to be attached
<u> </u>
₩ <u>.</u>
K.
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Reducement conforms to the rules of the
ASME Code, Section XI. repair or replacement
e/h
•
Type Code Symbol Stamp NON E
Certificate of Authorization No. 4/4 Expiration Date N/3
$\mathbf{x} \cdot (A - \mathbf{y}, A \cdot \mathbf{x} \cdot (A - \mathbf{y}, A \cdot \mathbf{x} \cdot (A - \mathbf{y}, A \cdot \mathbf{x} \cdot (A - \mathbf{y}, A - \mathbf{y}, A - \mathbf{x} \cdot (A - \mathbf{y}, A - \mathbf{y}, A - \mathbf{x} \cdot (A - \mathbf{y}, A - \mathbf{y}$
Signed November 14 1986
Owner or Owner's Designee, Title Supr. of Plant
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA and employed by ARKWRIGHT BOSTON MEERS. MUTULL INS. CO
(W4CTHAM MA have inspected the components described in this Owner's Report during the period Oct. 14,1986 to Oct. 23,1986, and state the
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
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. Accressed or implied, concerning t
examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employ
shall be liable in any manner for any personal injury or property damage or a lost of any kind arising from or connected with the
inspection.
(1) Vian P. Piggen W. NB7980 PA2204 NIES IS
Commissions National Board, State, Province, and Endorsements
Date Nov. 19 19.36
Sans.



(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80 W 81 I. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Board Other Gomponent Pear Replaced, Or Replaced, Or Replaced, Or Replacement Or No. Identification Built Or Replacement Or No. No. No. Replacement Or No.	. Owner Pennsy	vivania Power	& Light C		Data <u>Septemb</u>		1986	U
Plane Susquehanna Steam Electric Station Name P.O. Box 467, Berwick, PA 18603 Address Work Performed by Pennsylvania Power & Light Co. Name Two North Ninth St., Allentown, PA 18101 Address Identification of System DIV I RHR LPCI SDC RXR, System 249A, Class I (a) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 H'81 Identification of Components Repaired or Replaced and Replacement Components Name of Component Manufacturer Serial No. Name of Manufacturer Serial No. Name of Component Repaired or Replaced and Replacement Components Mechanical Pacific 12629 N/A H33 N/A ment No MECHANICAL SCIENTIFIC 01386 N/A REPLACED N/A REPLACE	<u>Two North</u>	Ninth St. A	llentown.	PA	Sheet 1	<u> 1</u>		
P.O. Box 467, Berwick, PA 18603 Addrese Work Performed by Pennsylvania Power & Light Co. Name Two North Ninth St., Allentown, PA 18101 Addrese Identification of System DIV I RHR LPCI SDC RXR, System 249A, Class I (a) Applicable Construction Code ASME III 19 71 Edition, Thru W 172 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80 W 81 Identification of Components Repaired or Replaced and Replacement Components Name of Manufacturer Serial No. Mechanical Pacific 12629 N/A H33 N/A Replaced N/A Replaced N/A Replaced Signature Street Shock Scientific 12629 N/A H33 N/A Replaced N/A Replac	Plant Susque	ehanna Steam	Electric S	tation	Unit 2			
Work Performed by Pennsylvania Power & Light Co. Name Two North Ninth St., Allentown, PA 18101 Address Identification of System DIV I RHR LPCI SDC RXR, System 249A, Class I (a) Applicable Construction Code ASME III 19 71 Edition, Thru W '72 Addende, N/A Code (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80 W'81 Identification of Components Repaired or Replaced and Replacement Components Name of Component Manufacturer Serial No. National Repaired, Replaced, Co. Repaired, Repaired, Co. Repaired, Co. Repaired, Co. Repaired, Repaired, Co. Repaired, Co. Repaired, Repaired, Co. Rep		INGINE				JA # 1/	63913	
Identification of System	Work Performed by	Address Pennsylvania Winth St., Al	Power & L	ight Co.	Repair Orge Type Code Symbol Authorization No	nization P	None None	ete.
(e) Applicable Construction Code ASME III 19 71 Edition, Thru W 1.72 Addends, N/A Code (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W 81 Identification of Components Repaired or Replaced and Replacement Components Name of Component Manufacturer Serial No. No. Identification Built Replaced, or Replacement (Your Replacement or No. Replacement or No. Replacement (Your Replacement or No. Replacement or No. Replacement No. No. Replacement No. No. Replacement No. No. Replacement No. Replacement No. No. No. Replacement No. No. Replacement No.	Identification of Sy	DTV T DU	R LPCI SDO	RXR, Syst	em 249A, Cla	ass I		
Name of Component Name of Manufacturer Serial No. National Repaired, Replaced, or Replaced, or Replaced, or Replacement Or No. Mechanical Pacific Scientific 12629 N/A H33 N/A REPLACED N/A RESPACED N/A REPLACED N	(b) Applicable Edit	ion of Section XI Uti	lized for Repairs	or Replacements	19 <u>80 W'</u> 81	ddende,	11/ A	Code C
Mechanical Pacific 12629 N/A RWS-200- N/A Mephace- No MECHANICAL MECHANICAL SCIENTIFIC 01386 N/A RWS-200- N/A Replace- NO N/A SCIENTIFIC 01386 N/A RWS-200- N/A REPLACED NO N/A REPLACED NO N/A SCIENTIFIC 01386 N/A REPLACED NO N/A MECHANICAL NO N/A REPLACED NO N/A REPLACED NO N/A MECHANICAL N/A REPLACED NO N/A REPLACED N/A REPLACED NO N/A REPLACED N/A		1		Board. No.		1	Replaced,	ASME Code Stampe (Yes or No)
MECHANICAI MELFIC 07386 N/A RUS-200- N/A REPLACED NO.	_		12620	N/A		N/A	• .	No
Description of Work Replace existing snubber with functionally tested replacement	MECHANICAL	Mestic			RWS-200-	 	 	NO
Description of Work Replace existing snubber with functionally tested replacement		•		•				
Tests Conducted: Hydrostatic Pressure Nominal Operating Pressure Other Pressure psi Test Temp. Rone X	•	Hydrostatic Pn	eumatic 🔲 No	ominal Operating	Pressure 🔲		_	nt 、

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. Page 47 of 288

FORM NIS-2 (Back)

	FORM RIGG (DUCK)
Remerks N/A	
	leable Manufacturer's Data Reports to be ettached.
	•
GI	ERTIFICATE OF COMPLIANCE
	the report are correct and this replacement conforms to the rules of t
ASME Code, Section XI.	repair or replacement
Type Code Symbol StempN/A	
	11/4
Certificate of Authorization No. N/A	Expiretion Date N/A
All Blakes	ee 11- 25-86 19
Signed Owner or Oylner's Designee, Title Su	pertintendent of Plant
CERT	FIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission is	sued by the National Board of Boiler and Pressure Vessel Impectors and the S apployed by <u>Arkwri qht Boston Mfqrs.</u> , <u>Mutual Ins.Co</u>
Waltham, Massachusetts	have inspected the components descri
in this Owner's Report during the period Se	P. 3. 1986 to Oct. 5, 1986 and state
	wher has performed examinations and taken corrective measures described in
Owner's Report in accordance with the requirem	ents of the ASME Code, Section XI.
	tor nor his employer makes any warranty, expressed or implied, concerning
	3 in this Owner's Report. Furthermore, neither the inspector nor his employers or property damage or a loss of any kind arising from or connected with
inspection.	daily or brobatty company or a ross or any kind submit nome or commerces and
	· Factory Mutual System
William R Rogers III	Commissions PA 2204 NB7980 NIBS IS
I Uniterate L'a sièuecrite	National Board, State, Frovince, and Endorsements
Date Dec. Z 1086	
V-9-4	

	Ivania Power			Date September		1986	
Two North	Ninth St. A	llentown,	PA	Sheet 1 o	<u>1 - 1 - </u>		
Plant Susque	hanna Steam	Electric Si	tation	Unit 2			
	Name Sox 467, Berw			E&S Const./V	JΔ #V6	3878	
P.U. 6	Address	ICK, FR 4				.O. Ne., Job No.,	ete.
Work Performed by	Pennsylvania	Power & L	ight Co.	Type Code Symbol	Stamp	None	
		(Affilia)		Authorization No.		11/ A	
Two North N	Inth St., Al	lentown, P	A 18101	Expiration Data		N/A	
	Div I RHR			AGR Class 1		•	
· ·(a): Applicable Con:	struction Code_ASM	E III 19	71_Edition,	Thru W '72 A	ddenda,	N/A	_Code
(b) Applicable Editi	ion of Section XI Util	lized for Repairs	or Replacement	19.80 W'81		•	
				•			
Identification of Co	mponents Repaired o	r Replaced and R	leplacement Cor	mponents		• •	
			· · ·	1	Γ	T	T
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						Repaired,	Stan
1 Name of	Name of	Manufacturer	National Board -	Other	Year	Replaced,	(Y
Component	Manufacturer	Serial No.	No.	Identification	Bullt	or Replacement	ori
	ļ				1] .	
Mechanical	Pacific			9CA-210-		кертасе-	-
Shock	Scientific	12626	N/A	H14	N/A	ment	No
Mechanical	PACIFIC.	422		DC1 - 310 -			
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Description of Worl	Replace exi	sting snub	ber with	functionally	teste	d replaceme	ent
•		-			teste	d replaceme	ent
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		neumetia 🔲 No	ominal Operatio	g Pressure 🔲		_	ent

Page 49 of 288

	FORM NIS-2 (Back)
	Remerks N/A
• •	Applicable Manufacturer's Data Reports to be attached
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	CERTIFICATE OF COMPLIANCE 4" We certify that the statements made in the report are correct and this TEDTACEMENT, 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 - Sta Blakesleet Dars 11-25-86 19
	Owner of Owner & Decignes, Title Superintendent of Plant
_	
	CERTIFICATE OF INSERVICE INSPECTION In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
46	or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins.Co
	Waltham, Massachusetts - Lave inspected the components describe
	n this Owner's Report during the period Aus. 30, 1986 to Oct. 5, 1986, and state th
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
•	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 section of the section of the concerning the section of
	examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employ
	thall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th
	inspection,
	William R. Pages III Commissions PA 2204 NB7980 NIBS IS
	William R. Rogers III Commissions PA 2204 N87980 NIBS TS Impostry's Eleneture Commissions National Scard, State, Province, and Endersements. Date DEC, Z 1986
	Dec. 2 19.86

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Owner Pennsy	<u>lvania Power</u>	& Light C	<u> </u>	Date Septemb	er 25.	1986		
Two North	Ninth St. A	llentown.	PA	Sheet 1 of 1				
	hanna Steam			Unit 2				
· P.O. B	ox 467, Berw	itck, PA 1	8603	E&S Const./				
Work Performed by		Power & L	ight Co.	Type Code Symbol:		.o. ne., Job no., None	ete.	
		Name		Authorization No.	•	N/A		
Two North N	inth St., Al	<u>lentown, P</u>	A 18101	Expiration Cate		N/A		
Identification of Sys		HR LPCI SD	C. System	249F. Class	1			
(a) Applicable Const	ravetica Code ASM	E III :: 10	71 Edition	Thru W .172 A	ddende	N/A	_Code	
(b) Applicable Edition	on of Section XI Uti	lized for Repairs	or Replacements	19.80 W'81	00011061-		_000	
		×	•					
Identification of Con	nponents Repaired o	or Replaced and R	leplacement Corr	ponents				
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			Madaal			Repaired.	Starr	
Name of	Name of	Manufacturer	National Board. ***	Other	Yeer	Replaced,	(Y	
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	ort	
ļ		,					}	
Mechanical	Pacific			SP-DCA-	33.73	Replace-		
Shock	Scientific	03590	N/A	210-Н5006	N/A	ment .	No	
MECHANICAI SHOCK	PACIFIC SCIENTIFIC	20838	N/A	SP-DEA- 20-H5006	NIA	REPIACED	NZ	
3//02/2	SCIENTIFIC	1	<u> </u>	24)-H3000			-	
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Description of World	Replace exi	stina snub	ber with f	functionally	tester	 I renlaceme	ant	
Tests Conducted:	Hydrostatic Pr	eumetic 🔲 No			. ,_	7		
	Other Pressure_	psi	Test Temp		lone <u>X</u>	1 .		
		• • • • • •			4 .las 1: #4		lada	
	as enable in form of	riieto evetches c	w ceremana mesa i	se usea, provided (1)	SIZE IS NY	117. X 11 (R., (2) (miunit	
NOTE: Supplement	ugh 6 on this recor	t is included on a	ech sheet, and (3) each sheet is num	bered an	d the number of	sheets	

Page 51 of 288

FORM NIS-2 (Back)

Remerks	N/A	
	Applicable Manufacturer's Deta Reports to be etter	phos
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	CERTIFICATE OF COMPLIANCE	
W	We cartify that the statements made in the report are correct and this PED a CEMI	CDE conforms to the rules of the
ASME Code	e, Section XI. repair or replac	ement
e"	Symbol Stemo N/A	
Type Code 3	Symbol StampN/A	
Parelliana a	of Authorization No. N/A Expiration Date	N/A
Signed		5-8219
Ov	wner or pwner's Designes, Title SuperyIntendent of Plant	
	CERTIFICATE OF INSERVICE INSPECTION	
, the under	rsigned, holding a valid commission issued by the National Board of Boiler and Press of <u>Pennsylvania</u> and employed by <u>Arkwright Boston Mf</u> o	sure Vessel Inspectors and the St
or Province o Waltham	- Maaaahaabba	pected the companents describ
		1984 and state t
	of my knowledge and belief, the Owner has performed examinations and taken of	·•
	port in accordance with the requirements of the ASME Code, Section XI.	
•	ing this certificate neither the inspector nor his employer makes any warranty, ex	xpressed or implied, concerning
examination	ns and corrective measures described in this Owner's Report, Furthermore, neith	her the Inspector nor his emplo
thatt be Itabi	ble in any manner for any personal injury or property damage or a loss of any kind	arising from or connected with t
inspection.	7 - A 14 . A	-9 0 -4
(0).00.	Factory Muti	
	Factory Mutine PA 2204 NB7 Inspectory Menoture Commissions PA 2204 NB7 National Board, St.	980 NIBS 40

ř.	1. Owner PHMSYL Two No. 4+4 2. Plant Susqueh P.O. Box 46	Address Address Address Address Name	Electric 4	istation	Date 12/29 Sheet 1 0 Unit 2 Wark Auth	. 1	hou - U-4	3016
×į	3. Work Performed by_		Name			nization P. Stamp	O. No., Job No.,	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Identification of Sys (a) Applicable Const (b) Applicable Edition Identification of Const 	truction Code <u>اَ اَ كُوْ</u> on of Section XI Uti	12 TIT 19.	71 Edition, or Replacements	19 <u>86/ Win FRI</u>	.ddenda,	1516-K, 15 -N/A -RB 1	34, Code C 2/86
ال يهل في المحلق	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National ** Board No.	Other Identification	Year Built	Repaired," Replaced, or Replacement	ASME Code Stampe (Yes or No
*	RHR Injection	Anchia	5.0, # P2915	N/A	HV- 251 F015B	1983	Replacement	YES
,	RHR "Injection" isolation value	Aucher	E 5855-15-1	NIA .	HV-251 F0158	1976	Repaired	YES
	RHR Injection 150. value seut ring	Auchor Darling	H+# 69559	V/A	HV-251 FOISB	1976	Replaced	YES
** ***		' _	neumatic No	ny/lesusf.	Pressure 🔀	;+h v	ueld buld	φ.

Page 53 of 288

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FORM NIS-2 (Back) 9. Remarks_ Applicable Manufacturer's Data Reports to be attached 1 ee T CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this report / replacement conforms to the rules of the repair or replacement ASME Code, Section XI. #5 Type Code Symbol Stamp. ť Certificate of Authorization No. Owner or Owner's Designee, T Superintenden CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by ARKWEIGHT BOSTON MEGES MUTUAL THS. Co. or Province of PENNA have inspected the components described WALTHAM MASS. to MAR. 20, 1985 in this Owner's Report during the period FEB. 3, 1984 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 70 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 ٩.,₹ 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 FACTORY MUTUAL SYSTEM inspection, NIBSIS Commissions NB 7980 PA2204 National Board, State, Province, and Endorsements ٦, 19.86 Date JAN. 3

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1, C	owner renusylva	Hun Power E	Light C	<u> </u>	Date 12/30/	٠ دو		
도. 당,	Two No. 4"	ASt, Allentow	w , PA 181	01	Sheet	of_		
⁵ 2. P	Plant Susquehau	Address Na Steam El	latric Stati	• M	Unit 2			
į · _	P.O. Box 46	7, Berwick	PA 1860.	?	Work Auth	ori zation	-V 43350)
	York Performed by	Address			Repair Orga Type Code Symbol		O. No., Job No.,	etc.
J. 1	tork remonited by	ı	Name		Authorization No.	NIA		
	· · · · · ·	. Address	υ I Λ	<u> </u>	Expiration Date	V / N		
4. 10	dentification of Sys	stem_Kesidval	Heat Kew	10041 - 54	stem 49 G Winter 72 , 1980/Winter	CLAS	<u>5 1</u> 1516-K 1	534
5. (8	a) Applicable Cons	truction CodeASI	ME III 19	71 Edition,	Winter 72	Addenda,	N/A	Code C
(t	b) Applicable Editi	on of Section XI Uti	ilized for Repairs	or Replacement	19 <u>80/Winter</u>	80 •	∫ CB	1218
X >		mponents Repaired	ne Replaced and B	leniacement Co				
*'6. Id	dentification of Col	inpolicits repaired (or replaced and r	reprocement Co.	mponents		u	
,	dentification of Col			National	\$5000000000000000000000000000000000000		Repaired,	Code Stampe
,	Name of Component	Name of Manufacturer	Manufacturer Serial No.		<u> </u>	Year Built	Repaired, Replaced, or Replacement	Code Stamps (Yes
RHI	Name of Component	Name of	Manufacturer Serial No.	National Board	Other	i .	Replaced,	Code Stampe (Yes
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Name of Component	Name of	- Manufacturer	National Board No.	Other Identification	Built	Replaced, or Replacement	or No
RHI	Name of Component	Name of	Manufacturer Serial No.	National Board No.	Other Identification	Built	Replaced, or Replacement	Code Stampe (Yes or No
i i	Name of Component	Name of	Manufacturer Serial No.	National Board No.	Other Identification	Built	Replaced, or Replacement	Code Stampe (Yes or No
i i	Name of Component	Name of	Manufacturer Serial No.	National Board No.	Other Identification	Built	Replaced, or Replacement	Code Stampe (Yes or No
i i	Name of Component	Name of	Manufacturer Serial No.	National Board No.	Other Identification	Built	Replaced, or Replacement	Code Stampe (Yes or No

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.

Page 55 of 288

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ŧ, š FORM NIS-2 (Back) 9. Remarks Applicable Manufacturer's Data Reports to be attached Ą 711 CERTIFICATE OF COMPLIANCE repair We certify that the statements made in the report are correct and this. conforms to the rules of the repair or replacement ASME Code, Section XI. Type Code Symbol Stamp · •\$ Certificate of Authorization No Signed. 3 Owner or Owner's Designee Superintender 3 * **CERTIFICATE OF INSERVICE INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State 4 and employed by ARKWRIGHT BOSTON MPGRS. MUTUAL INS. Co. of or Province of PENNA. M WALTHAM MASS. have inspected the components described Ť\$, in this Owner's Report during the period JUNE 3, 1984 to June 9, 1984 _, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 3 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 414 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 Q. inspection. FACTORY MUTUAL SYSTEM ** Commissions NB 7980 PA2204 National Board, State, Province, and Endorsements بي س 19.86 Date JAN.

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	Valla Power Name St., Allenton			Date 12/30		0	
	Address			Unit 2		•	
	Name +67, Benwick Address		<u> </u>	W. A. V	1-446	 57	•
	,	/					etc.
Work Performed by	OWNER	Name		Type Code Symbol Authorization No.	<u> </u>	<u>//!</u>	
	Address			Expiration Date			
. Identification of Sy	stem Residual	Heat Rema	141 - 5x5	tan 49G-C1	435 1		
(a) Applicable Con	estruction Code ASI	IE III 19	71 Edition,	Writer 172 /	ن _ddenda, '∀í	W/A CBone	Code Cas
						9 - 1	•
dentification of Co	omponents Repaired o	or replaced and r	epiacement con				
				1		1	
Name of Component	Name of Manufacturer *	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	(Yes
Component	Manufacturer * A VCH o R	Manufacturer	Board	1		Replaced,	Code Stamped (Yes
Component	Manufacturer *	Manufacturer Serial No.	Board No.	Identification	Built	Replaced, or Replacement	Code Stamped (Yes or No)
Component	Manufacturer * A VCH o R	Manufacturer Serial No.	Board No.	HV2SI FOIS B	Built	Replaced, or Replacement	Code Stamped (Yes or No)
Component	Manufacturer * A VCH o R	Manufacturer Serial No.	Board No.	HV2SI FOIS B	Built	Replaced, or Replacement	Code Stamped (Yes or No)
Component EHR LPCI SOL VALVE	Manufacturer * A VCH o R	Manufacturer Serial No.	Board No.	HV2SI FOIS B	Built	Replaced, or Replacement	Code Stamped (Yes or No)
Component CHR LPCI (SOL. VALVE	Manufacturer * A VCH o R	Manufacturer Serial No.	Board No.	HV2SI FOIS B	Built 1976	Replaced, or Replacement	Code Stamped (Yes or No)

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.



Page 57 of 288

9.	RemarksApplicable Manufacturer's Data Reports to be attached
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	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this repair conforms to the rules of the
	ASME Code, Section XI.
	Type Code Symbol Stamp
	Societion of Australian Na NIA - Evaluation Date NIA
	Certificate of Authorization No. 10111 Expiration Date 10111
	Signed January 7, 19 86
	Owner or Owner's Designee, The Superintendent of Plant
	CERTIFICATE OF INSERVICE INSPECTION
	I she understanded holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of PENNA and employed by AEKWEIGHT BOSTON MEGES MUTUAL INS. Co.
	in this Owner's Report during the period DEC 21, 1984 to JAN. 3, 1985, and state the
	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 employed shall be 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
	NTRSTO
	W.Lliam P. Program Commissions NB 7980 PA 2204 NIBS IN National Board, State, Province, and Endorsements
	Date JAN 14 1986

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1. Owner Pennsy	Ivania Powe	r É LIGH	IT	Date 3/6/8	35	<i></i>	
2. Plam Susqueu	ST. Allento	WN, Pa 189	101	Sheet o	1		
2. Plam <u>SUS QUEH</u>	ANNA STEAM	ELECTRIC	STATION	Unit_2	**,	•	
PO BOX 4			603	WORK AUTHOR REDAIT OFFE	17ATION	, V439	32
				Type Code Symbol			rtc.
3. Work Performed by	OWNER	Name		Authorization No	Stamp	NA	
· •				Expiration Date		NA	
	Address		. Dame				
4. Identification of Sys	tem KESIBUA	L HEAT	REMOV	AL XII	9.	16.K, 1534	
5 (a) Apoliachia Cons	amumion Code ASA	UF III 10	71 Edition	Winter 72 A	ょうろう ddenda	·2MA 133"	⊶.≥. Code (
(h) Applicable Cons	on of Section XI Uti	lized for Repairs	or Replacement	: 19 80 , Winte	cr 81	Addenda	,0000
(5) //					·		
6. Identification of Co.	mponents Repaired o	or Replaced and R	leplacement Cor	mponents*			
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Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	Cod Stamp
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year , Built		Cod Stamp (Ye
1			Board			Replaced,	Cod Stamp (Ye
1		Serial No.	Board No.		Built	Replaced, or Replacement	Cod Stamp (Ye or N
Component	Menufacturer Anchez		Board No.	Identification		Replaced, or Replacement	Cod Stamp (Ye or No
Component RHR NBD	Menufacturer Anchez	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	Cod Stamp (Ye or No
Component RHR NBD	Menufacturer Anchez	Serial No.	Board No.	HV 251 FOISA	Built	Replaced, or Replacement	ASM Cod Stamp (Ye or No
Component RHR NBD	Menufacturer Anchez	Serial No.	Board No.	HV 251 FOISA	Built	Replaced, or Replacement	Cod Stamp (Ye or No
Component RHR NBD	Menufacturer Anchez	Serial No.	Board No.	HV 251 FOISA	Built	Replaced, or Replacement	Cod Stamp (Ye or No
Component RHR NBD	Menufacturer Anchez	Serial No.	Board No.	HV 251 FOISA	Built	Replaced, or Replacement	Cod Stamp (Ye or No
Component RHR NBD	Menufacturer Anchez	Serial No.	Board No.	HV 251 FOISA	Built	Replaced, or Replacement	Cod Stamp (Ye or No
Component RHR JUBD RISOL. INT Valve	ANCHUZ DARLING	Serial No. E 5855-15-2	Board No.	HV 251 FO 15A	Built	Replacement Replacement	Cod Stamp (Ye or No
Component RHR JUBD RISOL. INT Valve	ANCHUZ DARLING	Serial No. E 5855-15-2	Board No.	HV 251 FO 15A	Built	Replacement Replacement	Cod Stamp (Ye or No
Component RHR JUBD RISOL. INT Valve	ANCHUZ DARLING	Serial No. E 5855-15-2	Board No.	HV 251 FOISA	Built	Replacement Replacement	Cod Stamp (Ye or No
Component RHR JUBD RISOL. INT Valve	ANCHUR DARLING TUSTAL	Serial No. E 5855-15-4 L E D W neumatic □ No.	Board No. No.	Identification HV 251 FO 15A (DE) (DE) (P) (TA)	Built	Replacement Replacement	Cod Stamp (Ye or No

Page 59 of 28B

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FORM NIS-2 (Back) Applicable Manufacturer's Data Reports to be attached Ž. .4. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this tepair 41 conforms to the rules of the repair or replacement ¥ ASME Code, Section XI. ٨ ų, Type Code Symbol Stamp. Certificate of Authorization No. Expiration Date <u>January 7, 1986</u> 4 Owner or Owner's Designee, Title ٠**٦**, Superintendent of Plant CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA s and employed by ARKWRIGHT BOSTON MEGES, MUTUAL INS. Co. of WALTHAM, MASS _nave_inspected_the_components_described_ 20 in this Owner's Report during the period NOV. 20, 1984 10 DEC. 17 , 1984 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. PACTORY MUTUAL SYSTEM Commissions NB7980 PA2204 National Board, State, Province, and Endorsements r 🕻 🤋 Date JAN. 14 19.86

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1. Owner PENN	SYLVANIA POWER	£ LIGHT C	···	Date //20/			
Two NORTH	OTH ST. ALLEN Address UEHANNA STEAM Name	TOWN, PA	18101	Sheet_/			
2. Plant	Name	DELECTRIC :	STATION	Unit Z			·
PO. Box 4	Name 67 BFRWICK Address	, PA 1860	3	WA · V - 4	1947 Inization P	.O. No., Job No.,	etc.
3. Work Performed	by OWNER	Name		Type Code Symbol	Stamp	NjA	
				Authorization No. Expiration Date	NIA		
A Manadistantan'ni	Address RESUDUE	y Heat R	FMOVAL -			-G.1	
4, Identification of	System RESIDUA	ME TIT	71	(' -> >	15	516 · K , 1535 -	2
5 _{3,5} (a) Applicable C	Construction Code	illiand for Bassiss	Edition,	W /Z 19 80 W'8/	∖ddenda, <u>∠</u>	534 , /354- ₂	Code (
1) IDI MPDIICEDIA E	dition of Section A) Of	mised for Mahalis	or vabiacamant	s 19 <u>00, v. e</u> 4	,		
6. Identification of	Components Repaired	or Replaced and F	Replacement Cor	mponents			
A		T	1		T	T	
1	l l						1 4014
* ' "		**	' ₀ [€] 1	se			Code
∜ Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	Code Stamp (Yes
	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built	1 - ' .'	Code Stamp (Yes
Name of Component RHR INJECT INBER ISOLATION VALUE	Manufacturer ANCHOR		Board	Identification HV Z5/	Built	Replaced, or Replacement	Code Stamp (Yes or No
Name of Component RHR INJECT IN BD ISOLATION VALVE OISC	Manufacturer AAKHOR DARLING	Serial No.	Board No.	Identification	Built /984	Replaced, or Replacement	Code Stamp (Yes or No
Name of Component RHR INJECT IN BE	Manufacturer ANCHOR	Serial No.	Board No.	HV ZSI FOIS IS	Built /984	Replaced, or Replacement	
Name of Component RHR INJECT IN BD (SOLATION VALVE) OISC	Manufacturer AAKHOR DARLING	Serial No.	Board No.	HV Z5/ F015/3	Built /984	Replaced, or Replacement	Code Stamp (Yes or No
Name of Component RHR INJECT IN BD (SOLATION VALVE) OISC	Manufacturer AAKHOR DARLING	Serial No.	Board No.	HV Z5/ F015/3	Built /984	Replaced, or Replacement	Code Stamp (Yes or No
Name of Component RHR INJECT IN BD (SOLATION VALVE) OISC	Manufacturer AAKHOR DARLING	Serial No.	Board No.	HV Z5/ F015/3	Built /984	Replaced, or Replacement	Code Stamp (Yes or No
Name of Component RHR INJECT INBD ISOLATION VALVE DISC DISC	Manufacturer AAKHOR DARLING	Serial No. ZZ34Z SN -3Z	Board No. N/A N/A	Identification HV ZSI FOIS R HV - EII - +0 Z FOIS B	1984 1976	Replaced, or Replacement REPLACEMENT REPLACE	Code Stamp (Yes or No

Page 61 of 288

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FORM NIS-2 (Back) Applicable Manufacturer's Data Reports to be attached We cartify that the statements made in the report are correct and this Republication Conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp All Certificate of Authorization No. Applicable Manufacturer's Data Reports to be attached Expiration Date Data January 22, 19,86 CERTIFICATE OF INSERVICE INSECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA and employed by AREWICH BOSTON MERRS. MUTUAL TINS. Co. of WALTHAM MASS have inspected the components described in this Owner's Report during the period OCT. 30, 1984 to NOV. 11, 1984	*	•
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Date FEB. 12 19.86	4	Date FEB. 12 1986
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI Date___1/27/86 1. Owner Pennsylvania Power & Light Co. Two N. 9th st. Allentown, PA Unit ___2 2. PlantSusquehanna Steam Electric Station V-44548 PO box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc. 3. Work Performed by <u>Owner</u> N/A Type Code Symbol Stamp___ N/A Authorization No. ___ N/A Expiration Date ____ Address 4. Identification of System RESIDUAL HEAT REMOVAL - SYSTEM 49 G - CLASS L 5. (a) Applicable Construction Code ASME III. 19 71 Edition, WINTER 72 Addends, 1535-2 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 / WINTER 81 6. Identification of Components Repaired or Replaced and Replacement Components χı ASME Code Stamped Repaired, National 🖋 (Yes Reglaced. Year Name of Manufacturer Board Other Name of or Replacement or No) Serial No. Built No. Identification Component Manufacturer ATWOOD RHR TESTABLE YES 3-204 AIN HV-251-F050A 1975 RETALRED MORRILL CO. CHECK VALVE 94% 7. Description of Work THREADED INNER DIAMETER OF BODY AND MACHINED BONNET SCRATCHES

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 1235 psi Test Temp. 535 '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.

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

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FORM NIS-2 (Back)

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Remarks N/A	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
We certify that the statements ASME Code, Section XI.	ts made in the report are correct and this <u>REPAIR</u> conforms to the rules of the repair or replacement
ASME COOR, Section XI.	
Type Code Symbol StampN	·/A
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Certificate of Authorization No.	Expiration Date NA
signed TMC	Title Superintendent of Plant
Owner or Owner's Designee, T	Title Superintendent of Plant
	CERTIFICATE OF INSERVICE INSPECTION
, the undersigned, holding a valid comm	mission issued by the National Board of Boiler and Pressure Vessel Inspectors and the St
	and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL INS. Co.
NALTHAM VIA	have inspected the components described to the components
	of, the Owner has performed examinations and taken corrective measures described in
•	requirements of the ASME Code, Section XI.
By signing this certificate neither th	he Inspector nor his employer makes any warranty, expressed or implied, concerning
	described in this Owner's Report, Furthermore, neither the Inspector nor his emplo
	personal injury or property damage or a loss of any kind arising from or connected with t
napection.	FACTORY MUTUAL SYSTEM
	Commissions NB 7980 PA 2204 NJBS IS National Board, State, Province, and Endorsements
1) Vilson K. Kora OLATIC	National Board Case Sequince and Endreaments
Inspect of a Signature	e Mational Board, State, Province, and Endorsements
Inspector's Signature	e institution Busto, State, Frayince, and Endorsellarity

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI Fage Lat of 388

								
1. Owner PEN	NSY	IVANIA POWER	AND Light	r Co.	Date _/-5-2	36		
		ST., Allente			Sheet	1		
2. Plant_SUS	QVE	HANNA STE	Am Electric	STATION	Unit			
		7 Berwie			Nepair Organ	V648	36 .0. No., Job No.,	etc.
3, Work Perform	ed by	OWNER	None		Type Code Symbol	Stamp	NA	-
			Name		Authorization No			
		Address			Expiration Date		NA	
4. Identification	of Sy	stem_RHR_				_2	- 496 - I	———
		struction Code			<u>ω'75</u> Δ 19 <u>80 ω8</u>	ddenda,	NA	_Code Case
5. Identification	af Co	mponents Repaired (or Replaced and F	Replacement Cor	mponents			•
心 Name of Componen	t	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
"VALVE I	9.6	CABUT COPP	1810-5-	NA	HV- 2F132B	1978	Replaced	Y
VALVE P		MAKONDILAN-	NO0186-	NA	HV- 2F1228	1	1.	У
VALUE ST	em	NA	N/A	NA	HV- 2F/22B	NA	Poplaced	AT'N
VALVE ST	ein	MASONEILAN ORESSER		NB	HY- AFIRZB	1985	Replacement	PET N
· , u, i				,	ه ِ ۲۶			
. Description of	Wark	Rework	valve I	TERNA/S		·		<u> </u>
3. Tests Conduct	ied: Jemen 1 thro	Hydrostatic Protection Processure Protection Pressure Protection Pressure Protection Pro	eumatic No	ominal Operating Test Temp. or drawings may		size is 8%	in. x 11 in., (2) i	nforms- sheets is
. With								

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

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Page 65 of. 288

	** *** *** *** *** *** *** *** *** ***
	A control of the cont
	FORM NIS-2 (Back)
9.	Remarks N-2 DATA REPORT ATTACKED
	Applicable Manufacturer's Data Reports to be attached
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l	CERTIFICATE OF COMPLIANCE
ĺ	* We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
	ASME Code, Section XI.
l	· · · · · · · · · · · · · · · · · · ·
	Type Code Symbol Stamp NONE
l	₹
	Certificate of Authorization No NA Expiration Date NA
1	Value 7 86
l	Signed Owner's Declares, Title One November 7 , 19 86
L	Owner or Owner's Degranes, Title Supt. of Pant
Γ	CERTIFICATE OF INSERVICE INSPECTION
l	1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
ي	or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL INS. Ca of
ļ	WALTHAM MA have inspected the components described
	in this Owner's Report during the period SEP. 25, 1986 to SEP. 28, 1986, 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.
l	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
1	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 SYSTEM
	William R. Rogero III Commissions NB7980 PA2204 NIBS IS
	* Inspector's Signature National Board, State, Province, and Endorsements
	William R. Popus III Commissions NB7980 PA2204 NIBS IS "Inspector's Signature National Board, State, Province, and Endorsements Date Nov. 21 19.86
	Date_Nov. 21 19.84
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FORM NIS-2 OWNER'S REPORT FOR R	EPAIRS	OR REPLAC	CEME	NTS	;
A. Domitical by the Descriptors of th	A ASME	Code Section	a XI L	1.1	-

	72 North Nin		llentown, P	A 181C -	Sheet 1 of			
	W' Susmeh	anna Steam E	lectric Sta					
•	Plant Susquen	Name			Unh2			
	** P.O. Bo	x No 467, Be		18603	Work Autho	rizati	6n U33639.)
		Adores					Q. No., JOB NO.	rtc.
	Work Performed by	Owner			Type Code Symbol S	temp	NA ·	
•	110,2 1110	•	Name		Authorization No		NA	
	••				Expiration Date		NA	
		Address		1,	~	•		
	Identification of Sys	mem_Residua	1 Heat Remo	<u>vaí 2-49</u>	AII			
	(a) Applicable Cons	eruction Code_ASI	ME III 19	71 Edition,	Winter 72 Ac	dende,		.Coc
	(b) Applicable Editi	ion of Section XI Ut	tilized for Freceirs	or Replacement	19 <u>80, Wi</u> nter	81 Ad	denda	
	*W+ ,	•			,			
	Identification of Co	mponents Repaired	or Repaiced and F	Replacement Cor	mponents			
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	le.	,===== =	1			. •		6
	34			National	4,		Repaired,	Su
	The Name of	Name of	Manufacturer	Board	Other	Yest	Replaced,	(
	Component	Manufacturer	Serial No.	. No.	loentification	Built	or Replacement	01
		4			1/ :			
_	*	1	PEGES)	<u>.</u>	HV-211			
			E5853 ,	NA	12F017B /	1976	Replaced	Y
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	Description of World	, Replaced	Disc and S	Stem				
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٠.	Tests Conducted:	Hydrostatic F	neumatic N	ominal Operatin	g Pressure जि			
		,						
	Tests Concoctact	Other Pressure	NApsi	Test Temp	MA F			

Page 67 of 288

th.	FORM NIS-2 (Back)
9. Ren	nerks Arrached Applicable Manufacturer's Data Reports to be attached.
ţ	Applicable Manufacturer's Data Reports to be attached.
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	CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
AS	WE Code, Section XL. The statements made in the report are correct and this are provided by the report are correct and this are constructed by that the statements made in the report are correct and this are constructed by that the statements made in the report are correct and this are constructed by that the statements made in the report are correct and this are constructed by the report are correct and this are constructed by the report are correct and this are constructed by the report are correct and this are constructed by the report are correct and this are constructed by the report are correct and this are constructed by the report are correct and this are constructed by the report are correct and this are constructed by the report are correct and this are constructed by the report are constructed by the report are correct and this are constructed by the report are constructed by the re
	• ,
Typ	e Code Symbol Stamp NA
C	rificers of Asprovizzion No. NA Expiration Date NA
Car	· 19 -
Sign	med Milling Date 1-21 :19 85
	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	ne undersigned, molding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sti
	Province of PENNA and employed by ARKWRIGHT BOSTON MEGES MUTUAL INS. CO.
	THAM MASS: "have inspected the components describe this Owner's Report during the period TUNE 10, 1983 to SEPT. 13, 1983, and state to
	this Owner's Report during the period JUNE 10,1785 to SEPT-13,1785, and state to the best of my impowedge and belief, the Owner has performed examinations and taken corrective measures described in the best of my impowedge and belief, the Owner has performed examinations and taken corrective measures described in the best of my impowedge.
•	ner's Report in accordance with the requirements of the ASME Code, Section XI.
l	By signing this corplicate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
ехэ	minations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employ
shak	If be liscue in any manner for any personal injury or property damage or a loss of any kind arising from or connected with t
, snæ	pection,
	FACTORY MUTUAL SYSTEM .
ω	Commissions PA 2204 National Board, State, Province, and Endorsements
ω	Commissions PA 2204 **********************************
<u>m</u>	Commissions PA 2204 National Board, State, Province, and Endorsements 19.85

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	1.	Owner Pennsyl	vania Power 8	& Light Co.		Date April 1	, 1986		
K či			Name st. Allentown			Sheet 1	of_1	•	
34			Address nna Steam Ele Name			Unit 2			
***			Berwick, PA			WA U-336	563		
i	3.	Work Performed by			**************************************	Type Code Symbol	Stamp		etc.
				Name		Authorization No.			
			Address	····		Expiration Date		N/A	
44	4.	Identification of Sy	nem Residual	Heat Remo	val - Syst	em 49A - Cla		1516-1	
*	5.	(a) Applicable Cons	struction Code AS		Edition.	Winter 180			Code C
Ž			ion of Section XI Ut						
ŤĽ.	6.	Identification of Co	mponents Repaired	or Replaced and R	Replacement Con	nponents			
ès M					*or##			Repaired,	ASMI Code Stampo
*		Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced, or Replacement	(Yes
		Valve Disc 4" 300#	Anchor Darling	2	N/A	HV251F040	1982	Replacemen	t NO
it.	Г	Valve Disc 4" 300#	Anchor Darling	. R398	N/A	HV2 ³ 51F040	1975	Replaced	NO
x									
**			ł	1		Ì	ł		}
		Description of Work	Replaced di	sc in valve	∍ HV-251F0	40			
"aţ	7.								
		Tests Conducted:	Hydrostatic Prossure		minal Operating Test Temp				

Page 69 of 288

	* ~	
	₹.	118 N-7 DATA DEPORT ATTACHED
	141	9. Remarks N-Z DATA REPORT ATTACHED
	ત્રું. પ્રા	Applicable Manufacturer's Data Reports to be attached
	å R	
	A.	
	te.	
		CERTIFICATE OF COMPLIANCE
`•		We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
^		ASME Code, Section XI. repair or replacement
ク	*	, w
		Type Code Symbol StampN/A
	ş	Certificate of Authorization No. N/A Expiration Date N/A
	•	CADIFICION DELE
•		Signed Owner or Owner o Designey Title Superintendent of Plant April 1 , 19 86
~•	» ta	
^	Ā	CERTIFICATE OF INSERVICE INSPECTION
		I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessal Inspectors and the State or Province of PENNAand employed by ARKWRIGHT BOSTON MEGRS. MUTUAL THS. Coof
~ 1	100	or Province of TENNA. and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL LIKS, Co., of WALTHAM MASS. have inspected the components described
~ .	W.X.	in this Owner's Report during the period Aug. 23 1983 to Aug. 26, 1983, and state that
~~		to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
7	uite ,	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
٠,		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 SYSTEM
	ખ્ય	William R. Rogen III Commissions NB 7980 PA 2204 NIBSING National Board, State, Province, and Endorsements
	*	Inspertor's Signature National Board, State, Province, and Endorsements
	↔	Date APRIL 28 1986
	ديدا	Data T. F. C.

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1. Owner Penusy	Vaula Pawer	& Light	۷۵.	Date 12/31	185 0	
Two No. 4	14 St., Allento	wa , PA 18	1101	Sheet	of	
2. Plant <u>Susqueh.</u>	anua Steam	Electric 4	+41~1	Unit 2		•
- 1\ 1 \ 1	Name	L n/l	טיאַ	Work Autho	a za kin	11-2409
17.0. Bak	467, Bern	121 , 174 , 1	<u> </u>	Repair Orga	nization P	.O. No., Job No.,
3. Work Performed by	1 OWNER	Name		Type Code Symbol	Stamp	V/A
		Hattie		Authorization No., Expiration Date		
У	Address	υ ι Δ.				
.4. Identification of Sy			•			15/6-1,
5. (a) Applicable Con	struction Code ASI	ME 111 19	71 Edition	W772 P	Addenda,_	· **///- - ,
(b) Applicable Edi	tion of Section XI U	tilized for Repairs	or Replacement	19 80/ Winter	- 180	JCB 1/2
자 6. Identification of Co	ampagasa Bagairad	or Booleand and S	Pontosomont Co			
Z	omponents repaired		tepiacement co		- ,	
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	,		Mada-al	, <u>\$</u> .	,	Reneired
Name of	Name of 4	Manufacturer	National Board	Other	Year	Repaired, Replaced,
Component	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built	1 '
Component	Manufacturer	Serial No.	Board			Replaced,
RHR Orthogra	Manufacturer	Serial No.	Board			Replaced,
Component	Manufacturer	Serial No. S/N # 1 HT#226328 S/N # 9	Board No.	Identification	Built 83	Replaced, or Replacement
RHR Orthugh) Znjechog Vylve	Anchor Parling	Serial No. S/N # 1 HT#224328	Board No.	HV 251 Fol7 B	Built	Replaced, or Replacement
RHR Orthugh) Znjechog Vylve	Anchor Parling	Serial No. S/N # 1 HT#226328 S/N # 9	Board No.	HV 251 Fol7 B	Built 83	Replaced, or Replacement
RHR Orthugh) Znjechog Vylve	Anchor Parling	Serial No. S/N # 1 HT#226328 S/N # 9	Board No.	HV 251 Fol7 B	Built 83	Replaced, or Replacement
RHR Orthugh) Znjechog Vylve	Anchor Parling	Serial No. S/N # 1 HT#226328 S/N # 9	Board No.	HV 251 Fol7 B	Built 83	Replaced, or Replacement
Component RHR Orthograp Entreched Valve	Anchor Parling	Serial No. S/N # 1 HT#226328 S/N # 9	Board No.	HV 251 Fol7 B	Built 83	Replaced, or Replacement
Component RHR Orthuny) Snyection Valve	Manufacturer Anchor Parling	Serial No. S/N # 1 HT#124328 S/N # 9 H+ # 14-	Board No.	HV 251 Fol7 8	Built 83	Replaced, or Replacement

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

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	FORM NIS-2 (Back)
۵	Remarks See Attached Manufacturers Data Report
9.	Applicable Manufacturer's Data Reports to be attached
	•
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l	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>repair or replacement</u> conforms to the rules of the
Ì	ASME Code, Section XI.
	ve i A
١	Type Code Symbol Stamp
	Certificate of Authorization No. N/A Expiration Date N/A
	Certificate of Authorization No. N/M Expiration Date ///
	Signed Thorizo M (Summer). Date Ju 2 19 56
L	Owner or Owner's Designed, Title Superintendent of Plant
Г	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL INS. Co.
	WALTHAM, MASS. have inspected the components described
	in this Owner's Report during the period DEC. 16, 1983 to JAN. 17, 1984, and state that
ı	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in thi
	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
l	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 employee
	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi
-	inspection. FACTORY MUTUAL SYSTEM
Ì	William R. Rogers III Commissions NB7980 PA2204 NIBSIS
	Ingector's Signature Commissions National Board, State, Province, and Endorsements
ı	
I	Date JAN. 3 19.86

(12/82)

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. OWNER PENNSYLVANIA Berwick OWNER Type Code Symbol Stamp_ Work Performed by_ NA Authorization No. __ . 1 Expiration Date_ 4, Identification of System, 1622 1516-1 Addende, 1567 1335-9 5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 (b) Applicable Edition of Section XI Utilized for Repairs or Replecements 19.80 W80 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Stamped Repaired, National Replaced, (Yes Name of Manufacturer Roard Year Name of Other or Replacement or No) Serial No. Component Manufacturer No. Identification Built PACIFIC N/A Repaired 0119-6 251F0318

7,	Description of Work	ADDED PERMANENT LIFTING LUGS TO VALVE BONNET
	Tests Conducted:	Hydrostatic Pneumatic Nominal Operating Pressure
	*	Other, Pressure 280 psi Test Temp. N/A F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% in. x 11 in., (2) informastion 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,

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FORM NIS-2 (Back)
9. Remarks <u>N/A</u>
Applicable Manufacturer's Data Reports to be attached
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·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repaired conforms to the rules of the
ASME Code, Section XI.
Admin dead, and the second sec
y ·
Type Code Symbol Stamp N/A
Ab V ab A
Certificate of Authorization No. N/A Expiration Date N/A
Signed November 7 , 19 86
. Owner or Owner's Designee, Title Supt of Plant
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Tor Province of PENNA. and employed by AREWRIGHT BOSTON MEGES, MUTUAL INS. Ca of
WALTHAM MA have inspected the components described
in this Owner's Report during the period Tuly 23, 1986 to See, 19, 1986, 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, ± coressed 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 MITTIAL SYSTEM
William R. Poquette Commissions ITB7 230 PA2204 IIIBS IS Inspector's Signature Commissions INB7 230 PA2204 IIIBS IS
Inspector's Signature National Board, State, Province, and Endorsements
Date Nov. 12 1986

534.

FURM MIS-2 UMMER 3 REPURT POR REPARTO OR REPERCEMENTS As Required by the Provisions of the ASME Code Section XI 1. OWNER PENNSY (VANIR v 63110 Berwick Repair Organization P.O. No., Job No., etc. 3. Work Performed by__ OWNER Type Code Symbol Stamp_ Authorization No. -Expiration Date 7-49A 42º Identification of System 5.**(a) Applicable Construction Code <u>Alsme</u> . Total _19*__7/*__ Edition.__ ・いノこ Addenda. (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 30 105/ 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired, Stamped National Replaced. (Yes Name of Name of Manufacturer Board Other Year Component Manufacturer Serial No. or Replacement or No) No. Identification Built ANCHOR DARLING E5854~W-1 7. Description of Work Tackwell Hydrostatic Pneumatic Nominal Operating Pressure 8. Tests Conducted: Other Pressure 288 psi Test Temp. N/12 'F

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

(12/82)

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	FORM NIS-2 (Back)
•	
•	Remarks N/A Applicable Manufacturer's Data Reports to be attached
	Applicatie Manufacturer a Data Meporta to de attached
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•	•
_	APPENDIA TO COMMINANCE
	CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Refair conforms to the rules of the
	ASME Code, Section XI.
	Value 4000) 400 in
•	Type Code Symbol Stamp_N/4
(Certificate of Aothorization No. N 4 Expiration Date N/4
	Signed November 7 19 86
,	Owner or Owner's Designee, Title Supt. of Plant " M
_	<u> </u>
_	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Prassure Vessel Inspectors and the State
	or Province of PENNA and employed by ARK WEIGHT BOSTON MIFGES. MUTUAL THS. Co. of
	WALTHAM, MA. have inspected the components described
	in this Owner's Report during the period Aug. 19, 1986 to Sep. 25, 1986, 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 king arising from or connected with this
	inspection. FACTORY MUTUAL SYSTEM
	1.14. O D
1	William R. Pogles III Commissions NB7980 PA2204 NIES IS InspectA's Signature National Board, State, Province, and Endorsements
	William R. Poglis III Commissions NB7980 PA2204 NIES IS Inspecyal's Signature Commissions National Board, State, Province, and Endorsements
	Date Nov. 10 19.86
	Date_Nov. 70

					() 	
Owner PONUSU	Within Paint	AND Light	- Co.	Date			
	ST. RIEN	V .		Sheeto	·	······································	
Plant <u>Suzauch</u>	MWA STEAM	Harrie	STATION	Unit	•		
9.0. Box i	157 Bern Address	sick PA	18603	WA.	V6.	3 1 1 1 3 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1	etc.
Work Performed to	, owner			Type Code Symbol :			
Work Performed by		Name		Authorization No			
				Expiration Date		NA	
	Address						
Identification of Sy	stem_*RHR_					2-49A-	<u> </u>
	. 0-				12	516-1 4 1534	
(a) Applicable Con	struction Code_/65/	ne 1/1 19.	Edition,	W72 A	ddenda,	DOM 10-24-86	Code Car
(b) Applicable Edit	tion of Section XI Uti	lized for Repairs	or Replacement	19 80 m8/			
Identification of Go	omponents Repaired o	or Replaced and H	epracement Cor	mponents	`		ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped (Yes
12110 Oiso	VULCAN STeck	R480	NA .	HVENZFO24B	1977	Replaces.	Y
plie Disc	ANCHOR -	1		HVEILAFOX48			11
•	, , , , , , , , , , , , , , , , , , ,						
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				150			
	Replace Disc			Tack weld	:5·F@	m NUT	To 8
	Hydrostatic Pn	eumatic 🗀 No	minal () navetini				

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{12/82}

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76	FORM NIS-2 (Back)
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9.	Remarks N-Z- OATA Report ATTAChed
,	Applicable Manufacturer's Data Reports to be attached VAIVE 5W E5854 - 62-2
'n	VAIVE SIN EDEST - 62-2
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Γ	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
١.	ASME Code, Section XI. repair or replacement
,	Tri
	Type Code Symbol Stamp NONE
ŀ	Type Code Symbol Stamp // V.y.g
5	Certificate of Authorization No. NA Expiration Date NA
-	Signed Owner or Owner's Designee, Title Suptrof Plant
L	Owner or Owner's Designee, Title Supt of Plant
٦	CERTIFICATE OF INSERVICE INSPECTION
ينا	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of PENNA. and employed by ARKWPIGHT BOSTON MEGRS. MUTUAL INS. Ca of
-	WALTHAM MA have inspected the components described in this Owner's Report during the period Aug. 29, 1986 to SEP. 24, 1986, and state that
	in this Owner's Report during the period Aug. 29, 1986 to SEP. 24, 1986, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
ľ	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
ä	inspection. FACTORY MUTUAL SYSTEM
غة -	William R. Rosecott Commissions NB7930 - PA2204 NIBS IS
	Use K. Korgeo W. Commissions NB7980 PA2204 NIBS IS Inspector's Signature Commissions National Board, State, Province, and Endorsements
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ľ	Date No. 1.8 19.86

				AIHS OR REPLA ASME Code Sectio		age 18	ef 28
3. Work Performed by 4r. Identification of Sy 5r. (a) Applicable Con	ST., Allewing Address Annua Steam Name Berwick Address Address Address Stem RHR struction Code ASm	Pa 196 Name	1910 (5777 Trau)		nization P	23112 .O. NO., JOB NO., NA NH NA 2-49A-	•tc.
(b) Applicable Edit 6. Identification of Co	ion of Section XI Uti	·	,			ď	•
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
*MAIN DISC	ARMCO TAX TARGET BOOK	Ni# 1487	N/A	50-22360A	İ	1 '	Y
× ,			N/d	30 - 20 37 174	11,86	Kep Mement	
NOTE: Supplement	Hydrostatic Pressure Other Pressure tal sheets in form of	TO BOLLIVET OF PAINTERS PAINT	minal Operating Test Temp. r drawings may t	Pressure	EXEN	in. x 11 in., (2) in	Perdy
(12/82)	This Form (E00030) may be obtaine	ed from the Orde	er Dept., ASME, 345	E. 47th S	t., New York, N.1	10017

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Page 79 of 288

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FORM NIS-2 (Back)
9. Remarks N-Z DATA REPORT ATTACHED
Applicable Manufacturer's Data Reports to be attached
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Reeliscement</u> conforms to the rules of the
ASME Code, Section XI.
Type Code Symbol Stamp_NONE
Certificate of Authorization No. NA Expiration Date NA
Signed November 7 19 86
Owner or Owner's Designee, Title Supt. of Plant
335, 33. 1 // 1. 1
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Prassure Vessel Inspectors and the State
or Province of PENNA and employed by ARKWRICHT BOSTON MECES. MUTUALINS. Ca of
MALTHAM, MA. have inspected the components described
in this Owner's Report during the period Jul. 14,1986 to Oct. 7, 1986, 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 MUTITAL SYSTEM
•
Commissions NB7980 PA2204 NIBS IS Inspector's Signature Commissions National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date_Nov1719.86
Date_17_0.V1719_86

1. Owner Powsylvein Rever Ann Light Co. Name 2. About 9th St. Minimum B. 1801 2. Plant 345-puchasur Steere Station Name P.O. Bou 467 British Reverse Station Name P.O. Bou 467 British Reverse Station Name Address 4. Identification of System PHR Station Page Code Symbol Stemp Address 4. Identification of System PHR Station Date Address 4. Identification of Components Repaired or Replaced and Replacements 1920 w21 3. Identification of Components Repaired or Replaced and Replacement 1920 w21 3. Identification of Components Repaired or Replaced and Replacement Components Name of Component Manufacturer Serial No. No. Identification Built or Replacement Or No. No. Identification of Page Code Case Name of Name of Name of Namufacturer Serial No. No. Identification Replaced or Replacement Or No. No. Identification Replaced or Replaced. If Year Identification Replaced. If Year Identification Identification Replaced. If Year Identification Iden		As Requi	red by the Prov	visions of the A	ASME Code Section	n XI	Page . B) of i
2. Plant							1	0
Post State	1. Owner <u>Pewsylvi</u>	ANIA FOWER AT	va light G	2	Date	86		
## Page 1 Page 1 Page 2 Page 2 Page 3	a Abrid 9rd	ST. Allenn	mun Pa.	18101	Sheeto	1		
Work Performed by Name N								·
Address Identification of System AHR Identification of System AHR Identification of System AHR Identification of System AHR Identification of Components Repaired or Replaced and Replacements 19% out Identification of Components Repaired, Replaced, Identification of Component Manufacturer Board Other Year Replaced, Identification Built or Replacement or No. Name of Name of Manufacturer Serial No. No. Identification Built or Replacement or No. MAIN DISC PRINCO TAK NIA NIA SY-223608 1932 Redinger Year Replacement or No. Description of Work Repaired bed! To bould to Main American Ame	P.O. Box 48	Address	FA 186	03	Repair Organ	N&3//. nization P.	3 O. No., Job No.,	etc.
Address Identification of System AHR Identification of System AHR Identification of System AHR Identification of Components Repaired or Replaced and Replacements 1930 w3/ Identification of Components Repaired or Replaced and Replacement Components Name of Name of Namufacturer Board Other Year Replaced, Tyes Or Replacement Stamped (Yes) Name of Manufacturer Serial No. No. Identification Built or Replacement or No. MAIN DISC PRINCE TO NO. NAME Code Case Repaired, ASME Code Repaired, Replaced, Tyes Or No. NAME Code Case Repaired, ASME Code Replacement or No. NAME Code Case Repaired, ASME Code Test and Identification Built or Replacement or No. NAME Code Case Repaired, ASME Code Repaired, Tyes Repaired, Tyes Or No. MAIN SY- 223608 1932 Red n. e. Y MAIN SY- 223608 1932 Red n. e. Y MAIN DISC TATELLA REPAIRED Y MAIN DISC TATELLA REPAIRED Y Description of Work Length Exit To bounded to Main Operating Pressure AF EX EMPT Other Pressure Pair Test Temp. Pair Test Temp. FEX EMPT 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.	Whek Performed by	DUNEC			Type Code Symbol	Stamp	NA	
Address Expiration Date Ath	, work remonited by		Name					
Identification of System RHR 2-49A-11							_	
(a) Applicable Construction Code (15mc = 19 Size Edition,		Address						
(a) Applicable Construction Code (15.00 = 19	. Identification of Sy	stem_RHR					2-491-	<i>II</i>
Name of Component Name of Manufacturer Serial No. National Board Other Year Replaced, Or Replacement (Yes or No.) MANUSCOTTAN NIA NIA SY-223608 1922 Redicted (Yes or No.) Description of Work Remain body To bound weld, Reserved Replacement Y Description of Work Remain body To bound weld, Reserved Replacement Y Tests Conducted: Hydrostetic Pneumatic Nominal Operating Pressure Exempt Other Pressure psi Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.	(b) Applicable Edit	ion of Section XI Uti	lized for Repairs	or Replacement:	19 <u>X0 W8/</u>	ddenda,		Code Case
Description of Work Renaire badi To bowlet weld, Ranck Tattervals, Romanner Y Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Extempt Other Pressure psi Test Temp. F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.	-		Manufacturer	Board		Built	Replaced,	Code Stamped (Yes
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Description of Work Renate bedt To brunet weld, Round Totternals, Roins mile Brune. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Extempt Other Pressure psi Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.								
Description of Work Remaile bodi To bruseT weld, Remail Totals, Rower Bruse. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other Pressure psi Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.				,			ļ	
Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure EXEMPT Other Pressure psi Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.		*		-			. ,	
Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure EXEMPT Other Pressure psi Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.		· · · · · ·		-,			l	
tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.	Tests Conducted:	Hydrostatic Pressure_	eumatic No	minal Operating Test Temp.	Pressure 🔲 🛮 🖾	EXEM	PT	
This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017	tion in items 1 thro	ough 6 on this report					• • •	
	2/82)	This Form (E0003	0) may be obtain	ed from the Ord	er Dept., ASME, 345	E. 47th S	t., New York, N.	r. 10017

Page 81 of 288

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PORIVI IVIS-2 (Datk)
39. Remarks N-Z DATA REPORT ATTACKED
Applicable Manufacturer's Data Reports to be attached
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1
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this REPARENT conforms to the rules of the
ASME Code, Section XI. repair or replacement
Type Code Symbol Stamp NONE
Certificate of Austrolization No. NA Expiration Date NA
Managhar 7 86
Signed
Supt. OF Flant
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PGNNA. and employed by ARKWRIGHT BOSTON MPGES, MUTUAL INE Coof
MACTHAM, MA. have inspected the components described in this Owner's Report during the period Jul. 14, 1986 to Oct. 6, 1986, 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 SYSTEM
NIBS IS
Uilliam R. Rogers III Commissions NB7980 PA2204 NIBS IS Inspector Signature National Board, State, Province, and Endorsements
inspectors Signature Wational Board, State, Province, and Endorsements
Date Nov. 17 19.86
19.90
(12/82)

	ST. Allento Address Channa Ste	L		Unit 2	•		
					V 631	60	
10. DOX 70	7 Berwie	<u> </u>	0003			_	etc.
Vark Performed by	OWNER	Neme		Type Code Symbol : Authorization No	Stamp	NA NA	
	Address			Expiration Date			
dentification of Sys				·	2-	49A- TI	
	. 5 64 -2 4.76 -	" 4	Moderat		•	Repaired.	ASME Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yeer Built	Replaced, or Replacement	(Yes
	ANCHOR	E5854 -					l v
ck valve	DAELING ANCHOR	69-2 E5854 -	. NA `	251F046A	1976	Relaired	<i>J</i>
ct Valve.	DARTING	69-1	NA ·	251F0467C	1976	RePAIRED	Y
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y to shake set			*	i (.w.			
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escription of Work	Tack weld AN	o Fillet weld	1 VAIVE HI	ine support bro	icket,	CAP SIEW, A	NO SET
	Hydrostatic Prossure_		minal Operating				
		<i>∞(20</i> nei	Test Temp	<i>!</i> F		•	

: Page 83 of 288

FORM NIS-2 (Back)
9. Remarks NA
Applicable Manufacturer's Data Reports to be attached
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<u>x</u>
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this ROPAIR conforms to the rules of the
ASME Code, Section XI.
Admir Gode, decision Att.
31/1
Type Code Symbol Stamp N/A
$\mathbf{u}(\lambda)$
Certificate of Authorization No. 1974 Expiration Date 1974
Signed November 7 19 86
Owner or Owner's Designee, Title - Supt. of Pant - A
CERTIFICATE OF INSERVICE INSPECTION
), the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
g or Province of Penna. and employed by AREWRIGHT Boston Meges. Mutual Ins. Co. of
WALTHAM MA. have inspected the components described
Fin this Owner's Report during the period Tue: 14, 1986 to Sep. 16, 1996, 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 asset as severe the Inspector nor his employer makes any warranty, a spressed 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 SYSTEM
William R. Progesoff Commissions 1737830 PA2204 NIBS IS
Commissions National Board, State, Province, and Endorsements
Date_Nov. 12 19.86

7. Description of Work Tack weld AND FILLET	weld the value	Disc Support	bracket, LAP SCIEW,	AND SET	Screw
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8.	Tests Conducted:	Hydrostatic Pneumatic	: 🔲 Nominal Operating Pressure 🔀
		Other Pressure 380	psi Test Temp. N/d

#NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

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

Page 85 of 288

FORM NIS-2 (Back)
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9. Remarks NH Applicable Manufacturer's Data Reports to be attached
Application in an area naports to be established
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this RePair conforms to the rules of the
ASME Code, Section'XI.
Type Code Symbol Stamp N/A
* Certificate of Authorization No. 11/4 Expiration Date 11/4
8. Signed November 7 19 86
Owner or Owner's Designee, Title Supt. & Plant
7
CERTIFICATE OF INSERVICE INSPECTION
👫 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA. and employed by ARKWEIGHT BOSTON MEGES MUTURE INS. Co. of
MALTHAM, MA. have inspected the components described in this Owner's Report during the period Tul. 14, 1986 to SEP. 18, 1986, and state that
in this Owner's Report during the period 104.14,1986 to SEP. 18,1986, 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 SYSTEM
TOROGO TAGOS AND TO
Inspectal's Signature Commissions NB7980 PAZZ(IA NIBS IB National Board, State, Province, and Endorsements
© Date Nov. 12 19.86
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FORM NIS-2 O	WNER'S REPO	RT FOR REF	PAIRS OR REPLA ASME Code Section	CEMEN	igh Re o	J 28
IVANIA POWCE NAME ST. AlleNTO Address T BERWIC OWNER	FWN PA. AMD Light FWN PA. Am Flectic K PA. I	Co. 18101 STATION 8603	Date	5-86 of	74 .O. NO., JOB NO., NA NA	etc.
struction Code <u>ASM</u> ion of Section XI Uti	16 III 19_	71 Edition, or Replacement	W 72			
Name of Menufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ITT GRINNEL	GBB 204-4 Weld 2C	N/A	N/A	1984	Refaired	Y
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	Name of Manufacturer Name of Manufacturer Name of Manufacturer Remove I	Name of Manufacturer Serial No. Name of Manufacturer Serial No. Name of Manufacturer Serial No. Remove ISI INDICE Remove ISI INDICE Name Provided the Provided Serial No.	Name of Manufacturer Serial No. No. No. Remove ISI INDICATIONS Hydrostatic Pneumatic Nominal Operating	As Required by the Provisions of the ASME Code Section IVANIA POWCE AND Light Co. Name ST, Allentown Pa. 18101 Sheet 1 Address PANNA STEAM Flectric STATION Name 7 Required Pa. 18603 WA Received Pa. 18603 Type Code Symbol Name Address Stem RHR Ping B Loop Struction Code ASME III 19 71 Edition, W 72 Address Struction Code ASME III 19 71 Edition, W 72 Address Struction XI Utilized for Repairs or Replacements 19 80 WB1 Imponents Repaired or Replaced and Replacement Components Name of Manufacturer Board Other Manufacturer Serial No. No. Identification ITT GRINNEL Weld 2C N/A N/A Remove ISI INDICATIONS BY Mechan As Required by the Provisions of the ASME Code Section XI VANIA Power AND Light Co. Date 17 - 5 - 8 Code ST. AlleNTEWN PA 18 19 18 19 18 19 19 19	VANIR POWER AND Light Co. Date 17-5-86 Share St. Allentown Pa. 18101 Sheet I of I Shanna Stram Fectric Stritch Unit 2 Shanna Stram Fectric Stritch Unit 2 Paguick Pa. 18603 Wa V64274 Required Page Page Page Page Page Required Page Page Page Page Stem RHR Ping B Loop 2-49A - Ti Struction Code Asme	

= Page 87 of 288

FORM NIS-2 (Back)

9. ARemarks - N/A- 4021-5-87 NCR-86-1244
Applicable Manufacturer's Data Reports to be attached
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<u>}</u>
₹
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repeat conforms to the rules of the repair or replacement. ASME Code, Section XI.
Type Code Symbol StampNONE
Certificate of Authorigation No.
$\mathcal{L}_{\mathcal{A}}(\mathcal{A})$
Owner's Designee, Title Supt of Plant November 7 , 19 86
Supt. of Plant V
CERTIFICATE OF INSERVICE INSPECTION
If the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State for Province of PENNA. and employed by ARKWRIGHT BOSTON MEERS. MOTUAL INS. Co. of
MALTHAM MA have inspected the components described
s'in this Owner's Report during the period AUG. 6, 1986 to AUG. 13, 1986, 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, ne ther the Inspector nor his employer
shall be 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
William R. Poque III Commissions NB7980 PA2204 NIBS IS
William K. Kogio III Commissions NB7980 PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements
· ·
Date

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS · As Required by the Provisions of the ASME Code Section XI Berwick Repair Organization P.O. No., Job No., etc. NA OWNER Type Code Symbol Stamp_ Work Performed by NA. Authorization No. .. Expiration Date_ Address RHR 4. Identification of System_ 5. (a) Applicable Construction Code ASme III 19 71 Edition. (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 30 LUE/ 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Stamped Repaired, National Repleced, (Yes Name of Manufacturer Board Other Year Name of or Na) or Replacement Manufacturer Serial No. No. Identification Built Component GB8-215-1 RePaired I'TT GRINNEL N/! 1984 weld 3A N/11 .. GBB -215-1 NIA Relaired NIA weld 3A CBB 209-1 Weld 117 GBB · 209-H21 NA NIA RePAIRED 1984 No Bechrel NIA

7.	Description of Worl	Remove	IST	INDICATIONS	by med	how.iAL	MEANS	
8.	Tests Conducted:			Nominal Operating i	. —	Ø NONE		
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FORM NIS-2 (Back)

In the state of th
Applicable Manufacturer's Data Reports to be attached
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Kepsik</u> conforms to the rules of the
ASME Code, Section XI.
. 1 .
Type Code Symbol Stamp M/A
Certificate of Authorization No. NA Expiration Date NA
Certificate of Authorization bio.
Signed Oate November 7 19 86
Owner or Owner's Distance, Title Supt. of Plant
CERTIFICATE OF INSERVICE INSPECTION
\$1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
For Province of PENNA. and employed by ARKWRIGHT BOSTON MFGRS. MUTUAL INS. Co. of
WALTHAM MA. have inspected the components described to CT- 26, 1986 to CT- 27, 1986, and state that
in this Owner's Report during the period <u>CCT- 26, 1986</u> to <u>OC+ 27, 1986</u> , 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, akoressed 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 SYSTEM
William R. Rogers III Commissions NB7980 PA2204 NIBS IS
Commissions NB7980 PA2204 NIES IS Inspector's Signature Commissions National Board, State, Province, and Endorsements
Oate Nov. 12 19.8.6
Date_V-V- / 2 19.66

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI Fage 90 of 288

	IVANIA POWEL			Date	,		
North 9th	ST. AlleNTO	FWN PA.	18101	Sheet	1		
Plant SUS PVE	CHANNA STE	Am Electric	STATION	Unit			
	7 Berwice			<u> </u>	V648	0. No., 100 No.,	
				Repair Orga Type Code Symbol		_	ite.
Work Performed by	_OWNER	Name		Authorization No.		NA	
	Address			Expiration Date		NA	
Identification of Sy	`		·			7-49A.	- <i>I</i> II
		a - 	71		44	A2/e2	C. 4. C.
(a) Applicable Con: (b) Applicable Edit	struction Code_ <u>_/f5/</u> ion of Section XI Uti	lized for Repairs	Edition, or Replacement	W > 3 A	.doenas,		Code Cas
(b) Applicable cult	ion of section at other	need idi iiepeniy					
Identification of Co	mponents Repaired o	or Replaced and P	laplacement Co	mponents			
					* .		ASME Code
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other	Year Built	Repaired, Replaced, or Replacement	Stamped (Yes or No)
MECHANICAL	PACIFIC	*11 2 / 2 /	- 31/0	GBB - 215 H15		0 - 0	41
<u>SitočK***</u> nechanicaL	SCIENTIFIC PACIFIC	13621	N/A	384-215		Replacement	14
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	Hydrostatic Procesure	eumatic No	minal Operation Test Temp	g Pressure 🔲 🏻 🔯	1 None		
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Page 91 of 288

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Remarks <u>h</u>	V∕A AD	pilcable Manufacturer's Data	a Reports to be attached	v
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<i>".</i>				
We ASME Code,	certify that the statements made	CERTIFICATE OF COMPL in the report are correct and		forms to the rules of the
Signed	authorization No. NA	Supt. of Plant	xpiration DateN/A	, 19_86
	ned, holding a valid commission	RTIFICATE OF INSERVIC	rd of Boiler and Pressure Vesse	
WALTHAM in this Owner to the best of Owner's Repo	PENNA. and n., MA.* 's Report during the period of my knowledge and belief, the ort in accordance with the require this certificate neither the Insp	Oct. 24, 1986 Owner has performed examements of the ASME Code, S	have inspected the to Oct. 26, 1986 inations and taken corrective of Section XI.	e components described, and state that measures described in this
	and corrective measures describ in any manner for any personal		· · · · · · · · · · · · · · · · · · ·	om or connected with this
	Inspector y signature	Commissions <u>N</u> ;	B7980 PA2204 National Board, State, Provin	NIES IS
1/82)	12 19.86			•

1. Owner <u>Fenusy</u> 2 No. 9th				Date 12/36	•		-
2. Plant Susgueh				Unit 1		3	
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P.O. Box 41	Address	t, PH 180	.03	W.A. U-3	nization P	P.O. No., Job No.,	etc.
3. Work Performed by	Buner			Type Code Symbol			
,		Name	·	Authorization No.,	<u> </u>		
	Address			Expiration Date	v/A		
4. Identification of Sy	مراران ع (ا	Heat	Demoval	- Suctem	49 B-	Cluce 2	
4. Identification of Sy	stem_15651094	1	74 (LCB	- system 112186) '75 () Winter 30	(B 1 2)	36)	
5. (a) Applicable Con	struction Code_AS	ME III 19	ध्रेष्ठ Edition,	Winter 100	Addenda,_	NIA	_Coc
(b) Applicable Edit	tion of Section XI U	tilized for Repairs	or Replacement	us 19 83/ Winter	- 180.		
6. Identification of Co	omponents Repaired	or Replaced and R	leplacement Co	mponents			
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Name of	Name of	Manufacturer	, National Board	Other	Year	Replaced,	Sta
Name of	Name of Manufacturer	Manufacturer Serial No.		ı.	Year Built	1 '	A C Sta (
3. Component	1		Board	Other		Replaced, or Replacement	Sta
Component Pro. Rad Shaple	Manufacturer Taract		Board No.	Other Identification	Built	Replaced, or Replacement	Sta (
3. Component	Manufacturer	Serial No.	Board	Other		Replaced,	Sta (
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Component Pro. Rad Shaple	Manufacturer Taract	Serial No.	Board No.	Other Identification	Built	Replaced, or Replacement	Sta
i Component Pro. Rad Sumple Sylena. J Uulue	Manufacturer Taract Rock	Serial No. 75 KK - 203 - 7	Board No.	SVISIFOEL A	Built	Replaced, or Replacement	Sta
Component Pro. Rad Shaple	Manufacturer Taract Rock	Serial No. 75 KK - 203 - 7	Board No.	SVISIFOEL A	Built	Replaced, or Replacement	Sta

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tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is

- Page 93 of 208

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	FORM NIS-2 (Back)
}; "- 0	Remarks N/A
- 9. %L	Applicable Manufacturer's Data Reports to be attached
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٦.٢	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this repair conforms to the rules of the
	ASME Code, Section XI. repair or replacement
٠,	
'	Type Code Symbol Stamp
.	
^	Certificate of Authorization No. N/A Expiration Date N/A
	Signed Thomas M (Date) Date 19 \$6
L	Owner of Owner's Periode Airle Of Plant
_ [CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
"	or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGRS, MUTUAL INS. Co. o
	WALTHAM, MASS. have Inspected the components described
	in this Owner's Report during the period Oct. 4, 1983 to Oct. 7, 1984, 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 employed
- 1	shall be 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
2"	William R. Rogers III Commissions NB 7980 PAZZO4 NIBSIS

FORM NIS-2 OWNER S REPOR'T FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner PRINSYIVANIA Unit 3. Work Performed by Type Code Symbol Stamp. Authorization No. -Expiration Date_ Address Identification of System RHR 5. (a) Applicable Construction Code ASME "TIL _19__7/_ Edition. (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W 81 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Stamped Repaired. National (Yes Name of Name of Manufacturer Replaced, Roard Year Other or No) Component Manufacturer Serial No. or Replacement No. Identification Built NIA YARWAY ReplaceD 3F1061 1978 GRINGING 7. Description of Work Remove cleck value by 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% in. x 11 in., (2) informe-

(12/82)

recorded at the top of this form.

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tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is

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Page 95 of 288

FORM NIS-2 (Back)
9. Remarks A/- 2 DATA REPORT ATTACKER
Applicable Manufacturer's Data Reports to be attached
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CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
ASME Code, Section XI.
Type Code Symbol Stamp_NONE
Certificate of Authorization No. N/A Expination Date N/A
Mayorhar 14 86
Signed Owner or Owner's Designee, Titley Supt. of Plant
OSBITISIOATS OF INSERVICE INSERVICE
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA. and employed by ARKWEIGHT BOSTON MFGRS. MUTUAL INS. (3. o have inspected the components describe
WALTHAM M4. have inspected the components described in this components, seeing the period Aug. 12, 1986 to Aug. 17, 1986, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in thi
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 employe
shall be 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
NIBS IS
Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date Nov. 19 19.86
Late 177 17 19 C.B.

Owner ALNNSY!	VANIA - Awer	AND Light	Co	Date <u>/ スー ゲ</u>	- 86	0	
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P.O. Ber 4	17 Restu	ick Pa.	18603	Repair Organ	V44	963 0. No., Job No ,	otc.
Work Performed by	owner	Name		Type Code Symbol			
•		4		Authorization NoExpiration Date			
	Address		•				
Identification of Sy	stem RHK		·			-498 - :	
(a) Applicable Cons	truction Code <u>Him</u>	10 III 19	80 Edition,	WEC A	ddenda,	NA_	Code Case
(b) Applicable Edit	ion of Section XI Ut	ilized for Repairs	or Replacement:	19 <u>% (()) 1</u>			
		Dania	Nacharamana Car)	
Identification of Co	mponents Repaired	or Replaced and F	lepiacement Cor	nponents			ı
. 1							ASME Code
			National]		Repaired,	Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	or No)
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Disc Assemble		NIA	NA	SV-2F1USA	1982	Replacen	<u>' Y</u>
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	Hydrostatic Prossure_		minal Operating Test Temp	Pressure 🔲 📈 🗵	XEMP	Γ	
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	tal sheets in form o	f lists sketches o	r drawinos may	be used, provided (1)	size is 8%	in. x 11 in., (2) i	nforms-

Page 97 of 288.

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FORM NIS-2 (Back)
9 Remarks NCL 86-1370
Applicable Manufacturer's Data Reports to be attached
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replicement conforms to the rules of the
ASME Code, Section XI. *** ** *** *** *** *** *** *** *** **
1. 16
, Type Code Symbol Stamp News
Certificate of Authorization No. 19/12 Expiration Date 19/12
Signed Owner or Owner's Designes Cittle
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
For Province of YENNA and employed by ARKWRICHT BOSTON MFGRS. MUTUAL THS. GO of
WALTHAM MA. have inspected the components described
in this Owner's Report during the period Tucy 8,1986 to SEPT. 22,1986, 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
sexaminations and corrective measures described in this Owner's Report, Furthermore, nether the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
MOTORE STATEM
Commissions NB7980 PA2204 NIBS IS Inspector's Signature Commissions National Board, State, Province, and Endorsements Date JAN. 6 1987
Date <u>J4 N. 6</u> 19 8 7

Plant_SUSQUE	ST., Allento	am Electric	STATION	Unit :2	•	426	
P.O. Box 40	Address	K	8603	Repair Organ		•	
Wark Performed by	OWNER	Name		Type Code Symbol Authorization No Expiration Date		NA	
Identification of Sy	Address			,		2-498-	- 77
. NT	ion of Section XI Uti						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	THUNIVERSAL	<i>גו/ט</i>	N/A	SVAF105B	198,3	ReplaceD	Y
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This Form (E00030) may be obtained from the Order Dept., ASME, 345 E, 47th St., New York, N.Y. 10017

Page 99" of 288"

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9. Remarks NEX 1/H //H L'CEST / JETISCHE CO	
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CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>REPAREMENT</u> conforms to the rules of	the
ASME Code, Section XI. repair or replacement	
No. of Combal Comp. NO. N.E.	
Type Code Symbol Stamp NONE	
Certificate of Authorization No. W/A Expiration Date W/A	
expiration Date 17/17	—
Signed November 7 19 86	
Owner or Owner's Designee, Title Supt. of Plant	
Supt. Of Flanc	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S	State
For Province of PENNA and employed by APEWRICHT BOSTON MEGRS. MUTUIL THIS. CO	of
WALTHAM MA have inspected the components descr	ibed
In this Owner's Report during the period TULY 8, 1986 to SER 24, 1986, 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, accressed or implied, concerning	the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his empl	oyer
shall be liable in any manner for any personal injury or property damage or a loss of any king arising from or connected with	this
inspection. FACTORY MUTUAL SYSTEM	
William R. Progresoff Commissions NB7980 PA2204 NIBS IS	_
Inspector's Signature . National Board, State, Province, and Endorsement	 .
The state of the s	
Date Nov. 18 1986	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENT

Hydrostatic Pneumatic Nominal Operating Pressure EXEMP'T Other Pressure psi Test Temp.

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

(12/82)

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1 Page 101 of 288

-	FORM NIS-2 (Back)
*	Remarks N-2 CATA Report ATTACKED
2	Applicable Manufacturer's Oata Reports to be attached
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*	
[.	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>fcPlacement</u> conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp NONE
ı	Certifigate of 'Aysthorization No. N/A Expiration Date N/A
, r	Signed Owner's Designee, Title Supt. of Plant To November 14 , 1986
_	CERTIFICATE OF INSERVICE INSPECTION
4	1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of PENNA and employed by ARK WIRIGHT BOSTON MECES MUTCHLINS, C2 of WALTHAM MA. have inspected the components described
1.	in this Owner's Report during the period AUG. 12, 1936 to SEP. 19, 1986, 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
4	inspection,
ć.	William R. Rogers TT Commissions
.7	Inspector's Signature National Board, State, Province, and Endorsements
*	Date Nov. 19 1986

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS - As Required by the Provisions of the ASME Code Section XI Page 100 96 26	FORM NIS-2 OWNER'S REPORT FOR - As Required by the Provisions of t	REPAIRS OR REPLACEMING ASME Code Section XI	Page.	1020) <i>E</i> E
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. Owner PENNS	IVANIA POWCE	AND Light	r Co.	Date	-36,		
	ST., Allento			Sheeto	ıt		
	~400				•		
. Plant_SUSQV	CHANNA STE	AM Electric	STATION	Unit?			
	67 Berwice			164	V6313	0. No., Job No.	
, "						U. NO., 305 NO., . A <i>la</i>	etc.
. Work Performed by	OWNER	Name		Type Code Symbol Authorization No		NA ·	
'				Expiration Date		NA	
s , Identification of Sy	Address estern <u>RHR</u>				2-	498-71	
(b) Applicable Edi	struction Code <u>ASI</u> tion of Section XI Uti omponents Repaired o	ilized for Repairs (or Replacement		ddends,	N/A	Code Ca
भाग Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamper (Yes or No)
Valve Plug		D30133-4	N/,1	PV-2F050A	1973	Replaces	Y
VAIVE PLUG	MISON EITIN Dresser	NOU154 - 1	NÄ	PV-2F057A	į	ł	Y
VAIVE PLUE	GUITKERZ	1715-3	13/11	PV-25051A	-	1 '	4
alve flug	MASONEILAN	N00.574 -	درادم	PY-2F051A	I .		y'
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Description of Worl	Rework	valve -	INTEINALS	.L		<u> </u>	
Tests Conducted:	Hydrostatic . Pr Other . Pressure						
NOTE: Supplemention is issued 1 the	ntal sheets in form of	f lists, sketches, o	r drawings may	be used, provided (1) (3) each sheet is num	size is 8%	in. x 11 in., (2) i	nforme- iheets is

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: Page 103 of 288

FORM NIS-2 (Back)
9 Remarks N-2 Oct TA Crown ATTIELS-d
Applicable Manufacturer's Data Reports to be attached
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No.
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CERTIFICATE OF COMPLIANCE
ASME Code, Section XI. ASME Code, Section XI. ASME Code, Section XI.
Type Code Symbol Stamp
Certificate of Authorization No. 11/1 Expiration Date 11/1 Signed Owner or Owner y Designer, Title Supt. of Plant
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
HOT Province of PENNA and employed by ARKWRIGHT BOSTON MEGRS. MUTULLINS. Co. of
MACTHAM, MA. have inspected the components described on this Owner's Report during the period AUG. ZO, 1986 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 king arising from or connected with this inspection.
FACTORY MUTUAL SYSTEM
William Z. Rosust Commissions NB7980 PA2204 NIBS 15 Inspector Signature Commissions NB7980 PA2204 NIBS 15
18
Date_ Nov. 26 19.86

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMEN · As Required by the Provisions of the ASME Code Section XI Date RERWICK Type Code Symbol Stamp_ Work Performed by NA Authorization No. Expiration Oate_ Address RHR 4." Identification of System 5." (a) Applicable Construction Code ASMC 皿 _19*_7/*_Edition, w 72 Addenda, 1516-1 4 1534 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W81 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired, Stamped National (Yes Replaced, Name of Manufacturer Board Other Year Name of or No) or Replacement Companent Manufacturer Serial No. No. Built Identification ANCHOR £5854a F054A NIA : DARLING Valve RePAIRED 1976 69-3

7. Description of Work TACK Weld AND Fillet Weld	the VAIVE Hime	SUPPORT BRACKET, CAD	screw AND SET SCREE
•			

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Spsi Test Temp. NA 2

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

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Page 105 of 288

	FORM NIS-2 (Back)
_	5 AI/A
J .	Applicable Manufacturer's Data Reports to be attached
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	ke .
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this Repair conforms to the rules of the
	ASME Code, Section XI.
	Type Code Symbol Stamp NONE
	Certificate of Authorigation No. NA Expiration Date NA
	$(1-c \otimes 1) \otimes 1 \otimes 1$
	Signed November 11 , 19 86
	Owner or Owner's Designes, Title Supt. of Plant
_	CERTIFICATE OF INSERVICE INSPECTION
	of I the undersioned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State The undersioned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State The undersioned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State The undersioned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State The undersioned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State The properties of the Pressure Vessel Inspectors and the State Vessel Inspectors and the State Vessel Inspectors and Inspecto
	or Province of PENNA. and employed by ARKWRIGHT BOSTON MFGRS MULLIAL INS. Co of
	WALTHAM MA. have inspected the components described
	in this, Owner's Report during the period Job. 14, 1936 to SEF. 20, 1936, and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
٥	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, axpressed 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 SYSTEM
	William P. Progeso III Commissions NB7980 PA2204 NIBS IS
	William R. Robertor Signature Commissions NB7980 PA2204 NIBS IS National Board, State, Province, and Endorsements
	Date No.y. 17 19.86

	As Requi	red by the Prov	isions of the A	ASME Code Sectio	n XI	age 10	10 Q J
Owner Pennsy North 9 th North 9 th Plant Sus Que P.O. Rox 4 Work Performed by Identification of Sy (a) Applicable Cons	ST., Allen Address 67 Beru Address OWNER Address Stem RHR	TÓWN PA. M Electric SICK PA. Name	18101 STATION 18603	Sheet	V6.3 inization P.	NA NA NA 2-49E	3 - <u>I</u>
	ion of Section XI Uti				.0041103,	<u>, , , , , , , , , , , , , , , , , , , </u>	
. Identification of Co	mponents Repaired o	or Replaced and R	Replacement Cor	maonents			•
Name of Component	Name of Manufacturer	Manufacturer Serial No,	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
:	0	E5254-				00'	·y
Lack Valve	PAXXXX PAPILIX	i4-5	N)A	251F034B	1976	Kermieo	
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Description of Work	Tock OND FILE	I With de	WHIE DISC	. Hinye Syport	- Brack	et up see	E PND SE
NOTE: Supplemen	Hydrostatic Pn Other Pressure tal sheets in form of	psi lists, sketches, o	Test Temp or drawings may	be used, provided (1)			
recorded at the top			-: :				
	This Form (E0003	0) may be obtain	ed from the Orc	der Dept., ASME, 345	5 E. 47th S	it., New York, N.	Y. 10017

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

lage 107 of 288

FORM NIS-2 (Back)

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9. Remarks		
Applicable Manufacturer's	Data Reports to be attached	
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CERTIFICATE OF COM	2	
9 " We certify that the statements made in the report are correct	it and this <u>Keraia</u> conforms to the rules of the	he
ASME Code, Section XI.	repair or replacement	
Aging good agents.		
.1.		
y Type Code Symbol Stamp NAA		
· · · · · · · · · · · · · · · · · · ·	Expiration Date N/A	
Certificate of Authorization No. N/4	expiration Date	
i i i i i i i i i i	November 7 . 86	
Signed	Date November 7	
Owner or Owner's Designee, Title	₩*.	
Supt. Of ZFTant		
jn		
CERTIFICATE OF INSER		
💰 1, the undersigned, holding a valid commission issued by the National (Board of Boiler and Pressure Vessel Inspectors and the S	tate
or Province of PENNA. and employed by ARKWRI	GHT BOSTON MEERS, MUTUAL INS. CO.	_of
3077	have inspected the components descri	
WALTHAM MA.		
in this Owner's Report during the period July 14, 1986	to SEPT. 16, 1986, and state	that
to the best of my knowledge and belief, the Owner has performed a	examinations and taken corrective measures described in	this
Ph Owner's Report in accordance with the requirements of the ASME Co		
By signing this certificate neither the Inspector nor his employer		
examinations and corrective measures described in this Owner's Re		
shall be liable in any manner for any personal injury or property dam	age or a loss of any kind arising from or connected with	this
inspection.	FACTORY MUTUAL SYSTEM	
inspection,	•	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NB7980 PA2204 NIBS IS	
William K. Kogentt Commission	ns	
Inspector's Signature	National Board, State, Province, and Endorsement	₽,
Date NOV. 12 19.86	,	
Date NOV. 12 19.86	•	

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	FORM NIS-2 C	WNER'S REPO	RT FOR REP	AIRS OR REPLA	CEMENT	s 19e. 108.	<u>ol 288</u>		
1. Owner PENNSYIVANIA POWER AND Light Co. Date 11-6-36 2. North 9 th St., Allentown Pa. 18101 Sheet 01 2 2. Plant Susquehanna Steam Flectric Station Unit 2 P.O. Box 467 Requick Pa. 18603 Repair Organization P.O. No., Job No., etc. 3. Work Performed by OWNER Type Code Symbol Stemp Ala Authorization No. NA Address Repair Cranication No. NA Expiration Date NA 4. Identification of System RHR Hent Fighthy PR. 1971 Edition, W73 Addends, NM Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1920 10 21 6. Identification of Components Repaired or Replaced and Replacement Components									
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)		
HEAT EXA	MLW	10641-8	134	2F205B	197X S	Refaired	Y		
Pipe Support	BechreL	HRC -21,4-	N/A	N/17	1984	Refaired	Y		
Hex NUT	G. E.	886534A	NIA	2 F 2 05 B	1981	Replacement	N		
STUD ROIT	GE.	HT# 68606	NA	2 E 205 B	1981	Replacement			
Hex NUT	m L W	NA	N/A	762 E201 "		Replace	N		

7. Description	on of Work <u>Lem</u> e	ove Rear	bracket of	hawer.	Peplaced	7_577.05	AND IA NUTS	ON VESSEL	Replace	HAUS
				,		•			· bra	represent

8.	Tests Conducted:	Hydrostatic 🔀	Pneumatic 🔲	Non	ninal Operating	Pressure []
	a a	Other Pressu	ne 200	Psi	Test Temp	73	_ F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

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Page 109 ig 288

A .	FORM NIS-2 (Back)
Remarks	· ·
Applic	sable Menufecturer's Data Reports to be attached
*	*
Se Se	•
X	
7	
	RTIFICATE OF COMPLIANCE
	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. / 1	Expiration Date N/A
Signed M.	Date November 7 19.86
	pt. of Nant
	FICATE OF INSERVICE INSPECTION Led by the National Board of Boiler and Pressure Vessel Inspectors and the State
Lor Province of PENNA and emp	ployed by ARKWKICHT BOSTON MECK MUTUAL INS. Co of
WALTHAM MA.	have inspected the components described
in this Owner's Report during the period AVG.	
to the best of my knowledge and belief, the Own Owner's Report in accordance with the requirement	ner has performed examinations and taken corrective measures described in this
	or nor his employer makes any warranty, ±xpressed or implied, concerning the
	in this Owner's Report, Furthermore, neither the Inspector nor his employer
e to mile	ury or property damage or a loss of any king arising from or connected with this
inspection.	FACTORY MUTUAL SYSTEM
William P. Porces	HETOPO PASSOA NIES IS
William R. Rogers Fire Inspector's Signature	National Board, State, Province, and Endorsements
•	•
~Date Mov. 10 1986	

	,	FORM NIS-2 O As Requ	WNER'S REPO	RT FOR RE	PAIRS OR F ASME Code	REPLA Section	on XI	gs (G1 , [//) ,	ئيہ کھ			
ren y	2. Plant SUSAVE P.O. Box 4 3. Work Performed by 4. Identification of Sy 5. (a) Applicable Cont (b) Applicable Edit	Owner Renos Ylvania Rome And Light Co. Name North 9th ST, Hieritown Pa. 18101 Address Value SUS Overhania Stemm Flectric Stittical Name 20. Box 467 Berwick Pa. 1860'S Address Vork Performed by Owner Name Address dentification of System RHR Address Address dentification of System RHR Applicable Construction Code 15 me TT 19 71 Edition a) Applicable Edition of Section XI Utilized for Repairs or Replacement Contentification of Components Repaired or Replaced and Replacement Contentification of Contentification o					Date					
rist ek i	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	, Othe		Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (Yes or No)			
	STUD BOIT	miwi	N/A	N/A	703EX		1975	Replace	N			
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7.	Description of Work_	Rework	INTERNAL	VALVE	Parts	
٠.				<u> </u>	·/ *	

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 280 psi Test Temp. N/A °

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this 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.

(12/82)

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

. Page 112 of 208

FORM NIS-2 (Back)	
9. Remarks N-Z DATA REPORT ATTACHED	
Applicable Manufacturer's Data Reports to be attached	
	-
r.E.	
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>Revivences</u> conforms to the r	ules of the
ASME Code, Section XI.	5.03 51 15
Type Code Symbol Stamp	
Certificate of Authorization No	
Jan C	06
Signed Owner or Owner's Designee, Title Supt. of Plant	9 00
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors a	ad she Chase
* or Province of PENNA. and employed by ARK WRIGHT BOSTON MEGRS MUTUAL INS.	Ca_of
WALTHAM, MA. have inspected the component in this Owner's Report during the period SEP. 17.1986 to SEP. 25, 1986, and	ts described
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described by the correction of the	
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, co examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor in	
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connec	
inspection. FACTORY MUTUAL SYSTEM	na z a
William R. Roglio II Inspector's Signature Commissions NB7980 PA2204 NL National Board, State, Province, and Endo	BS IS
Trippetter, Signature	
Date Nov. 18 19 8 6	

	··· As Requi	red by the Prov	isions of the A	ASME Code Sectio	" A!	042 113	90
1. Owner PENNSY	IVANIA POWCE	- AND Light	r Co.	Date	.86		· · · · · · · · · · · · · · · · · · ·
North 9th	ST. Allente	FWN PA.	18101	Sheet			
Plam SUSQUE	HANNA STE	Am Flectic	STATION	Unit			
P.O. Box 46	7 Berwie	K PA.	18603	WA Repair Orga	NG4	4157.2 0. No., JOD No.,	etc.
Work Performed by				Type Code Symbol	Stamp	NA	
1		Name		Authorization No.		NA ·	
	Address			Expiration Date		NA	
. Identification of Sy	stem RHR		·			2-496	? - 2
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASMI Code Stamp (Yes
 	MLW TWO	10641-0	124	2 E- 205B	1976	Refrices	. у
Note to the second	-		4.5		<u> </u>		
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4	. ,.	si by the pro-) ⁰ g ⁻¹⁴	,		
				· · · · · · · · · · · · · · · · · · ·		<u> </u>	

7.	Description of Work	Plug	LEADING	Tubes			
		\mathcal{I}		-	* •	••	
8.	Tests Conducted:	Hydrostatic 🔀	Pneumatic 🔲	Nominal Operati	ing Pressure 🔲		
		Other Pressu	m 200	osi Test Temp.	23 'F		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

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Page 114 of 288

form NIS-2 (Back)
9. #Remarks Nila
Applicable Manufacturer's Data Reports to be attached

** **
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair of regiscement
ASME Code, Section XI.
~ 1 .
Type Code Symbol Stamp N / A
Certificate of Authorization No NA Expiration Date NA
Signed Owner or Owner's Designee, Title Date November 7 , 19 86
Supt. of Plant
CERTIFICATE OF INSERVICE INSPECTION
[], the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNAand employed by APKWEIGHT BOSTON MEGES, MUTUAL THE. Conf
WALTHAM MA. have inspected the components described
in this Owner's Report during the period Aug. 7, 1986 to Sep. 23, 1986, 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 SYSTEM
William R. Rogers III Commissions NB7980 PA2804 NIBS IS Inspector's Signature Commissions National Board, State, Province, and Endorsements
National Edito, State, Province, and Endorsements
N N N N N N N N N N N N N N N N N N N
Date NOV. 10 1986

(12/82)

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Owner PENNSY				Date	-86		
North 9	ST., Alleni	OWN PA.	18101	Sheet	»+ <u></u> _		
	CHANNA STO	•		Unit			
P.O. Box 46	7 Repuis	ck PA. 1	8603	WA V	63370	0. No., 100 No.	3
Work Performed by		Neme		Type Code Symbol Authorization No.	Stamp		
				Expiration Date		NA	
	Address					2-498	- 77
Identification of Sy	sternRHR					<u> </u>	
Identification of Co	mpanents Repaired	or Replaced and R	eplacement Co	mponents			
Name of Component	mpanents Repaired Name of Manufacturer	or Replaced and R	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Name of Component	Name of	Manufacturer	National Board	Other		Replaced,	Code Stamped (Yes
Name of Component	Name of	Manufacturer	National Board	Other Identification	Built	Replaced,	Code Stamped (Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification 3F-3051 762 F201	Built 1975	Replaced, or Replacement	Code Stamped (Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	1975 1975	Replaced, or Replacement RePaired RePlace 0	Code Stamped (Yes or No)
Component FRAT EXA FRA NUT	Name of Manufacturer	Manufacturer Serial No. 106 39-0	National Board No.	Other Identification 3F-3051 762 F201 Trem II	1975 1975 1975	Replaced, or Replacement RePaired RePlace 0	Code Stamped (Yes or No)
Name of Component EAT EXH LEX NUT LEX NUT STUD BOIT	Name of Manufacturer MLWI MI_W G.E. MLW G.E.	Manufacturer Serial No. 10639-Q N/A HT-# 8865342 N/A HT-# 68666	National Board No. 122 N/A N/A	Other Identification 3F-2051 762 F201 Trem II 2F-2051 Trem 9 2F-205A	1975 1975 1981 1975	Replaced Replaced Replaced Replaced Replaced Replaced Replaced	Code Stamped (Yes or No)
Name of Component PEAT EXH TEX NUT TEX NUT TOO BOIT	Name of Manufacturer MLWI MI_W G.E. MLW G.E.	Manufacturer Serial No. 10639-Q N/A HT-# 8865342 N/A HT-# 68666	National Board No. 122 N/A N/A	Other Identification 3F-3051 762 E201 Trem II 2F-2051 762 E201	1975 1975 1981 1975	Replaced Replaced Replaced Replaced Replaced Replaced Replaced	Code Stamped (Yes or No)

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(12/82)

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

Page 116 of 260.

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	FORM NIS-2 (Back)
	LOUIN MO-E (BEOW)
Samarka 0)/a	
RemarksAr	pplicable Manufacturer's Data Reports to be attached
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•	CERTIFICATE OF COMPLIANCE
	le in the report are correct and this <u>Replacement</u> conforms to the rules of the replacement
ASME Code, Section XI.	S
Type Code Symbol Stamp N/A	•
Type Code Symbol Stamp_U_I	
Certificate of Authorization No. NA	Expiration Date N/A
Carefulation Administration to 1	expiration vate
Signer / / Cinerus	Oate November 7 1986
Owner or Owner's Designee, Title	Supt. of Plant
CE	ERTIFICATE OF INSERVICE INSPECTION
the undersigned, holding a valid commission	n issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
	demployed by ARKWRIGHT BOSTON MFGR. MUTUAL INS. Ca
WALTHAM MA.	have inspected the components describe
n this Owner's Report during the period $ ilde{oldsymbol{A}}$	AUG. 6, 1986 to SEP. 23, 1996, and state th
o the best of my knowledge and belief, the	Owner has performed examinations and taken corrective measures described in th
Owner's Report in accordance with the require	rements of the ASME Code, Section XI.
By signing this certificate neither the Insc	pector nor his employer makes any warranty, expressed or implied, concerning t
xaminations and corrective measures 'descri	ibed in this Owner's Report, Furthermore, neither the Inspector nor his employ
hall be liable in any manner for any persona	ll injury or property damage or a loss of any kind arising from or connected with th
_	EXCENT AUTUAL CYCTEL
nspection.	FACTORY MUTUAL SYSTEM
inspection.	
nspection. William R. Rogero III	Commissions NB7980 PA2204 NIBS IS
William R. Rogers III Inspector Signature	Commissions NB7980 PAZZO4 HIBS IS National Board, State, Province, and Endorsements
inspection. William R. Rogers III Inspector Signature Date Nov. 10 1986	National Board, State, Province, and Endorsements

12/82)

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Owner Penns	vivania Power	& Light C	0	Om Septemb	<u>er 25,</u>	1986	
Two North	Ninth St. A	llentown.	PA	Sheet 1	1_1_		
	ehanna Steam			Unit 2			
P.O. 1	Name Box 467, Berw	ick. PA 1	8603	E&S Const./	WA#V63	976	
	Address					.O. No., Job No.,	ete.
Work Performed by	<u>Pennsylvania</u>	Power & L	ight Co.	Type Code Symbol	Stamp	None	
		Name		Authorization No.		N/A	
Two North I	Winth St., Al	lentown, P	A 18101	Expiration Date		N/A	
	Stem DIV I RH			Class 2			
						11/4	,
	struction Code_ASM				\ddende,_	N/A	Code Ca
(b) Applicable Edit	ion of Section XI Uti	lized for Repairs	or Replacements	19.80 W'81			
	•		_				
Identification of Co	mponents Repaired o	or Replaced and P	leplacement Corr	ponents		•	
· · · · · · · · · · · · · · · · · · ·						1	1
					1	1	ASME
	İ	£				Don't look	Code
Nome of	1100000	Manufacoura	National &		J	Repaired, Replaced,	Stampe (Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board. No.	Other Identification	Year Built	or Replacement	
Companient		30,760,713,	п	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
fechanical	Pacific			DBB-215-		Replace-	
Shock	Scientific	23383	N/A	H9	N/A	ment	No
MECHANICAL	PAUFIC		1.0	DBB-215-	.114	REPIRESO	
"SHOOK ".	SCIENTIFIC	20409	NIA	49 .	NA	KEPIKAD	NO
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•					9.		
Description of Worl	Replace ext	sting snub	ber with f	unctionally	teste	<u>i replaçeme</u>	nt
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Tests Conducted:	Hydrostatic Prosure_	eumatic 🔛 No	minal Operating	Pressure [None X	1	
1	OUR LINE	p#	rest remp		woule M	. . ,	
	wal shares In form of	liere ekserhas r	e drawinas mau t	on used, provided (1) size ie Ru	in. x 11 in (2) i	nforme-
NOTE: Cundame							
NOTE: Supplemention in items 1 thr	ough 6 on this repor	t is included on	ech sheet, and (3) each sheet is nur	ns benedim	d the number of	sheets is

: Yage 118 of

FORM NIS-2 (Back) N/A Applicable Manufacturer's Data Reports to be ettached CERTIFICATE OF COMPLIANCE . We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. NZA Type Code Symbol Stamp. N/A Certificate of Authorization No. Expiration Date. 17 Date. Titte Superintendent of CERTIFICATE OF INSERVICE INSPECTION t, 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 Boston Mfgrs.. Mutual Ins.Co. of . Waltham, Massachusetts have inspected the components described 10 Oct. 5,1986 in this Owner's Report during the period Ave. 29,1986 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, Fáctory Mutual System PA_2204 NB7980 NIBS IS

1984

National Board, State, Province, and Endorsements

(12/82)

Date DEC. 2

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As Required by the Provisions of t	the ASME Code Section XI Fage 1/9 of 283						
1. Owner Perrosyl Vania Power AND Light Co. Name 2. North 9 th ST. Allentown Pa 18101 Address 2. Plant Susquehanna Steam Electric Station: Name P.O. Box 467 Berwick Pa 18603 Address 3. Work Performed by Owner Name Address 4. Identification of System PHR VALVES RVI 3 R	Date						
5. (a) Applicable Construction Code ASING TOT 19 71 Edit (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 6. Identification of Components Repaired or Replaced and Replacement	nents 19 <u>80 (18)</u> Addenda, <u>NA</u> Code Case						
Name of Name of Manufacturer Board Component Manufacturer Serial No. No.							
& DISC- NOVA/Haumet CIO NA	B2214 . 1980 Repliceo Y						
STEIN ASSEMBLY JACUAY DISTA " NA!	· 8.7.7.14 19.36 Replacement Y						
DISC NOVH/HOWMET CIO NA	83204 1980 Ruplicer Y						
STEM ASSEMBLY YARWAY DIST-A NO	33204 1986 Replacement 1						
	ating Pressure EXENDI						

i. Par Page 120 of 288

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FORM NIS-2 (Back)
& Bemarks NI-Z DATA RESETT ATTACKED
9. Remarks N 2 1) 9 Applicable Manufacturer's Data Reports to be attached
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•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
ASME Code, Section X1.
e .
Type Code Symbol Stamp_NONE
Certificate of Authorization No. N/A Expiration Date N/A
Signed Owner or Owner's Designey Title Supply of Plans
Owner or Owner's Designes, Title Supt. of Planz
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA. and employed by ARKWRIGHT BOSTON MEST. MUTUSE TINS Cont WALTHAM MA. have inspected the components described
in this Owner's Report during the period AVG. 4, 1986 to Oct. 5, 1986, 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 SYSTEM
William R. Rogers III Commissions NB7980 PA2204 NIBS IS
Commissions NB7980 PA2204 NIBS IS Inspector Signature Commissions National Board, State, Province, and Endorsements
Date_NOV. /8 19.86

				PAIRS UN REPLA ASME Code Section		rs Page	1210
1. Owner Pankisylu 2 North 9th 5 2. Plant Susauch P.O. Box 467 3. Work Performed by 4. Identification of Sys 5: (a) Applicable Cons (b) Applicable Editi	Address Address Berwick Address Owner Address Address truction Code HSr	Name 2RVF	74 Edition,	W74 A	0f	4 .0. No., Job No., N/A N/A N/A N/A	
Name of Component	nponents Repaired of Manufacturer	or Replaced and R Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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d.	FORM NIS-2 (Back)
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19.	Remarks DATA REPORT ATTACKED
-	Applicable Manufacturer's Data Reports to be attached
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	CERTIFICATE OF COMPLIANCE
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Į.	ASME Code, Section XI.
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ı	Certificate of Authorization No. N/A Expiration Date N/A
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l	Signed November 7 19 86
ı	Owner or Owner's Designee, Title Supt. of Plant
<u></u>	Super Grant
Γ	CERTIFICATE OF INSERVICE INSPECTION
ļ	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
?	or Province of PENNA. and employed by ARKWPIGHT BOSTON MEGES. MUTUAL INS. (3) of
1	MACTIAM. MA. have inspected the components described
ľ	in this Owner's Report during the period AUG. 4.1986 to AUG. 20, 1986, 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
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Identification of C	omponents Repaired o	or Replaced and F	Replacement Com	ponents			
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Name of Component—	Name of Manufacturer	Manufacturer Serial No.	Board. No.	Other Identification	Year Built	Replaced, or Replacement	or N
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This Form (E00030) may be obtained from the Order Dept., ASME, 345 E, 47th St., New York, N.Y. 10017

Page 126 of 288.

FORM NIS-2 (Back)

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<i>ي</i> ا 3	Uilliam R. Rog us TI Commissions NB7980 P:2204 Inspector's Signature Commissions National Board, State, Province, and	
- 4	·	
_	110 JAN. 13 19.87	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENT As Required by the Provisions of the ASME Code Section XI Date September 25. 1. Owner Pennsylvania Power & Light Co. 1986 Two North Ninth St., Allentown, PA Susquehanna Steam Electric Station Unit_2 E&S Const./WA#See Below P.O. Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc. Work Performed by Pennsylvania Power & Light Co. None Type Code Symbol Stamp. N/A Authorization No._ N/A Two North Ninth St., Allentown, PA 18101 Expiration Data_ 4. Identification of System RHR Common Non Div. System 2491. Class 2 5. (a) Applicable Construction Code ASME III 19 71 Edition, Thru W 172 Addende, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80 W 81 8." Identification of Components Repaired or Replaced and Replacement Components . ASME Code Stamped National & Recaired. Replaced. (Yes WA# Name of Name of Manufacturer Board. > 10 " Other Year or Replacement ar Na) 'Identification Serial No. No. Component Manufacturer Built Replace-Mechanical Pacific GBB-214- · N/A N/A No Scientific 17245 **H52** ment Shock ±1.40 V63991 Pacific **Replace-**GBB-214-Mechanical N/A N/A ment No Scientific 17225 Shock H53 V63991 MECHANICAI PACIFIC GBB-214-14418 ŇIÁ NU REAMUED NO 452 SHOCK SCIENTIFIC MECHANICAL GBB-214-MCIFIC CEPHCEO 14413 NIA NA NO SHOCK SCIENTIFIC 453 ۱۹ Replace existing snubber with functionally tested replacement 7. Description of Worle 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure None X Other Pressure psi Test Temp.

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

(12/82)

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

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FORM NIS-2 (Back)

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Remarks_	N/A Applicable Manufacturer's Data Reports to be attached
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	CERTIFICATE OF COMPLIANCE
1	We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of ti
ASME Co	de, Section XI. repair or replacement
Tues Code	Symbol Stamp N/A
type Code	I SYMBOL SURING
Certificate	of Authorization No. N/A Expiration Date N/A
=	
Signed	Super or Swier's Designee, Title Superint and part of Blant
·	Owner or Dwier's Designes, Title Superintendent of Plant
أمس مام	CERTIFICATE OF INSERVICE INSPECTION ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Si
or Province	of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins.Co
Waltha	im, Massachusettsnave inspected the components descri
in this Ov	wher's Report during the period Aug. 28, 1986 to Oct. 5, 1986, and state to
	t of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
Owner's R	eport in accordance with the requirements of the ASME Code, Section XI.
By sign	ning this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
	ons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emplo
	able in any manner for any personal injury or property damage or a loss of any kind arising from or connected with t
Inspection	Cantony Mitual Custom
will	commissions PA 2204 NB7980 NIBS IS
	Inspector's Signature National Board, State, Province, and Endorsements
	Commissions PA 2204 NB7980 NIBS IS Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date D &	5c. Z 19.86

Owner Pennsy	/Ivania Power	& Light C	0	Date September 25, 1986				
_Two North	Ninth St. A	llentown.	PA	Sheet 1 o	1_1.			
	hanna Steam			Unit 2				
P.O. E	Box 467, Berw	ick, PA 1	8603	E&S Const./W	IA # S	ee Below		
Work Performed by	Address Pennsylvania	Power & L	ight Co.	Repair Organ Type Code Symbol:	_	.о. но., јов но., None	eta.	
	linth St., Al	Name		Authorization No		N/A N/A		
	Address			Expiration Data		. (/ A		
Identification of Sys				1				
(a) Applicable Cont	struction Code_ASM	E- III - 19	71 Edition,	Thru W. '72 A	ddende,_	N/A	_Code Case	
(b) Applicable Editi	ion of Section XI Uti	lized for Repairs	or Replacements	19 <u>80 W</u> 81				
Identification of Co	mponents Repaired o	or Replaced and F	Replacement Con	nponents		•		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board: *** No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Mechanical Shock	Pacific Scientific	28770	N/A	SP-DCA- 229-H3006	N/A	Replace- ment	No	
Mechanical Shock	Pacific Scientific	28913	N/A	SP-DCA- 230-H3022	N/A	Replace- ment	No	
MECHANICAL SHOCK	· ACIFIC SCIENTIFIC	23628	NIA	SP-0cA- 229-1/5006	NA	LENACED	NO	
MECHANICAL SHOCK	PACIFIC SCIENTIFIC	24390	N/A	SP-OCA- 230-H3022	NIA	REPIACEO	NO	
		•						
Description of Work	Replace exi	sting snub	ber with	functionally	teste	i replaceme	ent	
	Hydrostatic Pr			Pressure	Ione X	-		

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

Page 130 of 288

FORM NIS-2 (Back)

	RemarksN/AApplicable Manufacturer's Data Reports to be attached
_	CERTIFICATE OF COMPLIANCE
:	We cartify that the statements made in the report are correct and this replacement conforms to the rules of t
	ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date N/A
	Cartificate of Authorization No.
	Signed Owner or Sweer's Designee, Title Superfintendent of Plant
L	Owner or Swyler's Designes, Title Superfintendent of Plant
Γ	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S
	or Province of Pennsylvania and employed by Arkwright Boston Mfgrs., Mutual Ins.Co. Waltham, Massachusetts have inspected the components descr
	in this Owner's Report during the period SEP. 4, 1986 to Oct. 5, 1986, and state
İ	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
	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
	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
	Inspection. Factory Mutual System
	William R. Rogers III Commissions PA 2204 NB7980 NIBS IS
	William E. Rivers III Commissions PA 2204 NB7980 NIBS IS Inspector's Signature National Board, State, Province, and Endorsement Date Dec. 2 1986

((2/82)

	sylvania Power Name			September .		1986	- :
Two Nort	ninth St. A	llentown.	PA	Sheet 1 o	I <u></u> _	· · · · · · · · · · · · · · · · · · ·	
Place Susqu	uehanna Steam	Electric Si	tation	Unit 2			
	Name				10 # 1/	2004	
P.0.	Box 467, Berw	1CK, PA I		E&S CONST./W		3994 O. Ne., Job No.,	<u> </u>
	Pennsylvania	Power & L	iaht Co.	Type Code Symból		None	••••
Work Performed	y remisy ivania	Name	<u> </u>	Authorization No.		N/A	
Two North	Ninth St., Al	lentown, Pi	A 18101	Expiration Data		N/A	
	Address	_					
Identification of	RCIC Ste	am Supply:	system 250	L Class 2			
ist y	enstruction Code_ASM	E III.	. 71 Edition	Thru W 472 A	ddende	N/A	Code
(a) Applicable Co	lition of Section XI Uti	lized for Repairs	or Replacement	19.80 W'81		•	,0000
10) Applicate at		,	•				
Identification of	Components Repaired o	or Replaced and R	eplacement Con	nponents			
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							ASM
			Madaal			Repaired.	Stam
Name of	Name of	Manufacturer	National Board	Other	Year	Replaced,	(Ye
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or N
			,		ļ	} .	
Mechanical	Pacific			DBB-209-		Replace-	
Shock	Scientific	18804	N/A_	H12	N/A	ment	No
MEONANICAI	PASIFIC	20190	NIA	OBB-209-	NA	REPIACED	NO
"SHOOK"	PAOJFIC SEVENTIFICS	.00,70	14/11	1112	17.7		-
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	Do-Jose out			Sunch Constitu	****	, d wonlacome	.n.+
Description of W	ork Replace ex	iscing shub	Dei Wich	idile citolia i i y	<u> </u>	<u>a repraceme</u>	
Tests Conducted	: Hydrostatic 🔲 Pi	neumetla 🔲 No	ominal Operating	Pressure [_	
	Other Pressure		Test Temp	F	None 🛛	1	
	,	•		be used, provided (1		8	

Page 132 of 288

Rem	
	Applicable Manufacturer's Date Reports to be attached
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	<u> </u>
	· .
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are correct and this report are corr
ASM	E Code, Section XI. repair or replacement
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Cami	ficate of Authorization No. N/A Expiration Date N/A
Certi	(La 21 1 1)
Siane	11-25-86 19
	Owner or Owner's Designee, Title Superintendent of Plant
	CERTIFICATE OF INSERVICE INSPECTION
I, the	e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Str ovince of <u>Pannsylvania</u> and employed by <u>Arkwright Boston Mfgrs.</u> Mutual Ins.Co
or Pn Wa 1	Labora Magaaahii aabka
	is Owner's Report during the period SEP: 17, 1986 to Oct. 5, 1986, and state the
	e best of my knowledge and belief, the Owner has performed exeminations and taken corrective measures described in the
	er's Report in accordance with the requirements of the ASME Code, Section XI.
	y signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t
	ninations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employ
	be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the
inspe	etion.
/ -	Factory Mutual System
ω	Commissions PA 2204 NB7980 NIBS IS Interest Signature Commissions Board, State, Province, and Endersements
	Inspector's Signature National Board, State, Province, and Endersements

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1. Owner <u>P?445y</u>	Name All L	no 10		Date 12 / 2			·
2 No. 9th	Address	<u>14, PH 181</u>	(1.1		of		
32. Plant 50540P	Name Name	n Electric s	tation	Unit 2		· · · · · · · · · · · · · · · · · · ·	
1.0. Box 4	67, Bernich	, PA 18	3603	W. A. V 4	4 2 4 9	O. No., Job No.,	etc.
3. Work Performed b	y bwalk		<u>.</u>	Type Code Symbo			•10.
•		Name	_	Authorization No. Expiration Date	NIA		
	Address		<u> </u>				
, 4. Identification of S	yssem Klactor C	Lore Isolal	tun Couli	ng - System	n 5UA-	Class 2	
E (a) Applicable Co.	nstruction Code ASY	u	71 Edition	Winter 172	Addanda	-VIA- 1516	- () Code (
5, (a) Applicable Co. (b) Applicable Edi	tion of Section XI Ut	ペランユュー19 tilized for Repairs	or Replacement	s 19 80/ Winter	Addenda,_ r/8 .	JEB 1/2/8	-coge (
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6. Identification of C	omponents Repaired	or Replaced and F	Replacement Cor	mponents			
							ASM
			1				Cod
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	Stam; (Ye
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	or N
Component	1			HV- 249-	1454	Repaired	Yes
RCIL Test	Auchon	E5853-96-1	4///	100 473	110/1/		1,43
	Auchon	E5853-96-1	N/A	Folia	1976	ICEPAIRE	
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*Page 134 of 288

*	FORM NIS-2 (Back)
≱ ^{9.}	Remarks N/A Applicable Manufacturer's Data Reports to be attached
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Γ	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>repair</u> conforms to the rules of the ASME Code, Section XI.
İ	Admit dodd, dddion An
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date N/A
	Thomas M (C)
:	Owner or Owner's Designee, Title Superintendent of Plant
F	CERTIFICATE OF INSERVICE INSPECTION
è.	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	WALTHAM MASS. have inspected the components describe
	in this Owner's Report during the period Nov. 14, 1984 to Nov. 18, 1984, and state this
:	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.
1	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 employ 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
<u>.</u>	inspection. FACTORY MUTUAL SYSTEM
	William R. Rogero III Commissions NB 7980 PA 2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements
2	Date JAN. 3 19.85

				PAIRS OR REPLA ASME Code Section	. //	1s 19e 135	
1. Owner PENNSY!	VANIA POWER	ano Light	Co.	Date	-86 ⁽	j :	0
3 Work 9	TH ST. Allen	TOWN PA	18101	Sheet	o!		ı
2. Plant Susque	HANNA STEAM	n Electric	Tirries	Unit2			 _
P.O. Box 4	67 Berwie Address	k. Fp. 1	8603	Repair Orga	nization P	<u>6'3,~~5</u> .O. No., Job No.,	etc.
3. Work Perfurmed by	<u>owner</u>	Name		Type Code Symbol Authorization No. Expiration Date		NA	
4,∞Identification of Sy	stem <u>Percita</u>	in Coin	(RC				7/II
5,-(a) Applicable Con (b) Applicable Edit	struction Code <u>ASI</u> ion of Section XI Uti				.ddenda,	NiA	_Code Case
5. Identification of Co	mponents Repaired (or Replaced and R	eplacement Co	mponents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	्र त्र् Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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ASPING STEP	Jorgensen	HT-# 164668	NA	PSV-2F097	1986	Cep Mement	NX"
	Recion N	numatic Non	<u> </u>				

*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,

(12/82)

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Page 136 of 288

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Type Code Symbol Stamp_NO	NE			
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Certificate of Authorization No	». <u>N/4</u>	Expiration Dat	· HIA	
	2012	()		
Signed	, maresell		<u>November 24</u>	, ₁₉₈₆
Owner or Owner's De	Supt. of	/ Plant		н
		· · · · · · · · · · · · · · · · · · ·		
I, the undersigned, holding a va	ilid commission issued by the	National Board of Boiler a	nd Pressure Vessel Ir	spectors and the State
	and employed by	HEKMEIGHT BOSTON	MEGRE MUTUA	L INS. Co. of
		h	ive inspected the	
	4.5.4.			components described
n this Owner's Report during		986 to Oct.	23,1986	, and state that
n this Owner's Report during to, the best of my knowledge a	and belief, the Owner has pe	986 to Oct.	23,1986	, and state that
n this Owner's Report during to the best of my knowledge a Owner's Report in accordance v	and belief, the Owner has pe with the requirements of the	986 to OcT. erformed examinations and ASME Code, Section XI.	23,1986 taken corrective me	, and state that asures described in this
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2. Plant <u>SUSQUE</u>	Name	Electric ST	ATTUM	Unit			
	Berwick PA				53933 nization P.	O. No., Job No.,	A1C
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. Work Performed b	V_E/WAER	Name		Type Code Symbol		•	
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	ition of Section XI Ut						_0008 0
(b) Applicable ad	,	mico ioi riopans	Or replacements	13 <u>80 N</u> EO	•	•	
, Identification of C	omponents Repaired	or Replaced and F	Replacement Con	nponents		•	
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Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	Code Stampe (Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built or Dostaned	' '	Code Stampe (Yes
Component .			Board No.	Identification	Built ຄື	Replaced,	Stampe (Yes
Component Fream Live		Serial No.	Board	Identification	Built ຄື	Replaced, or Replacement	Code Stampe (Yes or No)
Component STEAM Live DRAIN POT STEAM Live	Manufacturer G. E.	Serial No. SP068-201-3 THEM 35	Board No.	Identification LSH - ESI - 2NCTO LSH - EST -	Built Distanced 1483	Replaced, or Replacement	Code Stampe (Yes or No)
Component STEAM Live OLAIN Por	Manufacturer	Serial No.	Board No.	Identification LSH - ESI - LSH - ESI - 2NOIO	Built Sus Talked 1483	Replaced, or Replacement	Code Stampe (Yes or No)
Component STEAM Live DRAIN POT STEAM Live	Manufacturer G. E.	Serial No. SP068-201-3 THEM 35	Board No.	Identification LSH-ESI- 2NCIO LSH-EST- 2NOIO 6P-088-101-3 TTEM 27	Built or Dos Taled 1983	Replaced, or Replacement	Code Stampe (Yes or No)
Component STEAM LiNE DRAIN POT STEAM LINE DRAIN BT	Manufacturer G. E.	Serial No. SP-068-209-3 STEM 35 884251	Board No.	Identification LSH - ESI - 2NCIO LSH - EST - 2NOIO 6P-088 - 101-3	Built Donathud 1483 1984 1983	Replaced, or Replacement ReplaceD ReplaceD	Code Stampe (Yes or No)
Component STEAM LINE STEAM LINE DIAIN BT	Manufacturer G. E. G. E. Bechtel	Serial No. SP-068-209-3 STEM 35 884351 N/A	Board No. " N/A N/A	Identification LSH - ESI - 2NCIO LSH - EST - 2NOIO SP-088 - 101-3 TTem 27 SP-088 - 209-3	Built Donathud 1483 1984 1983	Replaced, or Replacement Replace D Replacement Replacement	Code Stampe (Yes or No)
Component STEAM LINE DRAIN BT STEAM LINE DRAIN BT	Manufacturer G. E. G. E. Bechtel	Serial No. SP-068-249-3 Hem 35 884251 N/A 47. 646	Board No. " N/A N/A	Identification LSH - ESI - 2NCIO LSH - EST - 2NOIO SP-088 - 101-3 TTem 27 SP-088 - 209-3	Built Donathud 1483 1984 1983	Replaced, or Replacement Replace D Replacement Replacement	Code Stampe (Yes or No)
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f	FORM NIS-2 (Back)
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9. Remarks _	N/A Applicable Manufacturer's Data Reports to be attached
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Γ	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this REPLACIMENT conforms to the rules of t de, Section XI.
ļ.	
Type Code	Symbol StampN/A
•	of Authorization No. AIA Expiration Date N/A
Signed	Owner or Owner's Designee, Title Superintendent of Plant
& &	CERTIFICATE OF INSERVICE INSPECTION
I, the unde	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S
	e of PENNA. and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL TINS. Co. have Inspected the components described.
	wher's Report during the period JAN. 6.1986 to MAR. 28.1986, and state
	t of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
	eport in accordance with the requirements of the ASME Code, Section XI.
	oing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
	ons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his empl able in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
inspection	
4.0	
* Willia	P. Kog as IT Commissions NB 7980 PA 2204 NI BS IT Inspector's Signature National Board, State, Province, and Endorsement
& Date TUN	19.86

	As Requ	ired by the Prov	islans of the	ASME Code Section	TAI PG	19e 129	Q c
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Work Performed by	OWNER	Name	<del></del>	Type Code Symbol Authorization No.			
			<del></del>	Expiration Date			
	Address	- 02 - 44				7611-	<del>77 -</del>
Identification of Sys	tem <u>Core</u>	SPRAY			<u>.                                    </u>	2511-	
Identification of Cor	mpanents Repaired	or Replaced and R	leplacement Co				A SM Code
Neme of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Yeer Built	Repaired, Replaced, or Replacement	Stamp (Yes
	ANCHOR	E5854	41/1			-	
eck visire	PRLING	-70-1 E5854	N/A	2F036A	1976	Remired	1-2
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Tests Conducted:		neumatic 🔲 No	minal Operatio	g Pressura 🔀			
	ugh 6 on this repo			be used, provided (1) (3) each sheet is nun			
2/82)	This Form (E000	30) may be obtain	ed from the On	der Dept., ASME, 345	E, 47th S	it., New York, N.	Y. 1001

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Page 140 of 283

r	FORM NIS-2 (Back)
RemarksAVr3	
Applicable	Manufacturer's Data Reports to be attached
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	FIGATE OF COMPLIANCE
	report are correct and this RePair conforms to the rules of the
ASME Code, Section XI.	
,	;
Type Code Symbol Stamp / / / C/C C	
Certificate of Authorization No.	Expiration Date NA
Jr. Bl. D.	eslect November 24 19 86
Owner or Owner's Ogrignee, Title Supt	t. of Flant
,	CATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued b	by the National Board of Boiler and Pressure Vessel Inspectors and the State yed by A PKWEIGHT BOSTON MEGRS, MUTUAL INS. Co. of
WALTHAM MA.	have inspected the components described
in this Owner's Report during the period TUL. 1	17, 1986 to Aug. 20, 1986, and state that
	has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of	
	for his employer makes any warranty, expressed or implied, concerning the this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury of	or property damage or a loss of any kind arising from or connected with this
inspection.	FACTORY MUTUAL SYSTEM
`a.:	NEGGO PLOOS NIES IS
William R. Rogers III	
`a.:	NB7980 PA2204 NIBS IS

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dentification of Sy	stem_ <u>Co/</u> c	Spray			-	57A - II 676-1 7 1534		
	struction Code <u>AS</u> ion of Section XI U mponents Repaired			ts 19 <u>80 W8J</u>	ddenda,	10-24-56	_Code Case	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Check Vishie	Anchor DARLING	E5854-	Nh	252F036B	)47/	G24 /	y	
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FORM NIS-2 (Back)	
RemarksN/A	·
Applicable Manufacturer's Data Reports to be attached	
<b>1</b>	· · · · · · · · · · · · · · · · · · ·
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CERTIFICATE OF COMPLIANCE	4
We certify that the statements made in the report are correct and this Report conforms to the rule ASME Code, Section XI.	les or the
Type Code Symbol Stamp_N/4	
Certificate of Authorization No. N/4 Expiration Date N/A	
Signed November 7 19	86
Owner or Owner's Designee, Title Supt. of Plant	
CERTIFICATE OF INSERVICE INSPECTION	···
& 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors an	d the State
or Province of PENNA. and employed by ARKWRIGHT BOSTON MFGR. MUTUAL IN	vs. Co of
in this Owner's Report during the period <u>Tut. 17, 1986</u> to <u>SEP. 24, 1986</u> , and	described
to the best of my knowledge and belief, the Owner has performed examinations and takeocorrective measures descr	
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, con-	cerning the
examinations and corrective measures described in this Owner's Report. Eurthermore, neither the Inspector nor hi	
shall be flable in any manner for any personal injury or property damage or a loss of any kind arising from or connecte	d with this
inspection. FACTORY, MUTUAL SYSTEM	
William R. Roger III Commissions NB7980 PA2204 NIB	SIS
William R. Rosser III Commissions NB7980 PA2204 NLB Inspector Signature Commissions National Board, State, Province, and Endor	sements
Date_NOV- 12 19.86	

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	er Year Built	er Year Repaired, Replaced, or Replacement  N/A  Repaired, Replaced, or Replacement  N/A  Replaced, or Replacement  N/A  Replaced, or Replacement

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

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FORM NIS-2 (Back) Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this YED TOCHMENT, conforms to the rules of the repair or replacement ASME Code, Section XI. • Type Code Symbol Stamp N/A N/A Cartificate of Authorization No. **Expiration Date** 1-25-82 Date. Superlyntendent Plant å CERTIFICATE OF INSERVICE INSPECTION Ă I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Boston Mfgrs., Mutual Ins.Co of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period Aug. 21,1986 10 Oct. 5. 1986 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 -12 inspection. Factory Mutual System 3 PA 2204 NB7980 NIBS Commissions National Board, State, Province, and Endorsements < € 1986 Date DEC. *

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2. Plant Susque	IANNA SteAM	Electric	Station	Unit 2			
≈ P.O. Box 46	1, Berwick, f	A. 18603	<del></del>	WORK Auth	ORIZAT	10N V-44	- 2 etc.
3. Work Performed b	by Owner			Type Code Symbol			
		Name		Authorization No	<u> </u>	·	
•	Address		<del></del>	Expiration Date	N/A-		
(b) Applicable Ed	Instruction Code AST lition of Section XI Ut Components Repaired	ilized for Repairs	or Replacement	19 <u>80/</u> WINT	rer 18	1.	_Co
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Sta
čl –	BechteL	NA	N/A	SP-HBB-234 H14	1983,	Repaired	Ŋ
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FORM NIS-2 (Back)

¥	Applicable Manufacturer's Data Reports to be attached
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	CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI.
ě ^p	Type Code Symbol Stamp N/A
· · · · · · · · · · · · · · · · · · ·	Certificate of Authorization No. N/A  Signed
<u> </u>	CERTIFICATE OF INSERVICE INSPECTION
i i	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stator Province of PENNA and employed by ARKWRIGHT BOSTON MEGRS, MUTUAL INS. CO.  WALTHAM, MASS
<b>"</b>	in this Owner's Report during the period DEC. 6, 1984 to DEC, 11, 1984, and state the to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.
da.	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 employed shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
٠,	inspection. FACTORY MUTUAL SYSTEM
<i>4</i> 7	William R. Rogers III Commissions NB 7980 PA 2204 NIBS IS Insperior's Signature Commissions National Board, State, Province, and Endorsements
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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.

(12/82)

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

Page 148 of 288

FORM NIS-2 (Back)
9. Remarks Attached N·Z
9. Remarks
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI.
A//A
Type Code Symbol Stamp
Certificate of Authorization No. N/A Expiration Date N/A
2//
Signed January 7, 19 86
Owner or Owner's Designee, Title Superintendent of Plant
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA. > and employed by ARKWRIGHT BOSTON MEGRS, MUTUAL TINS. Co of
WALTHAM, MASS have inspected the components described
in this Owner's Report during the period NOV. 29, 1984
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 SYSTEM
William R. Rogero III Commissions NB 7980 PA2204 NI BSIS Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
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Date JAN: 14 19.86

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Page 150 of 288

Ϋ́	FORM NIS-2 (Back)
9. ₹	Remarks N/r1 Applicable Manufacturer's Data Reports to be attached
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à	We certify that the statements made in the report are correct and this <u>CPAIR</u> conforms to the rules of the ASME Code, Section XI.
4.	Certificate of Authorization No. NA Expiration Date N/A  Signed Owner or Owner's Designee, Title Supt. of Plant
	CERTIFICATE OF INSERVICE INSPECTION
٤ ۲	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA and employed by ARKWRIGHT BOSTON MEGES MUTUAL INS. CO. of WALTHAM, MA. have inspected the components described in this Owner's Report during the period Aug. 27, 1986 to Oct. 6, 1986, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken correct imeasures 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 SYSTEM
**	Inspector's Signature Commissions National Board, State, Province, and Endorsements  Date NOV. 17 1986
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Puge 152 of 288.

FORM NIS-2 (Back)

	Remarks
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	- CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this repair or replacement conforms to the rule:  ASME Code, Section XI.
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١	A. / A
	Type Code Symbol Stamp N/A
	Certificate of Augnorization No. N/A Expiration Date N/A
İ	Signed Owner or Owner's Designee Fitte Superintendent of Plant-Susq.  Date 1/21/86 , 19
L.	Superintendent of Plant-Susq. U
	CERTIFICATE OF INSERVICE INSPECTION
	1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec
	or Province of PENNA and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL THS. Co.
	in this Owner's Report during the period JUNE 17, 1983 to AUGUST 9, 1983, and s
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures describe
	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, concerexaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his examinations and corrective measures described in this Owner's Report.
ĺ	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected
	inspection. FACTORY MUTUAL SYSTEM
	William R. Rogero III Commissions NR 7980 PA 2204 NIB Signature National Board, State, Province, and Endorser
	William K. Kigero III Commissions NR 7980 PA2204 NIB.

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

(12/82)

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

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FORM NIS-2 (Back)	
9. Remarks	
Applicable Manufacturer's Data Reports to be attached	
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_ CERTIFICATE OF COMPLIANCE	
ASME Code, Section XI	
Type Code Symbol Stamp <u>Novle</u>	_
Certificate of Authorization No. 2/4 Expiration Date 2/4	_
Signed Date December 4 19 86	_
Supt. of Plant	
CERTIFICATE OF INSERVICE INSPECTION	
1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Penna and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL INS. Co.	of
WALTHAM, M4. have inspected the components describe in this Owner's Report during the period AUG-27, 1986 to SEPT-18, 1986, and state the	
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th	
#: 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	
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shall be liable in any manner for any personal injury or property damage or a loss of any king arising from or connected with the Linspection.	is
William R. Roger III Commissions NB7980 PA2204 NIBS IS	
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Vage 156 of 288



ď FORM NIS-2 (Back) 120 9. Remerks Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE . We certify that the statements made in the report are correct and this TEDTACEMENT, conforms to the rules of the ASME Code, Section XI. NZA Type Code Symbol Stamp. * N/A N/A Certificate of Authorization No. **Expiration Date** 4 Date. Superintendent 7 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Boston Mfgrs., Mutual Ins.Co of Waltham, Massachusetts have inspected the components described 10 Oct. 5, 1986 in this Owner's Report during the period Au 4, 30, 1986 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 inspession, Factory Mutual System PA 2204 NB7980 NIBS IS Commissions National Board, State, Province, and Endorsements 1 Date DBC. Z

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Description of Work	Prolon	VAlve	with n	lew ecvi	v'Mens	<del></del>	
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	Hydrostetic  Pr Other  Pressure_						
NOTE: Supplement tion in items 1 thro	ugh 6 on this repor						
recorded at the top of	or this form,	-					
2/82)	This Form (E0003	0) may be obtain	ed from the Ord	er Dept., ASME, 349	5 E. 47th S	St. New York N.	Y. 10017
		or may be outsin	es non me oro	ei mahiri wawei 34:	, →/tn 3	iti, itait Tuin, N.	

Page 158 of 288



FORM NIS-2 (Back)	
99 Remarks 1181-1 (1971) Refer prinched, FEF. NO. 86-1243. 4	61·12&7
Applicable Manufacturer's Data Reports to be attached	, ,
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<u>*</u>	
GERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this <u>For Fire Conforms</u> to the rules of the ASME Code, Section X1.  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.*  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1.**  **Position X1	
- Type Code Symbol Stamp News	
Signed Owner or Owner's Designee, Title Supt. of Plant	
CERTIFICATE OF INSERVICE INSPECTION	
& I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA.  and employed by ARKWRIGHT BOCTON MPERS, MUTUAL TNS. Co. of	
in this Owner's Report during the period SEP. 2, 1986 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 SYSTEM	
William R. Program III Commissions NB7980 PA2204 NIBS 1S Inspector Signature Commissions National Board, State, Province, and Endorsements	
Date_ JAN. 13 19.87	

1. Owner PENNS)  2 North 9 Th	LVANIA Pule Nemo ST., AllENT Address THANNA STE	R AND Light OWN PA.	CO. 18101	Date/_ Code Section  Date/_ Zo: Sheet Code Section	-86 C	<u>9. 1549</u> 	<u> </u>
40. Rox 46	7 Berwick	PA. 186	03	lis fi.	nization P	7.53.3 .0. No., Job No.,	etc.
3. Work Performed by ਨੈਂਸ	OWNER.	Name	<del></del>	Type Code Symbol Authorization No. Expiration Date	Stamp	NA NA	
	Address						
4. Identification of Sys	nom <u>EmecGe</u>	OKY Secu	uce ilar	-R		2542	<i></i>
5. (e) Applicable Com (b) Applicable Editi 6. Identification of Co	ion of Section XI Uti	ilized for Repairs	or Replacements	19 <u>80/w8</u> /	Addends, 2		,Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No,	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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4 check ins	Disting	-2-2	NI	2-10-113	1983	Petimed	<i>y'</i>
"4" chest valve	"Nchor	E3374	1.	le.	ì	Replacement	V
4 chest valve	DATLING	/_/	N/13	2-10-112	1984	REPIRCEMENT	
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IA.			1g 11 -	L	<u> </u>	<u> </u>	
7. Description of Work	Roplace .	ilatre o	with A	New EG	si vesten	,7_	<del></del>
	Hydrostatic Pr Other Pressure_	neumatic No 150 psi					
NOTE: Supplement tion in items 1 thro recorded at the top	tal sheets in form of ough 6 on this repor of this form.	f lists, sketches, o t is included on e	or drawings may i sech sheet, and (	be used, provided (1 3) each sheet is nur	) size is 8% mbered an	in. x 11 in., (2) i d the number of :	nforma- uheets is
(12/82)	This Form (E0003	IO) may be obtain	ed from the Ord	er Dept., ASME, 345	5 E. 47th 5	St., New York, N.	r. 10017

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Page 140 of 268



* FORM NIS-2 (Back)
9. Remarks 1024-1 DATH REPORT ATTENDED. PEF. NCR 86-1243. 441-12-8
Applicable Manufacturer's Data Reports to be attached
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<u>.                                    </u>
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this ************************************
Asme Cook, Section A1.
Type Code Symbol Stamp
Certificate of Authorization NoExpiration Date
Signed Date November 24 1986
Owner or Owner's Designee, Title Supt of Plant
CERTIFICATE OF INSERVICE INSPECTION
1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA. and employed by AZEWRIGHT BOSTON MEGRS. MUTUAL THE CO. of
in this Owner's Report during the period SEP. 4, 1986 to SEP. 25, 1986 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, he ther the Inspector nor his employer
shall be 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
Vince Transport
Uslican K. Kogus III Commissions NB7980 PA2204 NIBS 15. Inspector's Signature National Board, State, Province, and Endorsements
Date

•	FORM NIS-2 O	WNER S REPO	RT FOR REP.	AIRS OR REPLA SME Code Sectio	CEMENT	s /6/ A	283
					<u> </u>	1-14.9	
1. Owner PENNS)	LVANIA Rue	R AND Light	T CO.	Date	1-83		
2 North 9"				Sheet	1_/		
2. Plant SUSQUE	740.4			Unit			
P.O. Rox 46	7 Berwick	<u>PA</u> 186	03_	Repair Orga	nization P	.O. No., Job No.,	etc.
3. Work Performed by	OWNER		•	Type Code Symbol			
196 1		Name		Authorization No.			
i,	Address		<del></del>	Expiration Data		NA	
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4. Identification of Sys	tem Entergen	TY SITTE	<u> </u>		<del>- :</del>		
5. (a) Applicable Cons	struction Code <u>AS</u>	rne III 19	7_Edition	<u> </u>	iddenda, <u>I</u>	516-1 +1534	Code Case
🖚 (b) Applicable Editi	ion of Section XI Uti	ilized for Repairs	or Replacements	19 <u>80/w8</u> 1			
6. Identification of Co		na Banlacad and E	Bantanaman Can				
6. IOMITICETION OF CO	mponents nepelled t	or Nepiacad and r	TOPHICETIES CON	ponents			
	, ,						ASME
,	*	1	!	}			Code
			National	] _	1	Repaired,	Stamped (Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other Identification	Year Built	Replaced, or Replacement	
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4 check Valve			X	2-10-110	1984	Replacement	<u> </u>
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7. Description of Work	Replaced	Valve L	sith Ne	in Europe	1005		
		. —		. 6			
8, Tests Conducted:	Hydrostatic Procesure						
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	tal sheets in form of						
tion in Items 1 thro		t is included on (	each sheet, and (	(3) each sheet is nur	nbered an	d the number of i	theets.is
- incorporating top	or and routing						
(12/82)	This Form (E0003	(0) may be obtain	ed from the Ord	er Dept., ASME, 345	5 E. 47th S	it., New York, N.	r. 10017

Page 162 of 268

٤,	FORM NIS-2 (Back)
(9.	Remarks N-2 Diffit Form ATTACKED. PEF, NCL 86-1243 & NCR Applicable Manufacturer's Data Reports to be attached  \$6-0577. hpp 1-12-87
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F	CERTIFICATE OF COMPLIANCE  We cartify that the statements made in the report are correct and this <u>Ferkiement</u> conforms to the rules of the repair or replacement.
١.	Certificate of Authorization No. Ale Expiration Date No.  Signed Date December 2 19 86  Owner or Owner's Designee, Title Superintendent of Plant
कृ∫ वेश	CERTIFICATE OF INSERVICE INSPECTION  1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna.  — and employed by Arkwright Boston Mecro, Moture Inspector and especially and employed by Arkwright Boston Mecro, Moture Inspector of Waltham, MA.  — have inspected the components described in this Owner's Report during the period Sept. 2, 1984 to Sept. 18, 1984, 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 king arising from or connected with this inspection.  FACTORY MUTUAL SYSTEM  Commission PB7980 PA204 NIBS IS  Inspector's Signature  National Board, State, Province, and Endorsements
,	Date JAN 13 19.87

OWNER PENNS	LYANIA BWE	R AND Light	r Co.	Date	86		
2 North 9th	ST. AUENT	OWN PA.	18101	Sheet	01		
Plant SUSQUE	HANNA STE	AM Electric	STATION	Unit a		· <del></del>	
	7 Berwick	,		WA Recair Orga	V 6	44/C .O. No., Job No.,	etc.
Work Performed by	OWNER			Type Code Symbol	Stamp	NA	
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	ion of Section XI Uti			1980/W81		RM 12-15-86	
(g) Application						0	•
Identification of Co	mponents Repaired (	or Replaced and P	leplacement Cor	nponents		re .	•
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			National			Repaired,	Stamped
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Component	Menufacturer	Serial No.	No.	Identification	Built	or Replacement	or No)
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6 · · · · · · · · · · · · · · · · · · ·	Kerlace VI	tive with	NEW	EQUIVALENT			
Description of Work				. 57			
	Hydrostatic Pr	eumatic 🔲 , No	minal Operating Test Temp				
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Tests Conducted:			e drawing mey	he weed installed the	) eizo ic 84	in. x 11 in (2) i	nforms.

lage 164 of 288

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FORM NIS-2 (Back)
9' Remarks NIPV-1 DATA ROBET ATTRICAL, REF. NCR 86-1243 &
Applicable Manufacturer's Data Reports to be attached  ACR 86-0577, May 1-12-87
\$
Ŷ.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>fellow and COT</u> conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp Archite
Certificate of Authorization No. N/A Expiration Date N/A
Signed Date December 2 19 86  Owner or Owner's Designed, Title Superintendent of Plant
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA.  and employed by AEKWRIGHT BOSTON MEGRS. MUTUAL INS. Co. of WALTHAM MA.  have inspected the components described to SEPT. 4, 1986 to SEPT. 18, 1986, 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 SYSTEM
William R. Rogers III Commissions NB7930 PA2204 NIBS IS
William R. Roque III Commissions NB7930 PA2204 NIBS IS Inspector Signature National Board, State, Province, and Endorsements  L. Date TAN. 13 1987

(12/82)

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Ourse Donnes	Juania Dawan	& Light C	0.	Date Septembe	r 25.	/ 1986	
OwnerPEIIIS	/Ivania Power	<u> </u>	<del></del>				
Two North	Ninth St. A	llentown.	PA	Sheet 1 of			·
	ehanna Steam			Unit 2		····	
	Name Box 467, Berw	ick DA 1	8603	COC C		1000	
. F.V. C	Address	ick, in a	-	E&S Const./	WA#_VO	4006 O. No., Job No.,	ete.
What Bartamad hu	<u>Pennsylvania</u>	Power & L	ight Co.	Type Code Symbol S		None	
		Name		Authorization No.		N/A	
Two North	Hinth St., Al	Tentown, P	A 18101	Expiration Data		N/A	
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Identification of Sy	ESW Loop I	3, System	<u>254B, Clas</u>	<u>s 3</u>			
	ACM	C 111	71	Thru U 172 .		N/A	
(a) Applicable Con	struction Code_ASM	<u>E 111 19</u>	Edition,_	1111U W 72 A	ddenda,	11/ /1	_Code
(b) Applicable Edit	ion of Section XI Uti	lized for Repairs	or Replacements	19 OU W 01			
Identification of Co	mponents Repaired o	r Replaced and F	Replacement Con	nponents			
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			National			Repaired,	Stam
Name of	Name of Manufacturer	Manufacturer Serial No.	" Board " No.	Other Identification	Year Built	Replaced, or Replacement	or N
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· Page 166 of 288



	FORM NIS-2 (Back)
	Remarks N/A
•	Applicable Manufacturer's Data Reports to be ettached
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	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this replacement, conforms to the rules of the repair or replacement
	ASME Code, Section XI.
	•
	Type Code Symbol Stamp N/A
	N/A
	Certificate of Authorization No. N/A Expiration Date N/A
	siens · La Blakeslee J. 11-25-86 19
	Owner or Owner's Designes, Title Superintendent of Plant
_	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stor Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins.Co
	Waltham, Massachusetts have inspected the components describ
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ን፡	in this Owner's Report during the period 569.7, 1986 to Oct. 5, 1986, and state the
ን፡	til fills Ottiffe s (report dering the benedation)
ን፡	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in t
ን፡	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to Owner's Report in accordance with the requirements of the ASME Code, Section X1.
Ť:	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this pertificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to the ASME Code, Section XI.
<b>7</b> :	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this pertificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
<b>7</b> :	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to Owner's Report in accordance with the requirements of the ASME Code, Section X1.  By signing this pertificate 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 employshall 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.
<b>7</b> :	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this pertificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employshall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with to inspection.  Factory Mutual System
<b>7</b> :	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to Owner's Report in accordance with the requirements of the ASME Code, Section X1.  By signing this pertificate 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 employshall 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.

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. Owner <u>Pennsyl</u>	IANIA POLIET	AND LIGHT	Co	Date	86	<i></i>	
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					VI <del></del>		<del></del>
Plant Suspiel	ANNA STEL	m Electric		Unit			
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	7.00	, <del>-</del>		Type Code Symbol			etc.
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(a) Applicable Cons	truction Code	<i>E I</i>	7/ Edition,	<u> </u>	Addenda,	n!/A	Code Car
(b) Applicable Editi	on of Section XI Ut	lized for Repairs	or Replacements	19 <u>80 WZ</u> /		1	
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toentineation of Co.	ripolients riepeneo (	or mepreced and m	ebiecejinent con	iponents			
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	· 				1		Code
, .	,		National		1	Repaired,	Stamped
Name of	Name of	Manufacturer	Board	Other	Year	Replaced,	(Yes
Component	Manufacturer	Serial No.	No.	Identification	' Built	or Replacement	or No)
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Description of Work Tests Conducted:	Removed  Hydrostatic Prossure	eumatic No	/// O/C AT7/ minal Operating Test Temp,	Pressure F	NON E	E	
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Page 168 & 288

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	` F	FORM NIS-2 (Back)		
, Remarks NA	Applicable	Manufacturer's Data Reports	to be attached	
	. 1/-1			
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We certify that the ASME Code, Section XI.		FICATE OF COMPLIANCE report are correct and this	effices conform	ns to the rules of the
Type Code Symbol Stamp_	N/A			
Certificate of Authorization	No. NA	Expiration (	Date_N/A	
Signed Owner or Owner	s Designee, Title Sup	Date	November 7	, 1986
w2 ·	CERTIFIC	ATE OF INSERVICE INSPEC	TION	
		by the National Board of Boile ed by <i>ARKWRIGHT B</i> OSZ		
WALTHAM MA		·	_have inspected the o	components describe
in this Owner's Report du		has performed examinations a	P. 16, 1986	•
'		of the ASME Code, Section XI		soles described in the
By signing this certifica	te neither the Inspector n	or his employer makes any wa	arranty, expressed or in	aplied, concerning th
		this Owner's Report, Furthern or property damage or a loss of FA		or connected with thi
William R. Ru Inspecto	S Signature	Commissions NB7980	PA2204 Board, State, Province,	NIBS IS
Date NOY, 12.	19.86			• •,

OWNER PENNSY	LVANIA Pow	ee AND Ligh	T CO	Date//- 2	0-86	<i>`U</i> .	
2 North 9	A ST. Alle	NTOWN PA.	18101	Sheet	ot		
	ANNA STEAM			Unit			
	· · ·				. V2	4645	*
0 Box 41	7 Berwie	<i>F</i> 1 <i>H</i> ·	223	Repair Orgi			etc.
Work Performed by	_OWNER_	Name		Type Code Symbol Authorization No.			
				Expiration Data		V/A	
A(\$1) A.	Address stem Coutrol	Don't 4	YAPANIES			) es	<del> 77</del>
Deutitication of 24	Coorer		/Conjustino	·			<u> </u>
				W-75	Addenda,	NONE	Code Cas
(b) Applicable Edit	ion of Section XI U	tilized for Repairs o	or Replacement	19 80/WBI			_
Identification of Co	mponents Repaired	or Replaced and R	eplacement Cor	noonents			5
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	<b>!</b>	1. 1			1		ASME
			Alasia 1		<u> </u>	Renaired	Code
Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced,	Code Stamped (Yes
Name of Component	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built		Code Stamped
	Manufacturer		Board			Replaced,	Code Stamped (Yes
Component	Manufacturer  CASPENTER		Board		- Built	Replaced,	Code Stamped (Yes
Component  /AIVC DISC	CAPPENTER TECHNOLOGY DRAGON	Serial No.	Board No.	W-10-35	Built   1977	Replaced, or Replacement	Code Stamped (Yes
Component  /AIVC DISC	Manufacturer  CAPPENTER  TECHNOLOGY  DRAGON	Seriel No.	Board No.	Identification	Built   1977	Replaced, or Replacement	Code Stamped (Yes
Component  /AIVC DISC	CAPPENTER TECHNOLOGY DRAGON	Serial No.	Board No.	W-10-35	Built   1977	Replaced, or Replacement	Code Stamped (Yes
Component  /AIVE DISC	CAPPENTER TECHNOLOGY DRAGON	Serial No.	Board No.	W-10-35	Built   1977	Replaced, or Replacement	Code Stamped (Yes
Component  /AIVE DISC	CAPPENTER TECHNOLOGY DRAGON	Serial No.	Board No.	W-10-35 W-10-35	Built   1977	Replaced, or Replacement	Code Stamped (Yes
	CAPPENTER TECHNOLOGY DRAGON	Serial No.	Board No.	W-10-35	Built   1977	Replaced, or Replacement	Code Stamped (Yes
Component  VAIVE DISC  VALVE DISC	CAPPENTER TECHNOLOGY DRAGON	Seriel No.  #7# 77363  #1# 842109	Board No.	W-10-35 W-10-35	Built   1977	Replaced, or Replacement	Code Stamped (Yes
Component  /AIVC DISC  VALVE DISC  Description of Work	Manufacturer  CAPPENTER  TECHNOLOGY  DRAGON VAIVE  REWORK	Seriel No.  HT# 77363  HT# 842109	No.  NO.  NO.  NO.	W-10-35	Built   1977	Replaced, or Replacement	Code Stamped (Yes
Component  VAIVE DISC  VALVE DISC  Description of Work	Manufacturer  CASPENTER  TechNoLOGY  DRAGON VAIVE  REWORK  Hydrostatic   P	Serial No.  HT# 77363  HT# 842109	Board No.  N/A  Al/A  Terwal S  minal Operating		Built   1977	Replaced, or Replacement  Replace D  Perlacement	Code Stamped (Yes
Component  /AIVC DISC  VALVE DISC  Description of Work	Manufacturer  CAPPENTER  TECHNOLOGY  DRAGON VAIVE  REWORK	Serial No.  #1 [#] 77363  #1 [#] 842109  ***********************************	Board No.  N/A  Al/A  Terwal S  minal Operating		1977 1984	Replaced, or Replacement  Replace D  Perlacement	Code Stamped (Yes

Page 170. of 288



FORM NIS-2 (Back)
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9% Remarks A)/A Applicable Manufacturer's Data Reports to be attached
Application manufacturar's bata naports to de atteched
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>fella parted</u> conforms to the rules of the
ASME Code, Section XI.
Type Code Symbol Stamp Abrile
1
Certificate of Authorization No. Ala Expiration Date
Signed December 2 19 86
Owner or Owner's Designes, (itie) Superintendent of Plant
<u>6                                    </u>
CERTIFICATE OF INSERVICE INSPECTION
is 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGES. MUTUAL INS. Co. of
in this Owner's Report during the period SEPT 2, 1986 12.15 to SEPT. 7, 1986 12.15 et., 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,
<del>-</del>
Commissions NB7980 PA2204 NIBS IS  Inspector's Signature Commissions National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
y ·
Date DEC- 15 19.86

•	FORM NIS-2 O As Requi	WNEA'S REPOR	RT FOR REP sions of the A	AIRS OR REPLA ISME Code Sectio	CEMENT	gae /71	H-
1. Owner PENNSY  2. North 9 ² 2. Plam Susaveh  P.O. Box 46	LVANIA POWE NAME A ST. Alle Address ANNA STEAM NAME	e AND Light MOWN PA. Electric ST	r Co 18101 ATTON	Sheet /	1-76 01_1_	296 /// 216.46- 20. No. 100 No.	# J
3. Work Performed by	OWNER Address	Name		Type Code Symbol Authorization No., Expiration Date		N/A N/A 255B	
4. Identification of Systems 5. (a) Applicable Cons (b) Applicable Editi 6. Identification of Cos	struction Code <u>ASS</u> ion of Section XI Uti	lized for Repairs o	74 Edition, r Replacements	19 <u>80/W</u> BI	Addends,		Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yéer Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes 'or No)
YALVE DISC.	CARPENTER Technology	HT #77363	Nja	I-06-35	1977	Fedired	4'
VALVE DISC.	DRAGON VAIVE	HT # 842109	Na	T-06-35	<u></u> 19*84	Redixerent	<i>y</i> .
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C Description of Work		Vi+lv'e	TATINA	<u>s</u>			
	rugh 6 on this repor	psi lists, sketches, or	Test Temp	be used, provided (1	3 EXC), ) size is 8% mbered and	in. x 11 in., (2) i	informe-` sheets is '



Page 172 of. 288.

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9. Remarks
Applicable Manufacturer's Data Reports to be attached
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1
CERTIFICATE OF COMPLIANCE
ASME Code, Section XI.  We certify that the statements made in the report are correct and this Replicance Conforms to the rules of the ASME Code, Section XI.
. , . \$
Type Code Symbol Stamp None
Certificate of Authorization No. NA Expiration Date NA
Signed Owner's Designee, Title Superintendent of Plant
buberintendent of riant
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA.  and employed by ARKWEIGHT BOCTON MEGES. MUTUAL INS. Co. of
1 946 x 1 /
in this Owner's Report during the period Oct. 2,1986 to Oct. 7, 1986
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 SYSTEM
TO THE TE
Commissions National Board, State, Province, and Endorsements
-Date_DEC. 15 19.86

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI Vage 173 of 388

2 North Nint	Address			Sheet 1 c	·1	2	
Susqueha	mna Steam F	lectric Sta	tion	Unit 2			
* P.O. Box	No 467, Be		18603	Work Author		2 1133030	
	Address					O. No. JOE No.,	ott.
. V≈ik Performed by_	Owner			Type Code Symbol	Stamp	NA	
•		Name		Authorization No.		NA ·	
•	Adores	<del></del>	•	Expiration Date	<del>_</del>	NA	
Algentification of Sys	•	or Water Cle	eanup Clear	nup Sys 2-61	вт )		
, Albertation of Sys	<b>-</b> 111			·			
, (a) Applicable Cons	arucaion CodeA	SME III 19	$\frac{71}{}$ Edition,	Winter 72	ddenda,_		Cod
(b) Applicable Epitie	on est Section XI U	dized for Frenis	or Replacement	s 19 <u>80, j</u> vinte	r 31	Addenda	
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. Identification of Cor	aponeras Repeired	or Repisced and P	Replacement Cor	mponents			
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	,	1	National	* **		Repaired	Sta
er Name of	Name of	Manufacturer *	Board	Other	Year -	Replaced,	r
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement	Or
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	Replaced	and Machine	ed Disc (	Heat# E2432)	•		
L. Description of Work	Replaced	and Machine	ed Disc (	Heat# E2432)			

(:2:22)

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

Page 174 of 288

FORM NIF . (Back)

	Attached
nen	. Applicable Manufacturer's Data Reports to be attached.
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<u></u>	•
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this Replacement conforms to the rules of
24	ME Code, Section XI.
~3	inter parang anastant 1738
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<b>T</b>	De Cooe Symbol Static NA
·Υ	T CONT STILL SUITE
<b>^</b>	rificate of Authorization No. NA Expiration Date NA
Cer	rifficate of Authorization No
	ned
Siç	Owner or Owner's Designee, Tipe
	CERTIFICATE OF INSERVICE INSPECTION
	the undersigned, nothing a valid commission issued by the National Board of Boiler, and Pressure Vessel Inspectors and the
	Province of PENNA and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL INS. CO.
QT I	have inspected the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the co
	this Owner's Report ouring the period SEPT'. 10, 1983 to OCT. 6, 1983 and state
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	the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
Ů,	rner's Report in accompance 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
	minations and corrective measures oescrabes in this Owner's Report. Furthermore, neither the Inspector nor his emp
	Ill be liable at any manner for any personal injury or property damage or a loss of any kind arising from or connected with
ins	pection.  FACTORY MUTUAL SYSTEM
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L	Commissions PA2204  Encogors Sepreture  Commissions PA2204  National Board, State, Province, and Endorsement  To JAN 24  15.85
	TIED TO STATE THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF
Da	16 JAN 24 15 B.S.

_	Ninth St. A			Sheet 1	·		
Plant Susqu	ehanna Steam	Electric 2.	tation	Unite 2			
· P.O.	Box 467, Berw	ick, PA 1	8603	E&S Const./W			
	Ad <del>ia.</del> Pennsylvania	Power & 1	ight Co.			None	ete.
Work Perfermed by	Pennsylvania	Neme	19110 00.	Type Code Symbol : Authorization No		N/A	
Two North	Ninth St., Al	lentown, P	A 18101	Expiration Date		N/A	
Identification of S		ation Inst	System	261C. Class	1	•	
			· · · · · · · · · · · · · · · · · · ·				
				Thru W '72	ddende;_	N/A	_Code
(b) Applicable Edi	tion of Section XI Uti	lized for Repairs o	or Replacement	19 <u>80 W'81</u>		•	
Identification of C	omponents Repaired o	se Clanianed and B	lanianamana Ca			_	
TOTAL TOTAL CONTROL OF CA		A THOMSON AND THE	opiocollient co				
Name of Component	3 Name of Manufacturer	Manufacturer Serial No.	National Board, No.	, Other Identification	Yeer Suit	Repaired, Replaced, or Replacement	AS Co Stan (Y
Mechanical	Pacific			SP-DCA-		Replace-	
Shock	Scientific	29006	N/A	233-H3003	N/A	ment	No
MECHANIAI SHOCK	PACIFIC SCIENTIFIC	22980	NIA	SP-OCA- 233-H3003	NA	REPIACED	NI
<u> </u>	JUJENITY G.	•	<del>``</del>	635-N3003			
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	Replace exi	sting snub	ber with	<u>functionally</u>	teste	<u>d replaceme</u>	nt
Description of Wor							

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

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Page 176 of 288



· •	FORM NIS-2 (Back)
Remerks N/A	
Applicable	Manufacturer's Data Reports to be estaclied
• •	•
CERTI	FIGATE OF COMPLIANCE
We cartify that the statements made in the	sport are correct and this <u>FCD a CEMED t</u> conforms to the rules of
ASME Code, Section XI.	repair or representant
Bri	
Type Code Symbol Stamp N/A	
Certificate of Authorizedon No. N/A	Expiretion Date N/A
( ( 200 )	0
Signed Owner of Owner a Deviance. Title Supply	Intendent of Plant
Super	The deficient of Figure
CERTIFIC	ATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued i	the National Board of Boiler and Pressure Vessel Inspectors and the S Arkwright Boston Mfgrs Mutual Ins.Co
Waltham, Massachusetts	have inspected the components descr
in this Owner's Report during the period Sap. 1	2, 1986 to Oct. 5, 1986, and state
	has performed examinations and taken corrective measures described in
Owner's Report in accordance with the requirements of By signing this cartificate neither the Inspector re	or the Asms Code, section A1. Or his employer makes any warranty, expressed or implied, concerning
	this Owner's Report. Furthermore, neither the Inspector nor his empl
shall be liable in any manner for any personal injury of inspection.	or property damage or a loss of any kind arising from or connected with $\frac{1}{2}$
- 4	Factory Mutual System
William K. Rogers IV	Completors PA 2204 NB7980 NIBS TS
William R. Rogers III	Netional Board, State, Frovince, and Endorsement
Date DEC. 2 1986	
Desc 1986	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI / 177 / 2

2. Plant Susqueh	Address	lectric Sta	tion	Sheet 1		_
2. Plant Susqueil	Name	Tectife Sta		Unit		
P.O. Bo	x No 467, Be	rwick, PA	18603	Work Auth	norizat	ion U34021
	Address			Repair Orpe	nization P	.O. No., Job Nor,
ਾ 3. Work Performed by	Owner			Type Code Symbol	Stamp	NA
	1	Name		Authorization No.	· .	NA
·	Address			Expiration Date	•	NA
4. Identification of Sys		- Water Cle	an - (in 261	_RITT		
4. Topintineation of Sys	<u>Keaccor</u>	. Macci orc	111 (dp 201	-0111)		
5. (a) Applicable Cons	truction Code ASI	<u>1E III 19</u>	71 Edition,	Winter 72	ddenda,_	<u>N</u> A
5. (a) Applicable Cons  (b) Applicable Editi	on of Section X1 Uti	lized for Repairs o	r Replacement	19 <u>80 Winter</u>	81 Ad	ldenda
;						
6. Identification of Co	mponents Repaired o	or Replaced and R	eplacement Co	mponents		
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Name of	Name of	Manufacturer	National Board	Other	Yeer	Repaired, Replaced,
Component	Manufacturer	Serial No.	No.	Identification	Built	or Replacement
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Clean-up Sys.			<del></del> -	/		
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		tand Studs	and Nucs		<del></del>	
7. Description of Work	· Replaced (					
7. Description of Work	Hydrostatic Po	eumetic 🔲 Nor	nical Coemic	o Processor [7]		

Page 178 of 288

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FORM NIS-2 (Back) Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement , ASME Code, Section XI. •" Type Code Symbol Stamp. Expiration Date Certificate of Authorization No. j. Owner or Owner's Designee, Title ٠, ÷, CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL INS. CO. of or Province of PENNA. have inspected the components described WALTHAM ဘ in this Owner's Report during the period FEB. 26 to MAR. 4, 1985 1285 01 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. ø 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 FACTORY MUTUAL SYSTEM Commissions PA2204 NB7980 NIBS 1 National Board, State, Province, and Endorsements Date MARCH 4



	Owner PENNS	YLVANIA FOUE Name	R & LIGHT	<u>Co.</u>	Daio 166	&		
×,	Two 11. 92	ST. ALLENTON	N PH 181	01.	Sheetc	of		
<b>⊀</b> 2.	Plant SUSQUEHI	MANY STEAM	ELECTRIC ST	MITON	Unit Z_			
rv	PO P. 11	Name	04 196	Λ <b>3</b>	WA V44	1260		
<b>*</b> =		7 BERWICK		<del></del>			.O. No., Job No.,	etc.
3.	Work Performed by	OWNER			Type Code Symbol	Stamp	NIA	
•	•	ø r	Name	•	Authorization No Expiration Date	11/0	<u> </u>	
		Address						
4.	Identification of Sys	nem_ <i>REALTOI</i> Z	· WATER*	CLEANDA	- System 6	/ A	CLHSS 3	
<u>. (مغ</u>	(a) Applicable Cons		HE TIT	7/	Warres 72.		NIA	
<b>*5.</b>	<ul><li>(a) Applicable Cons</li><li>(b) Applicable Editi</li></ul>	truction Code //	vilized for Benaice	Edition,_ or Replacements	19 BC / WINE	ddenda,_ rp <i>A (</i>	ADDENSA.	_Code C
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6. ¥↓.	Identification of Cor	mponents Repaired	or Replaced and R	Replacement Con	nponents			
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		,		. (1	]			ASM! Code
	Alama of	Nome of	Manufacturer	National		Year	Repaired, Replaced,	Stamp (Yes
	Name of Component	Name of Manufacturer	Serial No.	Board No.	Other Identification	Built	or Replacement	·
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1	FEMALE FLANCE	NATIONAL ELANGE AND	H.T. * BHH77	NIA	5P- EBL - 203 · B	1983	REPLACEMENT	NO
			U.S. HATZPY	N/A hear	ITEM ZA.A.	1903	TIETZHCCHEN,	///
1	FEMALE SW FLANCE	LADISH	H.T.# MTZBH	NIA	,,	1979	REPLAKED	NO
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	Description of Work	WELDED NE	W FLANGE	TO EXISTI	NG FLOW TH	RAUSMI	TTER FT -	245
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Page 180 of 288

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	FORM NIS-2 (Back)
	Remarks N/A
	Applicable Manufacturer's Data Reports to be attached
	<u>·                                      </u>
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this KEPLAKEMENT conforms to the rules of the ASME Code, Section X1.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date N/A
	Signed Thomas M June January 7 1986
_	Owner or Owner's Designee, Time Superintendent of Plant
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Star
	or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL INS. Co., WALTHAM MASS. have impected the components describe
	in this Owner's Report during the period N&V. 14, 1984 to DEC. 19,1984, and state.th
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th 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 employ 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. FACTURY MUTUAL SYSTEM
	William R. Rogero III Commissions NB 7980 PAZZO4 NIBSIS
	Unition R. Royelo III Commissions NB 7980 PAZZO4 NIBSIS Inspector & Signature National Board, State, Province, and Endorsements
	Date JAN. 20 19.86

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI Date April 1, 1986 1. Owner Pennsylvania Power & Light Co. Two N. 9th st. Allentown, PA ă. 2. PlantSusquehanna Steam Electric Station WA V-53135 Repair Organization P.O. No., Job No., etc. 3. Work Performed by Owner Type Code Symbol Stamp_ Authorization No.___ Expiration Data___ 5 Address 4. Identification of System Reactor Water Cleanup - System 61B - Class 3
P+V 68 MARCH 70 CB 4118 86 20 MARCH 70 CB . 5. (a) Applicable Construction Code ASME HIL (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80/Winter 180 Î. 6. Identification of Components Repaired or Replaced and Replacement Components ₫. ASME Code Stamped Recaired. National Replaced, (Yes Name of Name of Manufacturer Board Other Year or No) or Replacement Manufacturer Serial No. No. Identification Built Component Union ..Pump 284174 .N/A . 2P-221B 1972 Repair No B) ¥ 7. Description of Work Repair and rework RWCU pump internals to correct leakage 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X Other Pressure 1190 psi Test Temp. 533 °F 24 NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) Informstion 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

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recorded at the top of this form.

Page 182 Of 288

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•	FORM NIS-2 (Back)
	9. Remarks N/A Applicable Manufacturer's Data Reports to be attached
	•
	CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol StampN/A
	Certificate of Authoridation No. N/A Expiration Data N/A
	Signed Owner's Designes, Titte Superintendent of Plant 1986
Ì	
	CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S or Province of PENNA.  and employed by ARKWRIGHT BOSTON MEGRS. MUTUAL THS. Ca
	WALTHAM MA. have inspected the components describe this Owner's Report during the period AUGUST 12,1985 to AUGUST 13, 1985, and state to
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
	inspection, FACTORY MUTUAL SYSTEM  William R. Rogers II Commissions NB 7980 PA 2204 NIBS TS  Inspector's Signature National Board, State, Province, and Endorsements
	William P. Rogers II Commissions NB 7980 PA 2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements  Date 4-18 1986

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMEN As Required by the Provisions of the ASME Code Section XI 11-5-86 18101 STEAM V63023 Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp_ Authorization No. _ Expiration Date_ Address ¥7. . . 4. Identification of System, Reacore CKANUD WATER 5. (a) Applicable Construction Code ASME 75 19 74 Edition, WZZ Addenda, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 UT/ 6. Identification of Components Repaired or Replaced and Replacement Components ASVE Cooe Repaired, Stamped National (Yes Replaced, Name of Name of Manufacturer Board Other Year or Nol or Replacement Serial No. Component Manufacturer No. Identification Built NCJA/Howner C10 CesperATION DISC ARWAY D15-A 1986 NOVA /HUMET C10 عدان COSPOSATION 1980 YARWA Y C15-A NOVA/rowmer CIC NIA Disco COSPECATION . "7. Description of Work Replace B EXEMPT g8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure_ psi Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% in. x 11 in., (2) informa-

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recorded at the top of this form.

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tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is

* Page 181 of 288



## FORM NIS-2 (Back)

Remarks A) 7 DATA Report ATTIFFACE Applicable Manufacturer's Data	Reports to be attached	
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CERTIFICATE OF COMPLI		
We certify that the statements made in the report are correct and	this Kephacement confe	orms to the rules of the
ASME Code, Section XI		
Type Code Symbo! Stamp NONE		
Type Code Symbol Stamp		
Carrificate of Saluthorization No	piration Date	
Certificate of John Mary	•	0.4
Signed VIVI ( strum	Date November 7	19
Owner or Owner's Designee, Title Supt. of Plant	ŧ	
CERTIFICATE OF INSERVICE	INSPECTION	
), the undersigned, holding a valid commission issued by the National Board	of Boiler and Pressure Vessel	Inspectors and the State
or Province of PENNA. and employed by ARKWRIGHT	BOSTON MEGES MUTU	AL THS. Ca of
WALTHAM, MA.	have inspected the	
in this Owner's Report during the period SEP 29,1986	10 Oct. 5, 1986	, and state that
to the best of my knowledge and belief, the Owner has performed examin	nations and taken corrective m	neasures described in this
Owner's Report in accordance with the requirements of the ASME Code, Se	ection XI.	
By signing this certificate neither the Inspector nor his employer make	es any warranty, expressed or	implied, concerning the
examinations and corrective measures described in this Owner's Report.	Furthermore, ne ther the Ins	pector nor his employe
shall be liable in any manner for any personal injury or property damage o		
inspection.	FACTORY MUTUAL !	System
13.11. 22 · · · · · · · · · · · · · · · · · ·	אחפפאת חסקמם	MIDO TO
Welliam K. Rogers III Commissions 111	B7980 PA2204 National Board, State, Provinc	NTRO TO
(William F. Forger III Commissions NI Insperior's Signature	iverione poets, State, FIGNIS	.a, and Finalisaments
Date DEC. 3 19.86		
19 D 6		

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENT As Required by the Provisions of the ASME Code Section XI 11-5-86 1. Owner PRINSYlvania Ruer AND Light Co. Date ____ 2 North 9Th ST. Allewrown WA V63023 Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp__ 3. Work Performed by ONER Authorization No. _____ NA NA Expiration Date____ Address 2-613-11 Cleanop REACTOR WATER 4. Identification of System___ 5. (a) Applicable Construction Code Asm & TI 19 74 Edition, w72 Addenda, 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Stamped Repaired. National (Yes Replaced. Name of Manufacturer Board Other Year Name of or Replacement or No) Manufacturer Serial No. No. Identification Built Component VARUER Y D15-A. NIA R2213 1986 REDINGMENS STON NOVA/HOWMER C10 1980 CACPERATION NIO D15-A YATWAY 1986 Roplacement STEM ASSEMU . p. an r . ¢.

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPL · As Required by the Provisions of the ASME Code Section XI 11-24-86 1. Owner PENNSYLVANIA Date. Berwie Type Code Symbol Stamp_ 3. Work Performed by_ NA Authorization No. _ NA Expiration Date_ Address WATER Percus 4. Identification of System_ 5. (a) Applicable Construction Code Asine VIII 19 71 Edition, Addenda... (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 50 68/ 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired. Stamped National (Yes Replaced, Name of Manufacturer Board Name of Other Year or No) Built or Replacement Component Manufacturer Serial No. No. Identification 52975 F 207 2334C1

7. Description of Work	GRIND OUT DEFEITIVE	Dinghram	AND WELL A A	lew Diapheam	PACK UN HEAT	EX
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8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

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Page 187 of 280.

FORM NIS-2 (Back)
9. Remarks N/A Applicable Manufacturer's Data Reports to be attached
Applicable Menujecturer's Data Reports to be attached
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Lightly conforms to the rules of the
ASME Code, Section XI.
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5 Type Code Symbol Stamp A)CAIC
Certificate of Authorization No. N/A Expiration Date N/A
Signed
Owner or Owner & Designed, Title Supt. of (P) ant
CERTIFICATE OF INSERVICE INSPECTION
, I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
The components described
was THAM. MA. have inspected the components described to SEP. 30, 1986, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
سم Owner's Report in accordance with the requirements of the ASME Code, Section XI. والمحافظة المحافظة
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 SYSTEM
William F. Roque II Commissions NB7980 PA2204 NIBS IS

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENT As Required by the Provisions of the ASME Code Section XI 4/3/84 Pennsylvania Power & Light Co. 1. Owner _ Two North 9th. St. Allentown, PA Address Susquehanna Steam Electric Station Name *P.O. Box 467, Berwick, PA 18603 WA-834059, WA-U34025, WA-U34094,WA-U34102 Address Repair Organization P.O. No., Job No., etc. 3. Work Performed by Type Code Symbol Stamp= Authorization No.. Expiration Date Address #262 A, C.1. ] SUS. Control Rod Drive 4, Identification of System___ 5. (a) Applicable Construction Code Section III (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80, W80 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Stamped Repaired, National Replaced, (Yes Name of Name of Manufacturer* Board Other Year Component Manufacturer Serial No. » Identification or Replacement or No) No. Bullt Control Rod General Drive Electric 2722 · Replaced Control Rod General Drive Electric 5494 Replaced Control Rod General 4236 Replaced Drive Electric Control Rod **General** 4482 Drive Electric Replaced *Control Rod General Drive Electric 3951 Replaced Replaced defective Control Rod Drives 7,4. Description of Work 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% in. × 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.

Other Pressure 1025 psi Test Temp. 535 F

(12/82)

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Page 189 of 280



## FORM NIS-2 (Back) 9. Remarks. Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this report are conforms to the rules of the ASME Code, Section XI. ₹ 1 Type Code Symbo! Stamp, Expiration Date_ Certificate of Authorization No. Owner or Owner's Designee, Title 4 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hrkwright Boston Mfg. the components described in this Owner's Report during the period. to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection, Commissions NB88

(12/82)

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Page 190 of 288

- Owner Pennsylvania Power & Light Co.
   Two North Ninth Street
   Allentown, PA 18101
- Plant Susquehanna Steam Electric Station
   P.O. Box 467
   Berwick, PA 18603
- 3. Work Performed by Owner
- 4. Identification of System Control Rod Drive SUS #262
- 5a. Applicable Constr. Code Section III, 1971, W72, Code Case 1361
- b. Section XI, 1980, W80 Addenda

:0	NAME OF COMPONENT	NAME OF MANUFACTURER	MANUFACTURER SERIAL NO.	REPAIRED, REPLACED, OR REPLACEMENT
Ś	Control Rod Drive	GENERAL ELECTRIC	5533	Replacement
<del></del>	Control Rod Drive	GENERAL ELECTRIC	7900	Replacement
<b>D</b>	Control Rod Drive	GENERAL ELECTRIC -	٠ 5270 ٠	Replacement
? :	Control Rod Drive	GENERAL · ELECTRIC ·	5672	Replacement
^7	Control Rod Drive	GENERAL ELECTRIC	- 5138 ·	Replacement

YEAR BUILT	ASME CODE STAMPED
5533-1974	Yes
7,900–1978	Yes
5270-1973	Yes
5672-1974	Yes
5138-1974	Yes

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Owner PONNSY!  2 NUTTH 9 ^T Plam SUSQUE  P.O. Bux 46  Work Performed by  Identification of Sy	Annie Power Name ST. Alkar Address Henna STEAM Name T Perwick Address OWNER	AND Light  D.UN PA  FRATOS  PA. 1	Co, IXIOI SPHOV	Date	V5-34 Stemp	14.7 .O. NO., JOD NO., NA	
(a) Applicable Con (b) Applicable Edit	struction Code <u>AS/11</u> ion of Section XI Util mponents Repaired o	277 19	or Replacement	: 19 <u>۶۵ س۶/</u>	Addenda,_	N/n	Code Case
* Name of Component	Name of Manufacturer	Manufacturer Serial No.	- National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Disc.	NOVA/Howner	C7	NA	HV24:F001	1979	Replacen	ÿ
Ten Assembly	YArway	CIOA	NA	HVZ41FOOI	1970	Replacement	y'
				-			
Description of Work	Rework	Volve =	Drechals			1	
	Hydrostetic 🔀 Pn Other 🔲 Pressure_						ı
	tal sheets in form of ough 6 on this report of this form.						
/82)	This Form (E0003)	0) may be obtain	ed from the Or	ler Dept., ASME, 34	5 E. 47th S	St., New York, N.	Y. 10017

Page 192 of 288



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్షి9.	Remarks N-Z DATA REPORT ATTICKS    Applicable Manufacturer's Data Reports to be attached	-
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4) '		
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	CERTIFICATE OF COMPLIANCE	
	We certify that the statements made in the report are correct and this Reference or replacement conforms to the rules of the ASME Code, Section XI.	
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ائ <del>ر</del> ف		1
	Type Code Symbol Stamp_NONE	
Z		
	Certificate of Authorization No. HA Expiration Date HA	1.
4	Signed November 7 19 86	
3	Owner or Owner's Designee, Title Supt of Plant	1
ـــادٍّ.		1
,	CERTIFICATE OF INSERVICE INSPECTION	1
1	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State	l
a	or Province of PENNA. and employed by ARKWRIGHT BONTON MEGES MUTUAL INS. Ca of	
	WALTHAM MA. have inspected the components described	
	in this Owner's Report during the period SEP. 10, 1986 to Oct. 1986 , and state that	
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	1
	Owner's Report in accordance with the requirements of the ASME Code, Section X1,	
	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	1
**	inspection.  FACTORY MUTUAL SYSTEM	l
4	Western MetoAc Stotem	
4	William R. Porgeso III Commission, NB7980 PA2204 NIBS IS	1
ŀ	Inspector's Signature National Board, State, Province, and Endorsements	
	William R. Property Commissions NB7980 PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements  Date NOY. 18 19 86	1
ġ	Date_HOY_1819_86	

Name P.O. Box 467 Berwick PA 18603  Address  Work Performed by OWNER  Name  Address	ype Code Symbol S Lutharization No	izetion P. Itemp	O. No., Job No.,	etc.
Work Performed by WNER A	ype Code Symbol S Lutharization No	Itamp		etc.
Address E				
	Expiration Date			
Identification of System Renetter Vessel			2-	6A.
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 Identification of Components Repaired or Replaced and Replacement Components	•		<u> </u>	
National	"%S"	Year	Repaired, Replaced,	ASME Code Stamped (Yes
Name of Name of Manufacturer Board No.	Other Identification	Built	or Replacement	l '
Disc. NOVA/HOWMET A5 & A7 NA H	W-B21-Fe02	1977	Replaces	Y
TEM ASSEMBLY JARWAY D5-D NA 1	HV-621-F:८३	1982	Replacement	Y
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

Page 194.0f 288



ş.	FORM NIS-2 (Back)
₹. • 9	Remarks 11-7 CATA GROLT ATTACKED
31 i	Applicable Manufacturer's Data Reports to be attached
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•	<u> </u>
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٠٢	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this Revise of the
	ASME Code, Section XI.
1	,
	Type Code Symbol Stamp_NON E
Å	Certificate Of Aythorization No. N/A Expiration Date N/A
i	Signed November 7 19 86
L	Owner or Owner's Designee, Title Supt. of Plant
	CERTIFICATE OF INSERVICE INSPECTION
٦	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA and employed by ARKWRICHT BOSTON MEELS MUTUAL THE CO. of
ı	WALTHAM MA. have inspected the components described
٠   ،	in this Owner's Report during the period SEP 10, 1986 to Oct. 5, 1986, 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 MITTIAL SYSTEM
	William R. Rogers III Commissions NB7900 PARROLA NIBS IS
ŀ	Usliam P-Kones III Commissions N87900 PARRY NIBS IS Inspector's Signature Commissions National Board, State, Province, and Endorsements
	Date No.y. 18 19.86
L	O#18 (1 1

tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

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FORM NIS-2 (Back)
9" Remarks ATA N-2 CATA Forms ATTOCKED
Applicable Manufacturer's Data Reports to be attached
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<del>~</del>
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this رواهدون و conforms to the rules of the
ASME Code, Section XI.
Type Code Symbol Stamp NONE
5-11-21-21-21-21-21-21-21-21-21-21-21-21-
Certificate of Authorization No. NA
Signed November 7 19 86
Owner or Owner's Designee, Title Supt. of Plant
CERTIFICATE OF INSERVICE INSPECTION
. 1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA. and employed by AREWRICHT KOSTON MEGE MUTUAL INS. Co. of
WALTHAM, MA. have inspected the components described in this Owner's Report during the period SEF 10, 1986 to OCT: 5, 1986, 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 SYSTEM
k .
Commissions NB7980 PA2204 NIBS IS Inspector/Signature Commissions NB7980 PA2204 NIBS IS National Board, State, Province, and Endorsements
*** Date NOV 17 19.8 6
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tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is

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

tion in items I through o on an experience of this form.

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. Page 198. of 200

FORM NIS-2 (Back)
Din .
Remarks N°Z DATA Perforts ATTAGED  Applicable Manufacturer's Data Reports to be attached
Applicable Walling Cities a Date Mahouts on he attached
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CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Reflix espect</u> conforms to the rules of the
ASME Code, Section XI.
Admira destription of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of
Type Code Symbol StampNDNE
Certificate of Augnorization No. NA Expiration Date NA
November 7 19 86
Owner or Owner's Designes, Title Supt. of Plant
Jupe: or riding
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNA and employed by ARKWPIGITT BOSTON MEGRS MUTUAL INS. Co. of
WALTHAM MA. have inspected the components described
in this Owner's Report during the period SEP 10, 1936 to QT. 5, 1986, 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 SYSTEM
William R. Pogeis III Commissions NB7980 PA2204 NIBS IS Inspector Signature Commissions National Board, State, Province, and Endorsements
Inspector Signature National Board, State, Province, and Endorsements
Date_NOV- 17 19.36

1. Owner FRANSY/V  2 North 9th  2. Plant Susqueha  P.O. Box 467	ST., Allenti Address MNA STARM Name	Eterric :	10/8/10/2 STPTTON	Unit 2 WA V63137 WA V63143 Repeir Organ	WAV		NAV 63378
3. Work Performed by	OWNER Address	Name		Type Code Symbol Authorization No Expiration Date	NA	·	
4. Identification of Sys 5. (a) Applicable Cons (b) Applicable Edition 6. Identification of Cons	truction Code <u>//S/</u> on of Section XI Uti	OF E 19	7/ Edition, or Replacements	19 8 WB# 0j1	ddends,	2'-621 1361 1361 10'24	Code Care
Name of Component	. Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	.ASME Code Stamped (Yes or No)
CONTICL ROLL	G. F.	A 5 S'O C	" N/A	CRO - 4.231	1971	RepinceD	Y
Courted Red Mise	G.F.	9719	NI/A	CRD-4231	1478	Replacement	Y
CINTAL POR DOWS	G.E	A4571	N/B	CRO- 2119	1981	Replaces	V
Entre Red Drives	G.F.	677.5	N/1	CRO-2619	1978	Replucement!	1
CONTICL Rad DINGS	G.E	A4:230	NIX	CRD- 2219	1971	Rellinea	Y
NOTE: Supplement	Hydrostatic Processure_ tal sheets in form of sugh 6 on this repor	eumatic No	Test Temp	Pressure 🔀	size is 8½	in. x 11 in., (2)	informa- sheets is

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* Page 200 of 288

*	FORM NIS-2 (Back)
₹.¥	Remarks N-2 DATA COPORTS FOR SCIENT #5 9219, 6885. 7514, 9161
.5.	- Applicable Manufacturer's Data Reports to be attached
7	ATTACKED TO UNIT 1 N-5 PHLAGE, N-Z DATA REPORT FOR 4453
×	A3802 ATTOCHEN
4	
Г	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this Replacement conforms to the rules of the
	ASME Code, Section XI. repair or replacement
3	Ata sum
	Type Code Symbol Stamp_NONE
4	Certificate of Authorization No. N/A Expiration Date N/A
1	Certificate of Authoritation No. 11/2
ľ	Signed 7 W Semen 7 19 86
1	Owner or Owner's Designee, Title Suptrof Plant
$\overline{}$	
ξŢ	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
1	or Province of PENNA. and employed by ARK WRI 6HT BOSTON MFGRS. MUTUAL THE COST WALTHAM, MA. have inspected the components described
1	in this Owner's Report during the period Sep. 10, 1986 to Oct. 5, 1986, 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 SYSTEM
	(1) Him R. Persent NB7980 PA2204 NIBS IS
*	Inspector/ Signature Commissions National Board, State, Province, and Endorsements
	inspection.  William R. Regelott  Commissions NB7980 PA2204 NIBS IS  Inspector Signature  National Board, State, Province, and Endorsements  Date Nov. 17  19.86
<b>~</b> !	Date No V. 17 19.86
L	

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI JULY 201 Of 366

1. Owner Armsylvaning Page And Light Co.	Date
2 North 9th ST, AlleNTOWN PA 18101	Sheet 2 of Z
2. Plant SUSQUERSINA STEAM STEATICE STATION	Unit 2 . WAY 63144 WAY 633
0.0, Box 46:7 Berwick FA. 1860 3	<u>WA V 6 314 注                                  </u>
3. Work Performed by <u>Oい</u> ルピス・	Type Code Symbol StampAl/cl
Name	Authorization No
Address	
4. Identification of System CONTROL Rod Crise.S	7-62A-I
5. (a) Applicable Construction Code ASME TIE 19 7/ Edition	n, 10 7,2 Addenda, 136/ Code Case
🛂 (b) Applicable Edition of Section XI Utilized for Repairs or Replaceme	nts 19 50 W8P AjA
6. Identification of Components Repaired or Replaced and Replacement C	Components

***	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
~•	CONTEL ROS DÍNIC	G.E.	3514	N/,1	Cen - 3319	, 7,79	Papinemenii	4
*	CENTER - Pal Crive	G.F.	A5599	N/A	CRO -57135	1931	PEPLUED	Y
	sented Red Nice	6.5	9:60	กน	CR0-5035	1978	Replacingis	Y
ŝ	(course feel prive	6.E.	A4609	NIA	CPD- 0327	1971	Replacer	У
	council Red "Delive	* *G!E, 4. * \	A3802	· N/A	CRD-0137	.गव्।	Replacement	الب
	Control Pad Prive	6.E	5603	NII+	CBU . 1043	1981	Repineo	۶,
	LINTIUL PUL DRIVE	G.F.	9453	N/11	CRD -2443	1478	lep summers	4'
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NOTH 9TA  Plant SUS QUE  Po Box 46  Work Performed by,  Identification of Sys	Address Name 7 Berwi Address  Address  Address  Address  Address  Attraction Code As	Name  3435 183  METT 19	7 Edition,	Type Code Symbol Authorization No. Expiration Date	V 63/	N/A N/A	63A-
(b) Applicable Editi Identification of Con  Name of Component			•		Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RO 3435	G.E.	A 4436	. NA	NA	1981	ReplaceD Permitted	Yes
O 3435	G.E.	A3951	NA	NA	1981	Replacment	Yes
0- 1827	3.E.	13772	N/d	N/i	1931	Replaced	y
0-1827.	G.E.	8841.	N/n	N/n	1972	Ruffice men's	<i>y</i> '
`			<u> </u>	,	<u> </u>		1
sts Conducted:	Replace Prossure Prossure	neumatic 🔲 No	minal Operating	Pressure 🗵	2	Performan	ice

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•	FORM NIS-2 (Back)
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9.	Remarks NHT N-2 ONTA Forms STANCED
4	Applicable Manufacturer's Data Reports to be attached
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1	CERTIFICATE OF COMPLIANCE
Į	We certify that the statements made in the report are correct and this <u>Replik そいせんし</u> conforms to the rules of the
-	ASME Code, Section XI.
l	ASME Code, Section A1.
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l	NAA #
ı	Type Code Symbol Stamp_NONE
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ı	N/A
70	Certificate of Authorization No. NA Expiration Date NA
4	$(\mathcal{L}_{\mathcal{M}})$
l	Signed November 7 19 86
ŷ	
-	Owner or Owner's Designee, Title Supt. of Plant
13.	
l	CERTIFICATE OF INSERVICE INSPECTION
4	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	or Province of PENNA. and employed by AREWRIGHT BOSTON MEERS MUTUAL INS. Ca of
	and employed dy The Third Table 1
63	WALTHAM MA. have inspected the components described
٤,	in this Owner's Report during the period SEP. 10, 1986 to Oct. 5, 1986, and state that
ı	
3	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.
l	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
1	
Ī	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
	FACTORY IMPROVE
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90.	William P. Provide NB7980 PA2204 NIRS TS
(10;	William R. Rogers III Commissions MB7980 PA2204 NIBS IS
£ .	Inspector's Signature National Board, State, Province, and Endorsements
l	2515, 51515, 754115, 115 2115, 115 2115
	William R. Rogero III Commissions NB7980 PA2204 NIBS IS  Inspectory Signature Commissions National Board, State, Province, and Endorsements
10	Date Nov. 17 1986
~	19.00

	As Requ	ired by the Prov	isions of the A	ASME Code Section	n XI P	192 201	<u>d 20</u>
North 9th :	NARIA PRINCE NAME S.T., AlleNTO Address	AND Light	<u>Cs</u> 18101	Date/		8	
	hanna STE, Name 16'7 Berw			Unit	WA V631		UA /E 333
Work Performed by		Name		Type Code Symbol Authorization No. Expiration Date	Stamp	NIA	
*Identification of Sy	Address stem <u>Control</u>	Rad ORING	• 5		Я	-62A - I	
(b) Applicable Edit	struction Code ASS ion of Section XI U	illized for Hepairs (	or Replacement:		ddenda,	<u> </u>	_Code Case
Name of Component	Name of Manufacturer	Menufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ottol Red Mise	6.F.	4529	Nja	CRD- 1839	1981	ReplaceD	y
TOL Rad Prive	5.5	A1059	N/A *	-20-1839	1978	Rel'Hemen	7
tal Rid Mile	6. 5.	1.4560	N /2	CRD " On. i.z.	1931	Puplices	y
TTOL Road Newe	6. E.	A115-35	Nh	CRC - 06.23			j/
rech Rod (Veive	G. F	A4235	•			1 ' '	1
Description of Work	Replace	ipn's in	)e To	CUCEANED	Enc	· for many co	•
ests Conducted:	Hydrostatic Processure	neumatic No.	minal Operating Test Temp	Pressure 🔀			
	ough 6 on this repor			be used, provided (1) (3) each sheez is nun			
2/82)	This Form (E000)	30) may be obtaine	d from the Ord	er Dept., ASME, 345	E. 47th S	t., New York, N.	Y. 10017

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FORM NIS-2 (Back)	
9. Remarks N-2 DATA REPORTS For Serial #5 217 7837, 916	7, 7708, 77.24
Applicable Manufacturer's Data Reports to be attached  Affachen To UNIT 1 N-5 Package, All others A	מבל עמדו
HIVIKAED TO UNIT I NO THATINE. HIL OTHERS TO	WINED.
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4.	<del></del>
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this Replacement conforms	s to the rules of the
ASME Code, Section XI.	
Type Code Symbol Stamp NONE	
Certificate of Authorization No. NA Expiration Date NA	
	07
Signed	, 1986
Owner or Owner's Designee, Title Supt. 91 Plant	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Ins or Province of PENNA and employed by AREWRIGHT BOSTON MFGRS MU	pectors and the State
WALTHAM MAhave inspected the co	
in this Owner's Report during the period SEP. 10, 1985 to Oct. 5, 1986	, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective meas	•
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 im	nlied concerning the
examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspec	
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from o	
inspection. FACTORY MUTUAL	
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William R. Regerett Commission NB7990 PA2204	NIBS IS
Inspector Signature Commissions 7970 PAZZUE  National Board, State, Province, of	ind Endorsements
Date Nov. 17, 19.86	•

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FORM NIS-2 OWNER'S REPORT FOR RE  As Required by the Provisions of the	
1. Owner PONNSYlvANIA POWER AND Light Co.  Name  J Abrth 9th ST., Allowown A. 18101.  Address  2. Plant Susquehanna Steam Electric Station Name  P.O. Box 467 Berwick Pt. 18603  Address	Sheet 2 of 2  Unit Z  With Volstys with V63148 with U5320 WASSI32 WHV 631  WA V63377 WA V63143 WHV63149 NA V63179 WHV 631  Repair Organization P.O. No., Job No., etc.
3. Work Performed by Oco, ver Name  Address	Type Code Symbol Stamp
4. Identification of System Control Rol ORIVES	3-63A-I

5. (a) Applicable Construction Code Nome TIE 19 7/ Edition, N 7-2 Addenda, N/12 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

u (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>ダローい</u>名の

Name of Component	Name of Manufacturer	Manufacturer Serial No,	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Crutick Ed Olive	6.E.	7735	אנא	CRO-11-39	1978	Reflicement	Y
control Red Dive	G.F.	A5465	N.1.2	1 120 - 1155	<i>jલશ્ર</i>	P.ePlaceD	Y
Control Red Mive	G.F	7744	N/1	CED-3355	1475	Kesusemer.	· y
Gruttos Rod Mive	G.F.	A3769	N/H	CRO - 0239	1481	Replaces	Y
CONTOL BUT MINE	6.E.	7809	' N/H	CRO-0737	אַרָהָּו	PUPLICEMENT	Y
Contine Red Clive	GE	173180	<i>N/a</i>	100-0647	1951	Rerineo	¥
CINTIDL Pol DINE	G.E	7774	tila .	1.RC - 0447	-179	Refleemon	γ
Central Rel Drive	G. E.	A4358	N/A	CPC - 5723		Roplacen	у
CC. UTTOS Rod Drive	G. <del>E</del> .	7837	aya	(20-5023		Peplacemensi	Y
CONTROL Red DAVE	6.E	A4707	14,1	योग १० मास्य १९६० -८६१५	1931	Replaced	Y
CONTROL PULL Drive	6.E	9169	Ni/A	CRO " 0615	1975	Replacement	4
CONTROL Fiel Drive	6. E.	A4518	N/A	CRO - 3003	1471	Rep'men	У
Control Raj Orive	6 F	7758	N/iq	CRO - 300 3	1778	lepjuciness	Y
CONTROL Red MINE	G. <u>F</u> .	4540	N4	cen-1803	1131	Replacen	Ÿ
CONTROL REAL Prive	G. E.	7524	N/A	CRD-1803	1478	Replacement	4

ź 163 :1 344 37

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NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

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FORM NIS-2 (Back)	3
O Remarks AND N-> DATA REBUTS ATTACHED	
9. Remarks N=2 UAIA RETOITS ATTRICALLY  MY Applicable Manufacturer's Data Reports to be attached	<u> </u>
N. T. T. T. T. T. T. T. T. T. T. T. T. T.	
<del>ず、</del> 化	
	<b>,</b>
CERTIFICATE OF COMPLIANCE	
0.4	s to the rules of the
ASME Code, Section XI.	
<b>3</b> }	
Type Code Symbol Stamp_N/A-	
Surjection of Supply and Sto N/A	
Certificate of Authorization No. MA Expiration Date W/A	<del></del>
Signed Date November 7	86
Owner or Owner's Designee, Title Supt. of Plant	
CERTIFICATE OF INSERVICE INSPECTION	
🐒 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Prassure Vessel Inst	pectors and the State
or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGES MUTUA	
WALTHAM, MA. have inspected the confinence in this Owner's Report during the period FBB 4, 1986 to Sep. 10, 1986	imponents described
· · · · · · · · · · · · · · · · · · ·	
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective meas.  Owner's Report in accordance with the requirements of the ASME Code, Section XI.	ures described in this
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or imp	ntied concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspec	•
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or	· •
inspection. FACTORY MUTUAL SYS	TEM
F to a magazine	NIRS IS
Commissions NB7980 PA2204  Inspector Signature Commissions National Board, State, Province, a	
Tractional Board, State, Florince, a	
* Date Nov. 13 19.86	,
U210/140 44 /2 19 0 4	
	<del></del>

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Plant SUSQUE	ST. AIIENI Address FHANNA STE Name 7 Berwick	AM Electric	STATION	Unit Display		:4, V&44	61
Wark Performed by		Name		Type Code Symbol: Authorization No Expiration Date	Stamp	NA NA NA	
	Address stem <u>MAIN</u>	4 = 3 4				2 - 53 A	<del>,</del>
(b) Applicable Edit	struction Code <u>ASrr</u> tion of Section XI Ut empanents Repaired	ilized for Repairs	or Replacement		ddend8,	15 35- <u>3</u>	Code Case
Name of Component -	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	<del></del>	HT. #	/ -		10711		
STUD BAIT	Fors DYSON	3118037	Nia	HUZHIFOXZD	19 14	Rosses	
STUB BUT	ATWOOD 4 Morrill	HT # 605 340 3		141,241,60220		Ì	1 1
	HTWEED 4 MOSSILL HTWEED 4 MOSSILL	HT #			19785	Reflactions	1/2
STUD BUT	ATWEED 4 MOSSILL ATWEED 4 MOSSILL ATWEED 4 MOSSILL	HT #	N/a .	141,241 FO 1250	1975 1076	Reflorment	N.
STUD BUT STUD BUT STUD BUT	ATWEED 4 MOSSILL ATWEED 4 MOSSILL ATTICATE 4 MOSSILL ATTICATE 4 MOSSILL ATTICATE 9	HT #	N/ii . N/i ² N/i ³	44341F0.320 44341F0.320 44341F0.320	1975 1076	Reflaceur Replaement	.N .N
STUD BUT STUD BUT STUD BUT	ATWEED 4 MOSSILL ATWEED 4 MOSSILL ATTICATE 4 MOSSILL ATTICATE 4 MOSSILL ATTICATE 9	HT #	N/ii . N/i ² N/i ³	44341F0.320 44341F0.320 44341F0.320	1975 1076	Reflaceur Replaement	.N .N
STUD BUT  STUD BUT  STUD BUT  Description of Work	ATWOOD 4 MOSSILL ATWOOD 4 MOSSILL ATTOMOD 4 MOSSILL ATTOMOD 9 MOSSILL ACTIONOD 9 MOSSILL Replace Level West Replace City 11-10-16	HT " 6053403  1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N/11 .  N/12  N/12  N/12  N/12  N/13  N/13  N/13  N/13  N/13  N/13  N/13	HVANIFOARD  HVANIFOARD  HVANIFOARD  RING VALLE TO	1975 1076	Reflaceur Replaement	.N .N
STUD BUT  STUD BUT  STUD BUT  Description of Work	ATWOOD 4 MOTTILL  ATWOOD 4 MOTTILL  ATWOOD 4 MOTTILL  ATWOOD 9 MOTTILL  ACHIEL LEVER  WESE REPIXED  (1) 11-10-12  Hydronnic Pr	HT # 6053403  A STUOS AND STUOS AND STUOS AND LARGE CO	N/II  N/A  N/A  N/A  N/A  N/A  VO NUTS DU  2 'STUDS	HV241F0.220 HV241F0.220 HV241F0.220 HV241F0.22E  HV241F0.22E  RING VALLE JAME  OF TO NEC	1975 1076	Reflaceur Replaement	.N .N
STUD BUT  STUD BUT  STUD BUT  Description of Work	ATWOOD 4 MOSSILL ATWOOD 4 MOSSILL ATTOMOD 4 MOSSILL ATTOMOD 9 MOSSILL ACTIONOD 9 MOSSILL Replace Level West Replace City 11-10-16	HT # 6053403  A STUOS AND STUOS AND STUOS AND LARGE CO	N/II  N/A  N/A  N/A  N/A  N/A  VO NUTS DU  2 'STUDS	HV241F0.220 HV241F0.220 HV241F0.220 HV241F0.22E  HV241F0.22E  RING VALLE JAME  OF TO NEC	1975 1076	Reflaceur Replaement	.N .N

Page 210 of 288

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FORM NIS-2 (Back)	
49. Remarks N-Z ONTA PENDETS ATTICHED	
	to be attached
<i>i</i> -	
3	
4	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this C ASME Code, Section XI.	PIACEMENT conforms to the rules of the
Type Code Symbol Stamp NONE	
	1.
Certificate of Authorization No. 14/4 Expiration (	Jate HA
	November 11
Supt. of Plant	
CERTIFICATE OF INSERVICE INSPEC	TION
I, the undersigned, holding a valid commission issued by the National Board of Boile or Province of PENNA.  and employed by ARKWEIGHT BO	r and Pressure Vessel Inspectors and the State
WALTHAM MA	have inspected the components described
in this Owner's Report during the period SEP 4,1986 to 0	
to the best-of-my knowledge, and belief, the Owner has performed examinations at 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 wa	rranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report, Furthern shall be liable in any manner for any personal injury or property damage or a loss of	nore, neither the Inspector nor his employer
	FACTORY MUTUAL SYSTEM
William R. Rogers TI Commissions NB7980 Inspector's Signature National	PA2204 NIBS IS
Inspecto//s Signature National	Board, State, Province, and Endorsements
Date Nov. 17 19.86	
(12/82)	

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•				PAIRS OR REPLA ASME Code Sectio		1s	$\alpha I \Omega$		
· · · · · ·		<del></del>	~~~~~ <u>~~~~</u>		<u></u>	July 211	Ch A		
1. Owner <u>Penusy</u>	VANIA BUET	MO LIGHT	· Co.	Date	<u> </u>	<del></del>			
y thirth art	ST. AlleNTOU	UN PA 1	3101	Sheet 2	1_3_				
2. Plant <u>Susque</u>	hanna STEAN	Heeric S	IATION	Unit	<del>-,</del>				
P.O. Box 4	67 Rerwick	PA THE	03	Repair Orga	l Vé	3154 V6	4481 •10.		
B. Work Performed b	V_CWNER			Type Code Symbol	Stamp	18/14			
•	Name				Authorization No. A)/A				
,	Address		<del></del>	Expiration Date		NIA			
. Identification of S		STe:Am				2-33 Ron	- <u>-</u> -		
(a) Applicable Co.	nstruction Code <u>A5-1</u>	48 <del></del> 40	21	« 'n,		٠٠٠ ا	•		
	tion of Section XI Ut		•			·			
,	ч,	· 16	National	72		Repaired,	ASME Code Stamped		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Other ' Identification	Year Built	Replaced, or Replacement	(Yes or No)		
STUD BOIT		6	N/ji	HAMA ESTA U	986	Replacment	<i>N</i>		
5.700 BOIT	ATLANCE +	7:	13/11	<u> </u>	l	1			
STUD BUT	MOSSILL	9	Nin	144,241 E0,23D	l		1		
STUD BUTT	mosciel	11	N/3	144341 FO 276	1956	Redisenent	11/		
Hex NUT		HT. # M70857	<u> </u>	intagi FO.25C	1424	Rephieo	N		
Hex NUT	Prisod 7	HT :# 8099157	NA	11/241 FO TED	1985	Pepiveneur	_\/_		
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 11-24-86 1. OWNER PENNSYLVANIA STEAM Electric WA VE3192, VE3248 Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp ___ 3. Work Performed by ____ Authorization No. _ Expiration Date_ Address RELIEF VALUES FOR 4. Identification of System 5. (a) Applicable Construction Code ASME III 19 7/ Edition, NONE Addenda, 1567, 1711 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80,  $\omega\delta I$ ,

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yeer Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MSRV	CROSBY VALUE F GAGE CU.	N63790- 00-0086	N/A	13V-2F013.4	1971	PEXACED	<i>ÿ£\$</i>
MSRV	Crospy value of GAGE Co.	463790 - 00'- 0128	N/A	PSV-2F013A	1982	REPLACEMENT	V£9
MSRV	GOSBY VALVE 1 GAGE CO.	N63740 -	N/A	PSV-ZFOBB	i	PERACED	VES
MSZV	Claspy VALLE	N63790- 00-0112	N/A	PSV-25013B		1	- 4ES
MSRV	chusky value & gage Co.	N63790- 00-0085	N/A	PSV-2F013C	1	7	,

PRIVATE MIRV'S FROM PLANT. PATESTED VALUES OFFSITE PRESTED, MI-1005.

7. Description of Work REFULDISHED VALUES AS REQUIERD (REPAIRS/REPLACEMENTS BOLUMENTED). RE-INSTRUCTED MIRV, CONQUESTED LEAN TEST AND DOCUMENTED.

8. Tests Canducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 1009 psi Test Temp. 176-36

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

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

1. PLESSURE SET CHANGE FROM 1205 PSig. TO 1185 PSig.



Page 21306288

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FORM NIS-2 (Back)
9 Remarks NONE. PELIEF VALVES S/N 0020, 0023, AND 003
Applicable Manufacturer's Data Reports to be attached  W THE NV-1 FORMS ARE CONTAINED IN THE ORIGINAL N-5 PACKAGE, NV-1.
FOR 5/N'S 0128, 0129, 0130, 0132, AND 0133 ARE CONTAINED IN THE
1 NIS-2'S DATED 9-5-86, FIRST RFO OF UNIT 1, 490 12-2-86
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>PEPIACEMENT</u> conforms to the rules of the repair or replacement
Type Code Symbol Stamp
Certificate of Authorization No
Signed Owner of Owner's Designee, Title Date 1/25/86 , 19
Supt. of Plant
CERTIFICATE OF INSERVICE INSPECTION
6. I; the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNAand employed by ARKWRIGHT BOSTON MEGRSMUTUAL INS. Co. of
WALTHAM MA. have inspected the components described by in this Owner's Report during the period AUGUST 21, 1986 to October 5, 1986, 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, ± coressed 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 SYSTEM
1 (1) NET 960 PAZZO4 NIES IS
William R. Rogero III Commissions NB7980 PA2204 NIES IS Inspector Signature Commissions National Board, State, Province, and Endorsements
Date DEC. 3 1986
(12/82)

	10ge 214 61
OWNER PENNSYLVANIA POWER AND LIGHT CO.	Date
2 NORTH 9 TH. ST. ALLEN TOWN /4. 18101	Sheet 2 of 7
Plant SUS DUE HANNA STEAM ELECTRIC STATION Name	Unit2
P.C. BOX 467 BELWICK PA. 18603	Repair Organization P.O. No., Job No., etc.
Work Performed by OWN ELName	Type Code Symbol Stamp N/A Authorization No. N/1
Address	Expiration Date
Identification of System MAIN STEAM RELIEF	VALUES FOL VESSEL, 7-62A,
(a) Applicable Construction Code AIME II 19 71 Edition	n, NON: Addende 1567, 1711 Code C
(b) Applicable Edition of Section XI Utilized for Repairs or Replaceme	nts 19 <u>80, W</u> \$1,

6. Identification of Components Repaired or Replaced and Replacement Components

- 1				i I	<i>"</i>			
专	Name of Component	Name of Manufacturer	Manufacturer Serial No,	National Board No.	Other ' Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3	MSZV	GEOSPY VALUE 1 GAGE CO.	N63790- 00-0129	N/A"	PSV-2-013C	1982	Replacement	VES
<b>%</b> -	MSRV	TGAGE CO.	N63790- 00-0083	N/A			Péjlacé0	1 Yis
2 2 2	MSRV	CROSPY WALVE	N63790 -	NA	PSV-2F013D	1981	Rejlacine. 1	yes
3,	MSRV .	Gospy VALVE	N63790- OC-0112	N/A	PSV-2FOISE		REPLACED	yES
-	MSRV	E GAGE CO	N63790- 00-0133	N/A	PSV-26013E	1982	REPACENT	y. <del>=</del> S
	MSRV	CLOSTY VALVE & GAGE CO. CROSPY VALVE	N.63740-	N/A	PSV-25013F	1981	PATACE?	YES
	MSRV	& GASE CO.	N63796-	NA	PSV-2F013F	1981	Paylacining	YES
1	MSKV	CROSPY UHLIE & GAGE CO. CROSBY VALVE	NG3795	~/4	PSV-2FOISG	1981	PHILACED	yes
2 E	MSZV	COURT VALUE	N63790'- 00-0034 N63790-	~/4	PSV-250136	1980	AFINENEN	YES
	MSRV	\$ 646E CU.	00-0084 N63790.	MA	PSV-2F013H	1901	PEPLACED	4=5
	MSRV	& GAGE CU. CFOSBY VALVE	NG3740-	NA	13:1-250314	1981	REPLICIMENT	- YES
}	MSRV	CRIBY MUNE	00-0091	N/A	PSV-2FOBIT	1	PEPASCED	yes
}	MSZV	f GAGE CO.	N63790 -	~/+	r'sv-2F013.J	,	PEPLACEMENT	
+	MSPV	S GASIE CO CRUSHY WHITE	N63740 -	NA	13.4.25013K		PEDLACED	YES
ι	14211	7 9/18/2 W.	·00-0094	14/12	PSV-2F013K	1951	PEXACENIN	145

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1. Owner PENNSYLVANIA POWER AND LIGHT CO.	Date
2 NORTH 9TH. ST. AUFNTUWN, FA. 18101	Sheet 3 of 7
2. Plant SUS QUE HANNA STEAM ELECTRIC STATION	Unit 2
P.O Box 467, BELWICK PA. 18603	Repair Organization P.O. No., Job No., etc.
3 Work Performed by OUN FR. Name	Type Code Symbol Stamp
Address	•
4. Identification of System MAIN STEAM PELIEF	VALVAS FOR VESSEL. 2-62A, CLI
5. (a) Applicable Construction Code ASME III 19 7/ Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacement	1 1010 1011

, 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MSRV	CRUSHY VALUE & GAGE CO.	00-0043	NA	PSV-2F013L	1981	Pepinicap	445
MSDV	GIUSPY MUE	N63790- 00-0091	N/A	BV-2F013L		'	Y=5
MSRV	Chispy WHUE	N63790 -	NA	PSV-2-013M		'	/
MSRV	cfasfy value	N63790-	~/17	PSV-ZFOIZM		PHILITHENT	/
MSRV	GOSBY VALVE & GAGE CO.	N63790-	N/A	PSV-2F013N			YES
MSRV	E GAGE CO.	N63740-	NA	PSV-2f013N		1 '	1
MSRV	CRUSBY MALVE	N63790- 00-0029	NA	PSV-2FOI3P		'	YES
MSZV	Chasby MALVE & GAGE Co.	NE3193-	N/H	PS1-25013P	i	ł '	./
MSRV	CROBY MINE & GAGE CU.	N63790 -	N/A	PSV-250138	Į.	1 1	1 Y≈5
MSRV	GRUSBY WHLVE	N63790-	N/A	PSV-2F013P	ł	1	7
MSRV	Chosky value	N61790-	NA	PSV-2FU135	1	l '	Y=5
MSEV	cjusty while	N63790-	N/A	PSV-2F0135	ļ	PEPLACEMENT	17
NOZZLE	Chospy Volute of 6,49£ Ccr,"	N93184- 36-0122	WH	514-0130 PSV-2F013S	1	1 '	1 1/4
Nozzie	Cfospy WLVE 5 GAGE GO,	N93184- 34-0017	<i>N</i> 4	PSV-250135	1	REPLACEMENT	1~
Disc .	CRUSPY WALLE	N93185- 36-0136	N/A	154-0130	1482	MEDIASED	N

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| 1. Owner PENN SYLVA | NIA · POWER AND LIGHT CO, | |
|---------------------|---------------------------|--|
| 7 | Name | |

2 NORTH 9TH ST. AUGHTOUN, PA. 181

Sheet 4 of 7

2. Plant SUSQUEHANNA TEAM ELECTRIC STATION

Unit Z

P.O. Box 467, BERWICK 14. 18603

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

3. Work Performed by OWNER Name

Address

4. Identification of System MAIN STEAM PELIEF VALUES FOL VESSEL, 2-624, CLT.

5. (a) Applicable Construction Code ASME III 19 71 Edition, NONE Addende, 1567, 1711 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, WEI.

, 6. Identification of Components Repaired or Replaced and Replacement Components

| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No, | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
|----------------------|----------------------------|----------------------------|--------------------------|--------------------------|---------------|------------------------------------------|-------------------------------------------|
| Disc | cfosby valve | N93185- | /. | S/N-0130 | | | |
| | & GAGE CO. | 36-0142 | N/4 | PSV-20135 | 1985 | REPLACEMENT | 1 ~ |
| 7 IN 4-1 3 TUS | CRESBY WHILE | N93216-
TRACE BW25 | N/A | SIN - 0130
PSV-2F0135 | 1982 | Papiace 0 | ~ |
| 7 EN LET STUBS | CRUSAY VALVE
I GAGE CU. | HT. NO.
97668 | N/A | SIN-0130 | | ' | |
| • | Charpy value | N93184- | N/H | 184-250135 | 1903 | VEPLACEHENT | ~ |
| NOZZLE . | 1 GAG= CU. | 36-024 | N/A | PSV-2FOX5J | 1981 | REPLACED | ~ |
| | Chospy value | N93184- | | 5/N-013Z | | , | |
| NOZZLE | \$ 646F W. | 34-0016 | N/A | YSV-2FOI3J | 1986 | PHALACMENT | - N |
| | CROSPY WALLE | N93185- | | 5/N-013Z | | 1 | |
| Disc | + GAGF-CO. | 36-0128 | N/A | PSI-ZFOBJ | 1901 | REGIACED | \sim |
| Disc | chospy value | N93185-
33-0045 | N/A | S/N-0132 | 10.01 | Profession of | |
| | CRUSHY VALVE | N93216- | 74/17 | 156-250135
5/N-0132 | 1986 | Rightental | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| GTHLET STUDS | & GAGE CU, | TRACE BN25 | NA | PSV-2FC13J | 1981 | Réplices | N |
| • | chispy will | HT. KO. | | 5/N-0132 | 7707 | 7-9-7-5 | / \ |
| GENLET STUS | & GAGE CO. | 97668 | NA | 18V-2F013J | 1985 | PEPLACEMENT | * ~ |
| 440046 | CROBY VALLE | N93154- | • | S/N-0129 | | | |
| NOZZLE | 4 GAGE CU. | 36-0121 | NA | 15V-2FOIC | 1982 | PEPLACEU | ~ |
| N0226E | GRABE CU. | 193184- | N/1 | PSIN-0129 | 1926 | RÉPASIMINI | |
| | CRUSAY VALLE | N43185- | , , | 1 1/N-C129 | 1,5 | 1 | |
| Disc | I GAGE CO. | 35-0125 | N/A | 15V-25013C | 1982 | REPLACED | \mathcal{N} |
| Disc | Chuby VALVE
I GAGE CU. | N93185- | N/A | 15V-25013C | 1055 | 7 | ., |
| ., | CROPY VALVE | N93184- | | 5/N-0124 | 17703 | repurement | ~ |
| NOTTLE | 1 GAGE CO. | 36 - 0/20 | NA | PSV-2F013A | 1982 | REPLACED | ~ |
| • | CRUSPY VILLE | N93184- | | 5/N-0128 | | 7 | |
| NOTTLE. | + GAGE CO. | 34-0015 | N/A | 15V-2F013A | 1986 | PEPLOCEMENT | N |

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of.

| : June MIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEME | NJS . |
|-----------------------------------------------------------|---------------|
| As Required by the Provisions of the ASME Code Section XI | Page 217 8 20 |

| 1. | OWNER PENNSYLVANIA POWEL AND LIGHT CO. | Date 11-24-86 |
|----|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 2. | PIENT SUS QUEHANNIA STEAM ELECTRIC STATION Name P. D. BOX 467 BELWICK PA. 18603 Address | Unit |
| 3. | Work Performed by OWN FR | Type Code Symbol Stamp Authorization No. Expiration Date N/A |
| | Address | Expiration Date |
| 4, | Identification of System MAIN STEAM RELIEF VI | Alvas FOR VESSEL, 2-62A, CL, I |
| 5. | (a) Applicable Construction Code ASME II 19 7/ Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacement | 1.19 87, W.J. Code Case |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No, | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
|----------------------|--------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| DISC | chapy walke & GAGE CO. | N93185-
35-0119 | NA | 514-0121
PSV-2F013 A | 1982 | REPLACE D | ~ |
| Disc | Chispy VALVE & GAGE CV. | N 93185-
36-0146 | N/A | PSV-2F013A | 1985 | Replacenent | - ~ |
| 4 FALET STEDS | | N93216-
Mace BW25 | N/H | 15V-2F013A | | Réplace 0 | ~ |
| 4 INLET STUDS | | HT. NO.
97668 | NA | 156-2F013H | | Replacement | -~ |
| Disc | EGAGE CO | N93185-
33-0056 | NA | PSV-2F013G | | Replace 0 | ~ |
| Disc | Chaspy value of Gage Co. | N93185-
36-0147 | N/A | PSV-2F0136 | | CEPUCENENT | × |
| 3 FALFT STUPS | duspy value | N93216-
03915449498 | 4" 1/p | PSV-2F0136 | | LEPLACED | √ . |
| BINLET STUDS | t gage Cu, | HT. NO.
97668 | N/4 | PSV- 2F013G | 1985 | Réplice Mint | ~ |
| MSRV | P.PIL | N63790-
00-0023 | NA | PSV-2F013P | 1980 | REPLANENT | - Y=5 |
| MSRV | Chospy value | N63790- | N/A | PSV-SPACE | 1980 | Rejlaces | NES |
| NOZZLE | Shape Co. | N93184-
34-009E | MA | 154-250130 | 1901 | REPLACED | ~ |
| Nozzlé | Charle walk | N93184- | N/A | PSV-2F013D | 1986 | PERLEMENT | N |
| Disc | FRAGE CO. | 35-0107 | N/A | PSY-250130 | 1981 | Réphies | ~ |
| Disc. | CRUBYNHLVE
1 GAGE CO | N93185-
33-0050 | N/A | PSV-21-013D | 1986 | Legipce MENI | ~ |
| NOZZLE. | CROSBY WALLE | N93184-
32-0037 | NA | PSI-2Fa3F | 1901 | REPLACED | ~ |

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|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 1. Owner PENNSYLVANIA POWER AND LIGHT | Date |
| ZNORTH 9TH. ST. AUGNEZWN, PA. 18101 | Sheet 6 of 7. |
| 2. Plant SusqueHannA STEAM ELECTRIC STATION | |
| P.C. BOX 467 BELVICK, PA. 18603 | WH - V 63192 V 63245 ' Repair Organization P.O. No., Job No., etc. |
| 3. Work Performed by OWNER | Type Code Symbol Stamp |
| Address Address Address Address Address Address | MUES FOR VESSEL, 2-624, CL |
| i. (a) Applicable Construction Code ASME III 19 71 Edit
(b) Applicable Edition of Section XI Utilized for Repairs or Raplaces | tion, NONE Addends, 1567, 1711 Code Case |

, 6. Identification of Components Repaired or Replaced and Replacement Components

| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other '
Identification | , Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
|----------------------|-----------------------------|----------------------------|--------------------------|---------------------------|-----------------|------------------------------------------|-------------------------------------------|
| NOTZLE | GESBY VALVE | N93184 -
34-0011 | N/A | PS1-2F013F | 1986 | Peflacenent | N |
| Disc | CROSPY NAVE
1 GAGE CO. | N93185-
36-0134 | N/A | PSV-2F013F | | 12EPLACED | ~ |
| Disc | CRUBY VHUE & GAGE CU. | N93185-
33-0036 | NA | 75V-2F013F | 1986 | REPLACEMENT | ~ |
| NOZZLIE . | Chairy values
1 GABE CU. | N93184-
35-0103 | N/H | PSV= 2FOBA | | 2+place0 | ^/ |
| NOZZLE | CROSPY VALVE
& GAGE CO | N93124-
34-0014. | N/A | 151-2F013N | | REPLACEMENT | ~ |
| Disc | GAGE CU. | N93185-
35-0117 | N/A | 7/4-0173
PSV-2F013N | | 1 ' ' | N |
| Disc | GAGE CO. | N93185-
33-0028 | N/A | PSV-2F013N | | | ~ ~ |
| NOTTLE | 1 GAGE CO | N 93184-
35-0101 | N/2 | PSV-2F013L | 1981 | 1 | ~ |
| KOZZE | t gage co. | N93184-
34-0012 | N/A | PSV-2F013L | 1986 | Replacement | ~~ |
| Disc | chosky mulie | N93185-
35-011Z | N/A | PS1=2F013L | l | 14=96ACEP | ~ |
| Disc | CROSAY MOLVE | 33 - 054 90 | » M/A | PSV-2F013L | 1986 | Replacing | ~ |
| NOZEUE | S GAGIE CO. | N931884- | N/A | 151x-0112
151x-2F013B | 1981 | Replaceo | ~ |
| N0224= | GAGIE W. | 14-0008 | N/A | 15V-2F013B | 1926 | REPLACEMENT | ~ |
| Disc | GROSAY WHIE | N93105-
35-0102 | N/A | PSV-2F013B | 1981 | Replaced | ~ |
| D'SC. | I GAGE CO. | X93185- | N/A | PSV-2FU13B | | | TN. |

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٤. 12k ¥ 3. **5**:

| Name of Name of Manufacturer Board Other Year Replaced, (Yes | | • | | | PAIRS OR REPLAI | | Page 210 | 9 d |
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| Plant Sus Pur HANNA Stran Electric Strien Unit 2 Plant Sus Pur HANNA Stran Electric Strien Unit 2 Plant Name Plant Name Plant Sus Pur HANNA Stran Electric Strien Unit 2 Name Name Name Name National Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name | OWNER PENNSY | ILVANIA POL | JER AND LI | GAT CU. | Date | 24-86 | 0 | V |
| P.O. Box 467 BERWICK PA. 18603 W.A - V63192 V63245 Repair Organization P.O. No., Job No., etc. Work Performed by DWALER Type Code Symbol Stamp Alphanee Name Authorization No. N/H Expiration Date N/H Identification of System MAIN STEATH RELIEF VALVES FOR VESSEL. 2-62A Code Code Aspelicable Construction Code Aspelicable for Repairs or Replacements 19 BUNG. Name of Name of Manufacturer Board Other Year Replaced, Code Code Component Manufacturer Serial No. No. Identification Built or Replaced, Code Code Code Component Manufacturer Serial No. No. Identification Built or Replacement Components Name of Component Manufacturer Serial No. No. Identification Built or Replacement Code Code Code Code Code Code Code Code | 2 NORTH | 974, ST AUE | NOWN, PA | - 18101 | Sheet 7 o | 1 | 7 | |
| Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name Name N | | | | | | | | |
| Authorization No. NH Address Identification of System MAIN STAM LECIEF VALVES FOR VESSEL. 2-62A. Co. (a) Applicable Construction Code ASME III 19 71 Edition, NONE Addends, ISG7 1711 Code Co. (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W61. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Board Other Year Replaced, Code Stamp Component Manufacturer Serial No. No. Identification Built or Replacement or No. Identification State Of Serial No. No. Identification Built Or Replacement Or No. Incomponent State Of Serial No. No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification State Of No. Identification Stat | P.O. BUX 4 | 167 BELWIG | CK PA. 18 | 603 | W.4 -
Repair Organ | V 631
nization P. | 92 V6324
O. Ho., JOD NO | گ
•۱c. |
| Identification of System MAIN STEAM RELIEF VALVES FOR VESSEL. 2-62A C (a) Applicable Construction Code ASME III 19 71 Edition, NONE Addends, IS67 1711 Code C (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 50 Wef. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Board Other Year Replaced, Stamp Code C Component Manufacturer Serial No. No. Identification Built or Replacement Or No. FULLET STUDS & GAGE CO. TRACEBUIG BUIL, N/A PSV-2F013B 1984 ReplaceD N COMMENT WALKS HELD NO. | Work Performed by | DUI | VER_
Name | | Type Code Symbol Authorization No | Stamp | N/A
N/H | |
| (a) Applicable Construction Code ASMÉ II 19 7/ Edition, NONÉ Addende, IS67, 1711 Code Code (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W61. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer Board Other Year Replaced, Code Code Component Manufacturer Serial No. No. Identification Built or Replaced, Or Replacement Or No. FILET STUDS 1 GAGE CU. THE BUILE AP3216 - SIV-0112 SIV-0112 FAGE CU. THE BUILT NAME OF SIV-0112 SIV-0112 NAME OF SIV-0112 SIV-0112 NAME OF SIV-0112 SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV-0112 NAME OF SIV | <u> </u> | | One d d | Oct.:- | | | ₹. | 2.4. 0. |
| Name of Name of Manufacturer Board Other Year Replaced, Or No. No. Identification Built or Replacement Or No. FILET STUDS I GAGE CV. TRACEBUIS BUZI, N/A PSV-2F013B 1981 REPLACED NO. COMPONENT STUDIES OF TRACEBUIS BUZI, N/A PSV-2F013B 1981 REPLACED NO. | (b) Applicable Editi | ion of Section XI Ut | ilized for Repairs | or Replacement | s 19 <u>80, Wê</u> l. | ddeņda, <u>/</u> | <u> </u> | Code Ca |
| ENLET STUDS of GAGE CO. TRACEBUSE BUZI. N/A PSV-2F013B 1981 PEPLACAD N COSTAN VALUE HT. NO. 97668 N/A PSV-2F013B 1985 REPLACAD N ENLET STUDS of GAGE CO. 97668 N/A PSV-2F013B 1985 REPLACADIN N | Component | Manufacturer | Serial No. | Board
No. | 1 | 1 | Replaced, | ASME
Code
Stamped
(Yes
or No) |
| FALET STUDS & GAGE CO, 97668 N/A PSV-25013B 1985 REPLACEMENT N | FALET STUDS | cfusty value of GAGE CV. | 193216 -
TRACEBWIE BW | E1. N/A | PSV-2F013B | 1981 | Replaced | ~ |
| | FNLET STUDS | Chasty value | 47. N.C.
97668 | N/A | 1 ~ 44-0116 | 9 | | ~ |
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| | | | | PAIRS OR REPLA
ASM E Code Sectio | | 73
190 220 | 000 |
|-------------------------|-------------------------|----------------------------|-----------------------------------------|--------------------------------------------|---------------|------------------------------------------|-------------------------------------------|
| | *. | | | | | 1 | 0 |
| 1. Owner <u>Penns</u> y | vlvania Power | & Light C | 0 | Date September | er 25, | 1986 | |
| | Ninth St. A | | | Sheet 1 | 1_1_ | | |
| | ehanna Steam | | | Unit 2 | | | |
| P.O. 6 | Name
Box 467, Berw | ick, PA 1 | 8603 | E&S Const./W | | | |
| I. Work Performed by | Address
Donnevlyania | Power & ! | ight Co. | | | уста фог не
Виод | ets. |
| , Yioni Periormed by | remayivania | Name | 19110 001 | Type Code Symbol Authorization No | | N/A | |
| Two North | Winth St., Al | <u>lentown, P</u> | A 18101 | Expiration Date | | N/A | |
| i, Identification of Sy | None I P | iange Leak | off. Svst | em 262B, Clas | s 1 | | |
| | | | | | | .*1 | |
| i. (a) Applicable Con | struction Code_ASM | E III 19 | 71_Edition, | Thru W '72 A | ddende,_ | N/A | _Code Ca |
| (b) Applicable Edit | ion of Section XI Uti | lized for Repairs | or Replacement | 19 <u>80 W'</u> 8I | | | |
| i, Identification of Co | mponents Repaired o | er Replaced and F | Replacement Co | mponents | | | |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Id enti fication | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| Mechanical | Pacific | | | SP-DCA- | | кертасе- | |
| Shock | Scientific | 29005 | N/A | 201-H5003 | N/A | ment | No |
| Meulthnical
Slock | PACIFIC
Scientific | 23613 | N'/47 | 3P-DCA-
201-115003 | N/A | Replaced | No |
| | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | и | | | |
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| | | , | | | | | |
| , Description of Work | Panlace avi | etina enub | han with | functionally | tosto | , ,
d | |
| , Description of Worl | vehice exi | sering sinuu | DEI WILL | Tunctional Ly | re2 re | u replaceme | 116 |
| , Tests Conducted: | | | | | dana lii | 7 | |
| | Other Pressure_ | pai | Test Temp | | None X | ⊥ : | |
| NOTE: Supplemen | ntal sheets in form of | lists, sketches, o | or drawings may | be used, provided (1) | size is 8) | 4 in, x 11 in., (2) i | nforme- |
| tion in items 1 thr | ough 6 on this repor | t is included on | each sheet, and | (3) each sheet is num | nbered an | d the number of: | sheets is |

(12/82)

This Form (F00030) may be obtained from the Order Dept. ASME, 345 E. A7th St. New York, N.Y. 10017

Page 221 of 288

| Remerks | N/A | |
|----------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hemerks | | lanufacturer's Data Reports to be attached |
| | | |
| | | , |
| | | • |
| | • | |
| | | |
| | | |
| 1 | | *************************************** |
| w | | CATE OF COMPLIANCE
port are correct and this <u>"CD1 a CEMENT,</u> conforms to the rules of t |
| | , Section XI. | repair or replacement |
| | | |
| | Numbral Stamps N/A | |
| Type Code 5 | lymbol StampN/A | |
| Certificate of | f Authorization No. N/A | Expiration Date N/A |
| | Jan. 10. 1 | 0 |
| SignedOx | wner or Owner's Designee. Title Support | trendent of Plant |
| | Super III | Gendent of Fight |
| | CERTIFICA | re of inservice inspection |
| I, the unders | ilgned, holding a valid commission issued by | the National Board of Boiler and Pressure Vessel Inspectors and the S |
| or Province | of <u>Pennsylvania</u> and employed 1. Massachusetts | by Arkwright Boston Mfgrs., Mutual Ins.Co |
| in this Own | er's Report during the period AUG. Z | have inspected the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components |
| to the best of | of my knowledge and belief, the Owner ha | s performed examinations and taken corrective measures described in |
| | port in accordance with the requirements of | |
| . • | - | his employer makes any warranty, expressed or implied, concerning |
| | | s Owner's Report, Furthermore, neither the Inspector nor his emplo |
| inspection. | ie in any manner for any personal injury or | property damage or a loss of any kind arising from or connected with |
| · · · / · | | Factory Mutual System |
| Wille | am K. KogeroIII | Commissions PA 2204 NB7980 NIBS IS |
| | rumestall's signeture | National Board, State, Frovince, and Endersements |
| Date DEC | c- Z 10 86 | |
| Date - C | ·· 19 <u>-0</u> • | |

| | 1. Owner Penns | vlvania Power | & Light C | 0 | Oate Septemb | er 25 | U
, 1986 | |
|-----|--------------------------------------------------|----------------------------------------------|---------------------------------------|-----------------|--------------------------------------|---------------|--------------------------|----------------|
| | | Ninth St. A | | | Sheet 1 0 | 1_1_ | | |
| | 2. Plant Susque | 770 04 040 | | | Unit 2 | | | |
| | | Name
Box 467, Berw | | | E&S Const./W | 1A# V63 | 8802 | |
| | | Address | | | Repair Organ | nization P. | O. No., Job No., | eto. · |
| | 3. Work Performed by | <u>Pennsylvania</u> | Power & L | ight Co. | Type Code Symbol | 3 (M) | None
N/A | |
| | Two North 1 | Yinth St., Al | lentown. P. | A 18101 | Authorization No Expiration Date | | N/A | |
| | | Address | | | | | | |
| | 4. Identification of Sy | stem Vessel to | 2005. Sy | stem 2620 | Class 1 | | | |
| | 5. (a). Applicable Con | struction Code ASM | E III 19 | 71 Edition | Thru W '72 A | ddende. | N/A | Code Ca |
| | (b) Applicable Edit | ion of Section XI Uti | lized for Repairs | or Replacement | 19.80 W'81 | | | .0000 |
| | | | • | | | | | |
| | 6. Identification of Co | emponents Repaired o | or Replaced and R | eplacement Co | mponents | | | |
| | | | | | | | | |
| | | | | | | 1 | , | ASME
Code |
| 1 | | | | National | | | Repaired, | Stampe
(Yes |
| l | Name of
Component | Name of Manufacturer | Manufacturer
Serial No. | Board
No. | Other Identification | Year
Built | Replaced, or Replacement | or No) |
| Į | | | | | | | ĺ | |
| | | Pacific | , , , , , , , , , , , , , , , , , , , | | SP-DCA- | | Replace- | |
| | Mechanical | | | A1 / A | 237-H5015 | N/A | ment | No |
| | Mechanical
Shock | Scientific | 28772 | N/A | | | | |
| - | Shock
MENANIAN | Scientific
Pacific | | ···· | SP-DEA- | | REPIACED | NO |
| _ | Shock | Scientific | 28772
24394 | NIA | SP-DEA-
237-H5015 | NJA | REPIACED | NO |
| | Shock | Scientific
Pacific | | ···· | SP-DEA- | | REPIACED | NO |
| | Shock
MENANIAN | Scientific
Pacific | | NIA | SP-DEA-
237-H5015 | | REPIACED | NO |
| | Shock
MENANIAN | Scientific
Pacific | | NIA | SP-DEA-
237-H5015 | | REPIACED | NO |
| | Shock
MENANICAL | Scientific
Pacific | | NIA | SP-DEA-
237-H5015 | | REPIACED | NO |
| - | Shock MEHANICAI SHOCK | Scientific PROFIC SCIENTIFIC | 24394 | NJA | SP-OCA-
237-HSOIS | NJA | | |
| _ | Shock | Scientific PROFIC SCIENTIFIC | 24394 | NJA | SP-OCA-
237-HSOIS | NJA | | |
| _ | Shock MEHANICAL SHOCK 7. Description of World | Scientific PROFFIC SCIENTIFIC Replace exi | 24394
sting snub | N/A
ber with | SP-DEA-
237-HSOIS
functionally | NJA | | |
| • - | Shock MEHANICAI SHOCK | Scientific PROFFIC SCIENTIFIC Replace exi | 24394
sting snub | N/A ber with | SP-OCA- 237-HSOIS functionally | NJA | 1 replaceme | |

(12/82)

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

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FORM NIS-2 (Back)

| . 8 | Remarks N/A |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Applicable Manufacturer's Data Reports to be attached |
| • | |
| • | |
| - | |
| | |
| | CERTIFICATE OF COMPLIANCE |
| • | We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI. |
| 1 | Type Code Symbol StampN/A |
| (| Certificate of Authorization No. N/A Expiration Date N/A |
| | some (ICI Blokeslee) som 11-25-86 10 |
| 5 | Owner of Owner's Designee, Title Superintendent of Plant |
| _ | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| • | , the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Boston Mfgrs Mutual Ins.Co of |
| | Waltham, Massachusetts have inspected the components described |
| | n this Owner's Report during the period SEP. 11, 1986 to OCT. S, 1986, 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. |
| ۱ | By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| 1 | examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer that be 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 (Dilliam R. Roger III Commissions PA 2204 NB7980 NIBS IS Inspector a signature National Board, State, Province, and Endorsements |
| | |
| ١ | Date DEC 2 1986 |
| _ | |

| Owner Pennsy | Ivania Power | & Light C | 0 | Dete Septemb | er 25 | 1986
8.7. 4/6/86 | |
|-----------------------|-----------------------|--------------------|-----------------|------------------------------|-------------|---------------------|--------------|
| Two North | Ninth St. A | llentown, | PA | Sheet 1 | 1-20 | 2 | ···· |
| | hanna Steam | | | Unit 2 | | | |
| . P.O. 8 | ox 467, Berw | ick, PA 1 | 8603 | E&S Const./ | WA# Se | e Below | |
| | Address | | | Repair Orga | nization P | .O. No., Job No., | ete. |
| Work Performed by | <u>Pennsylvania</u> | Power & L | ight Co. | Type Code Symbol | | None
N/A | <u>.</u> |
| Tue Newth N | inth ct Al | lantown D | Λ 19101 | Authorization No. | | N/A | |
| INO HOLLU II | inth St., Al | TEHCOMII, P | <u> </u> | Expiration Data | | 11/75 | |
| Identification of Sys | Rx Recirc | A Loop Bi | ulk, Syste | em 264A, Clas | s I | | |
| | | | | | | 1174.0 | |
| (a) Applicable Cons | truction Code_ASM | <u>E_III:19</u> | 71 · Edition, | Thru. W. 172 A | ddenda,_ | N/A | Code Case |
| (b) Applicable Editi | on of Section XI Util | lized for Repairs | or Replacement | n 19 <u>80 W'</u> 81 | | | |
| International and Co. | | a Dania and S |) | | | | |
| Identification of Cor | iibouantt Liabanact o | it watniscad sud t | reprecentant Co | mponents | | | |
| | | | | | | | |
| | | | | | | j | ASME
Code |
| | | | National | } | ļ | Repaired, | Stamped |
| Name of | Name of | Manufacturer | Board. | Other | Year | Replaced, | (Yes |
| Component | Manufacturer | Serial No. | No. | Identification | Built | or Replacement | or No) |
| Mechanical | Pact fic | | | RWS-200- / | | Replace- | |
| Shock | Scientific | 12624 | N/A | H11 | N/A | ment | No |
| Mechanical | Pacific | | | RWS-200- | | Replace- | |
| Shock | Scientific | 01637 | N/A | H46 | N/A | ment | No |
| Mechanical | Pacific | 10040 | | SP-DCA- | 1 | Replace- | |
| Shock | Scientific | 18348 | N/A | 202-H2602 | N/A | ment | No |
| Mechanical | Pacific | 20020 | \$1 / A | SP-DCA- | NZA | Replace- | No |
| | | <u> </u> | | | | | |
| SHOCK . | SCIENTIFIC | 07382 | NJA | HII | NA | REPAGED | 140 |
| Shock
SECHANICAL | Scientific
Pacific | 28928 | N/A
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<i>eus-200-</i> | N/A | ment REPAGED | No
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| Description of Work | Replace exi | sting snub | ber with | functionally | tested | i replaceme | nt |
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| Tests Conducted: | Hydrostetia 🔲 🛮 Pn | eumatic 🔲 No | minai Operatin | | | ,.*
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| | Other Pressure_ | _ | | | None X | 1 | |

Page 225 of 288



FORM NIS-2 (Back)

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| | (| CERTIFICATE OF COMPLIANCE |
| We cr | _ | in the report are correct and this replacement conforms to the rules o |
| ASME Code, Se | etion XI. | repair or replacement |
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| T 00d-0 | shal Stema N/A | |
| Type Code Sym | IDOI Stamp117.75 | |
| Cartificate of A | uthorization No. N/A | Expiration Date N/A |
| | (LC 20 0 | |
| Signed | XUDUR | Detle 11-25-82 19_ |
| Owne | v or Owner's Designee, Title Su | uperintendent of Plant |
| | | |
| • obs. undoories | | RTIFICATE OF INSERVICE INSPECTION Issued by the National Board of Boiler and Pressure Vessel Inspectors and the |
| or Province of | Pennsylvania | employed by Arkwright Boston Mfgrs., Mutual Ins. |
| Waltham, | Massachusetts | have inspected the components des |
| in this Owner's | Report during the period Al | U6. 20, 1986 to Oct. 5, 1986 and state |
| to the best of r | my knowledge and belief, the O | Owner has performed examinations and taken corrective measures described |
| Owner's Report | in accordance with the requirer | ments of the ASME Code, Section XI. |
| By signing t | his certificate neither the Inspe | ector nor his employer makes any warranty, expressed or implied, concerni |
| | | sed in this Owner's Report. Furthermore, neither the Inspector nor his em |
| | n any manner for any personal i | injury or property damage or a loss of any kind arising from or connected with |
| inspection | • | · Factory Mutual System |
| (1) Olim | R. Propertit | Commissions PA 2204 NB7980 NIBS IS |
| | Inspector's Signature | National Board, State, Province, and Endorsema |
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| Page | 226 of 288 264A-I |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Owner PENNSYIVANIA POWER & LIENT CO. | Care SEPTEMBER 35, 1986 |
| TWO NORTH NINTH ST. Allen THU, P.A. 18101 | Sheet 2 of 2 |
| 2. Plate SUSQUEHANNA STEAM FLECTRIC STATION | Unit <u>A</u> |
| P.O. BOX 467, BEAUSER, PA 18603 | E = 5 CONST. WAT VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VISSAR, VIS |
| 3. Work Performed by OCONER Name | Type Code Symbol Stamp <u>NONE</u> Authorization No. <u>NA</u> Expiration Date |
| Address 4. Identification of System <u>LX LECIRE A LOOP BUIL</u> | |
| 5. (a) Applicable Construction Code <u>ASMETT</u> 19 71 Edition (b) Applicable Edition of Section XI Utilized for Repairs or Replacement | |

6, Identification of Components Repaired or Replaced and Replacement Components

| 6,1 | Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
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| ę X | MECHANICAL
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SCIENTIFIC | 21549 | NJA | SP-DCA-
202-H3602 | NA | REPHOED | NO |
| | MECHANICAL
SHOOK | PACIFIC
SCIENTIFIC | 24366 | NIA | SP-0CA-
218-H5014 | NA | REPIACEO | NO |
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| | 1944 Steam | | | Unit | | · | |
| P.O. Bux 1 | 167, Berwell | PA 1260 | 13 | W. A. V | - 4374 | H | |
| . Work Performed I | | Name | | Type Code Symbol Authorization No. | Stamp_ | | etc. |
| . Identification of S | Address
System Reactur | Recirculati | un- Syst | Law 14 B-01 | << 1 | 1 | |
| . (a) Applicable Co | enstruction Code AS | UE III 19 | 71 Edition, or Replacement | Winter 172 / | Addenda,_
~ 178 | 15 16-1, 15
- N/4- } | 25-1
CB 1- 2
Code Car |
| . Identification of (| Components Repaired | or Replaced and F | Replacement Co | mponents | | | |
| | | | | | | | |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other Identification | Year
Built | Repaired,
Replaced,
or Replacement | (Yes |
| Component | | 1 | Board | 1 | Built | Replaced, | Code
Stamped
(Yes |
| Component - | Manufacturer | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Code
Stamped
(Yes
. or No) |
| Component - | Manufacturer | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Code
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(Yes
. or No) |
| Component Lx Recipe | Manufacturer | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Code
Stamped
(Yes
. or No) |
| Component Recirc scharze Value | Manufacturer | Serial No. 71-6E- 49198-33 | Board
No. | HV-143 F031 8 | 1475 | Replaced, or Replacement | Code
Stamped
(Yes
or No) |

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.



(12/82)

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

Page 22B of 288

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| | ×. | FORM NIS-2 (Back) |
| | 4 ; | 9. Remarks N/A |
| | ż | Applicable Manufacturer's Date Reports to be attached |
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| | 4 4 | • |
| 3 | "e | CERTIFICATE OF COMPLIANCE |
| つ
つ | | We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI. |
| Ś | *** * | Type Code Symbol Stamp |
| | • | Certificate of Authorization No. N/A Expiration Date N/A |
| ~ • | Уя | Signed Owner or Owner's Designee, This Superintendent of Plant |
| ~; | * | CERTIFICATE OF INSERVICE INSPECTION |
| • • | ٠ <u>٠</u> ٠. | 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGES, MUTUAL INS. Co. of |
| ~! | 45 | WALTHAM MASShave inspected the components described |
| ن. | 15. | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this |
| Ω. | 15 | 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 |
| | 4* | 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 SYSTEM |
| 5 | teet | William R. Rogero III Commissions NB 7980 PA 2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements |
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| | • | Date JAN: 3 19.86 |

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(12/82)

| 1. (| owner Pennsyl | VANIA TOWER | & Light Gu | MANA | Date 3-6-85 | | | | | |
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| | 2 N. 9Th S | t. Allento | WN PA. 1 | 8101 | Sheet | of | | | | |
| | Plant Suzqueh | AGGIESS | • | | Unit 2 | | | | | |
| 1 | P.O. Box 96 | Name
Rennich | DA 1960 | 3 | WORK Auth | 0872 V4 | V43 | 74 | | |
| | | - |) H. 1000 | | Repair Orga | enization P | .O. No., Job No., | etc. | | |
| 3. \ | Work Performed by | 000EK | Name | | Type Code Symbol Authorization No. | Stamp | N/H- | | | |
| | · · · · · · · · · · · · · · · · · · · | Address | | | Expiration Date | N/A | | | | |
| 4, 1 | dentification of Sys | nem Reactor | Recipcul | LAtion, | 264 - B | .1 | | | | |
| | (b) Applicable Editional Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Constitution of Cons | | | | Winter 72
19 <u>80,</u> W | inter | 81 Adden | dA | | |
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This Form (F00030) may be obtained from the

Page 230 of 288

FORM NIS-2 (Back)

| 34 | 9. Remarks N/A Applicable Manufacturer's Data Reports to be attached |
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| | CERTIFICATE OF COMPLIANCE |
| r.
Lu | We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. |
| 12 ° | 12/4 |
| P 93 | Type Code Symbol StampN/_A |
| | Certificate of Authorization No. N/A Expiration Date N/A |
| · | |
| *-
-\$ | Signed // WWW. W. Superintendent of Plant Signed January 7, 19 86 Owner or Owner's Designee, Tips Superintendent of Plant |
| | Super Internación of Trans |
| n#Z | CERTIFICATE OF INSERVICE INSPECTION |
| | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stor Province of PENNA * and employed by ARKWRIGHT BOSTON MEGES MUTUAL INS. Co. |
| ••• | or Province of PENNA and employed by ARKWRIGHT BOSTON MEGES MUTUAL INS. Co. |
| | in this Owner's Report during the period Nov. 7, 1984 to DEC. 17, 1984, and state to |
| ** | |
| | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in t |
| **
*** | Owner's Report in accordance with the requirements of the ASME Code, Section XI. |
| | 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 |
| 4 19 | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in to 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employs 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 state of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the c |
| 4 19 | 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer. |
| 4 19 | 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employshall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with to inspection. FACTORY MUTUAL SYSTEM |
| T 19 | 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employshall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with to inspection. FACTORY MUTUAL SYSTEM |

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| 2. Plam <u> </u> | | | | Unit 2 | | ч |
| · · | 67, Beruic | | 603 | W. A. V- | 445 | 77 |
| | 7001639 | | | | | |
| 3. Work Performed by | 7411000 | Name | • | Type Code Symbol : Authorization No. | Stamp_^
N/A | 1/1 |
| | Address | | | Expiration Date | | |
| 4. Identification of Sy | | Rozivalatio | in - Sveti | m 64B - | Class | 1 |
| | | | , , | • | | |
| 5. (a) Applicable Con | struction Code_ <u>AS</u> | ME III 19 | 71 Edition, | Summer 72 A | ddenda,_ | <u> NJA</u> |
| (b) Applicable Edi: | ion of Section XI U | tilized for Repairs | or Replacements | 19 Es/Winter | יופ' י | • |
| 6. Identification of Co | omponents Regained | or Replaced and F | Rentacement Con | nnonente | | |
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| Name of | Name of | Manufacturer | National | Other | Year | Repaired,
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| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No; | t | Other
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| Component | 1 | | National
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or Replacement |
| Component Reaton Resince | Manufacturer Bickti | Serial No. | National
Board
No. | Identification SP-PCA-242-NI4 | Built
 -
 1983 | Replaced,
or Replacement |

· Page 232 of 288 -



FORM NIS-2 (Back)

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| 9. Remarks NA - |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicable Manufacturer's Data Reports to be attached |
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| • |
| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this <u>vep 41r</u> conforms to the rules of the ASME Code, Section XI. |
| Asine cook, section Att |
| Type Code Symbol StampN/A |
| |
| Certificate of Authorization No. NA |
| Signed Jenus M (Summer Date January 7 1986 |
| Superintendent of Plant |
| CERTIFICATE OF INSERVICE INSPECTION |
| f, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State |
| WALTHAM, MASS |
| in this Owner's Report during the period DEC 6, 1984 to DEC 18, 1984, 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 SYSTEM |
| Weight Margar 6/6/6/ |
| Use R. Rogers TIL Commissions NB7980 PA 2204 NIBS TS Inspender's Signature National Board, State, Province, and Endorsements |
| |
| Date JAN. 14 19.86 |
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| Owen Pernsylve | ST. Allent | OLUN PA. | <u> 18101 </u> | Sheet | | | | |
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| Plam Susquel | | | 54.0 ·s | WA
Repair Orga | Yino | 48 | | |
| F.O. Box 40 | | | 5005 | Repair Orga | nization P. | O. NO., JOB NO., | etc. | |
| Work Performed by | OWNEL | Name | | Type Code Symbol | | | | |
| • | | | | Authorization No Expiration Date | | | | |
| | Address | <i>A</i> : | - | | | | | |
| Identification of Sys | men <u>Redesta</u> | Recire | LUIATION | | | 2-64B | · <u>T</u> | |
| (a) Applicable Cons (b) Applicable Editi | truction Code <u>735/</u>
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ilized for Repairs | · <mark>7/</mark> Edition,_
or Replacements | <u> </u> | iddenda, | <u>NA</u> | Code Case | |
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| Identification of Con | mponents Repaired | or Heplaced and H | epracement Com | ponents , | | | | |
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National | ¥ \$ 21 | | Repaired. | ASME
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| Name of Component | Name of Manufacturer | Manufacturer
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| | | RW5-200 | | _ | | ļ | Yes | |
| De Honger | BechreL | 1+27 | / <u>/</u> / | N/n | 1983 | PePAIred | NO 15 11 23 | |
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| | | neumatic No | _ | - | NONE | • | | |
| | Other Pressure | | Test Temp | | | | 1 | |
| | al abass in form o | fliste sketches o | r drawings may b | e used, provided (1 |) size is 8% | in. x 11 in., (2) i | nforms• * | |

. Page 234 of 288

FORM NIS-2 (Back)

| Remarks <u>N<i>jp</i></u> | |
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| Nemarks | Applicable Manufacturer's Data Reports to be attached |
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| | CERTIFICATE OF COMPLIANCE |
| | nents made in the report are correct and this <u>Refined</u> conforms to the rules of the |
| ASME Code, Section XI. | repair or replacement |
| | |
| Type Code Symbol Stamp_ <u>H/A</u> | |
| NI ON NI | 11 |
| Certificate of Authorization No. M | Expiration Date \dot{N}/A |
| Signed | Date November 7 19 86 |
| Owner or Owner's Designe | Supt. of Plant |
| | |
| the undersigned holding a valid of | CERTIFICATE OF INSERVICE INSPECTION ommission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State |
| or Province of <u>YENNA</u> | and employed by ARKWRIGHT BOSTON MEGRS MUTUAL INS. Co. o |
| WALTHAM, MA | have inspected the components described |
| n this Owner's Report during the | |
| | elief, the Owner has performed examinations and taken corrective measures described in thi
the requirements of the ASME Code, Section XI. |
| | ir the Inspector nor his employer makes any warranty, expressed or implied, concerning this |
| xaminations and corrective measur | res described in this Owner's Report. Furthermore, neither the Inspector nor his employe |
| | y personal injury or property damage or a loss of any kind arising from or connected with this |
| rspection. | FACTORY MUTUAL SYSTEM |
| Villiam R. Koges 1 | Commissions NB7.980 PA2204 NIES 15 |
| Inspector/s Signat | ture National Board, State, Province, and Endorsements |
| Usliam R. Roges 2 Inspectoffs Signat | 19.86 |
| 13 (4-13 O 1 · 1/2 | _19_ <u>0_B</u> |

FORM NIS-2 OWNER S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

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Page 236 of 280.

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| | - | - | ŧ | FORM NIS:2 (| Back), | | | |
| Remarks | N-Z | CATA | R. port | - ATTITLE | d | | | |
| | | | Applicable | Manufacturer's | Data Reports | to be attached | | - |
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| | , | statements | made in the r | report are correct | and this <u>Re</u> | correplacement در | informs to : | the rules of the |
| ASME Code, | Section XI. | 1 | | | | | | |
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| Type Code Sy | ymbol Stamp_A | TONE_ | · | : | | · · · · · · · · · · · · · · · · · · · | | |
| Certificate of | Author zation i | ٠ | N/I | | _Expiration (| ate NA | | |
| (| -t/h/ | () | - · · · | . () | | November | 7 | 86 |
| SignedOw | ner of Owner's | Designee, Ti | Supt | t. of Plant | Date | Noveliber | | _, 19 |
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| or Province of | igned, holding a | valid commi | ission issued b
_and employ: | by the National E
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<i>RICみゃ</i> B | r and Pressure Ves
ಯ <i>ಗುಬ್ಬ M.F.G.R</i> | isel Inspecto
5. Mu ru | ors and the State
4L INS (201 |
| WALTIJA | M. MA | | | | | have inspected | the compo | nents described |
| in this Owner | r's Report duri | ng:the perio | ים <u>אירא</u> | 14, 1936 | 10_Q | 1,2 6, 1980 | | , and state that |
| | | | | has performed ex
of the ASME Cod | | id taken correctiv | e measures | described in this |
| | | | | | | rranty, expressed | or implied | concerning the |
| | | | | | | nore, neither the | | |
| | in any manner | for any pen | sonal injury o | or property dama | | any kind arising i | | |
| inspection. | | | | | ` FA | CLUBA YILLII | Y SYSTEA | Á |
| Willian | mR-Roo | US III | | Commission | NB7980 | PARROA | N | ibs is |
| | m R-Rog
Inspectoffs
19 | Signature | | | National | Board, State, Prov | ince, and E | ndorsements |
| Dan May | 19 | | 86 . | | | | _ | |
| Date 17 U Y. | <u>.u</u> | 19, | 06 - | | | | • | |

| 2. Plant SUSQUE P.O. Box 4 3. Work Performed by 4. Identification of System 5. (a) Applicable Cons | Address SHANNA STEAM Name LOT BERWIC Address OWNER Address Stem REACTOR STRUCTION COde AS | LENTOWN, ELECTRIC K, PA 18 Name RECIRCULA ME III 19 | PA 18101 STATION 603 4TION - 3 74 Edition. | | of | N/A
LASS Z | •1c |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------|----------------------|---------------|------------------------------------------|-----|
| 6. Identification of Co
Name of
Component | Name of Manufacturer | Manufacturer
Serial No. | National
Board
- No. | Other Identification | Year
Built | Repaired,
Replaced,
or Replacement | St |
| RECIRC. SEAL
SUPPLY CHECK VALVE | BORG
WARNER 2 | 11693 | N/A | 213F013B | 1976 | REPAIRED | 7 |
| 11 | BOZG.
WARNER | 11685 | ∧/A | 243F0I3A | 1976 | REPAIRED | > |
| 7. Description of Work | SEAL WELD | BODY TO | BONNET | | | | |
| | Hydrostatic Pn Other Pressure tal sheets in form of | /500 psi | Test Temp, | <u>8</u> 5 - F | | , | -4- |

recorded at the top of this form,

Page 238 of 288

| | Remarks N/A Applicable Manufacturer's Data Reports to be attached |
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| | CERTIFICATE OF COMPLIANCE |
| | We certify that the statements made in the report are correct and this REPAIR conforms to the rules of t |
| | ASME Code, Section XI. |
| | • |
| | Type Code Symbol Stamp |
| 1 | |
| l | Certificate of Authorization No. NA Expiration Date NA |
| | |
| 1 | Signed Owner of Swpers Designee Fine Plant Superintendent January 22, 19 86 |
| L | Talle Superincendenc |
| 2 | CERTIFICATE OF INSERVICE INSPECTION |
| 1 | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S |
| 1 | or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGRS, MUTUAL INS. Co. |
| 1 | WALTHAM, MASS. have inspected the components descri |
| | in this Owner's Report during the period JUN. 23, 1983 to JUL. 7, 1983, and state |
| | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in 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 |
| 1 | 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 |
| 1 | inspection. FACTORY MUTUAL SYSTEM |
| | WILL PRESENTED WITHER WITHER |
| 1 | William R. Roger III Commissions NB7980 PA2204 NIBS III |
| ۲) | |
| | Date FEB. 12 19.86 |

| 1 - 1 . | | | | • | 1 95 | <u></u> | |
|----------------------------|-----------|----------------------------|----------------|-------------------------|---------------|------------------------------------------|--------------------------------------------------|
| | ufacturer | Manufacturer
Serial No. | National Board | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stampe
(Yes
or No |
| Offgus AME- | TEK | 78312 | 1 63 45 | PA48378 | 1475 | Repaired | Y = 3 |
| 7. Description of Work Rep | | two lu∠ | latin s | +015 | | | |

Page 240 of 288

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FORM NIS-2 (Back)

| ** | 9. Remarks N/A |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4 | Applicable Manufacturer's Data Reports to be attached |
| 5 3 | |
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| | • |
| | CERTIFICATE OF COMPLIANCE |
| 3 | We certify that the statements made in the report are correct and this <u>repair of replacement</u> conforms to the rules of the ASME Code, Section XI. |
| * | Type Code Symbol StampN/A |
| • | |
| | Certificate of Authorization No. N/A Expigation Date N/A |
| | Signed Thornas W Jumm Date January 7 19 86 |
| | Owner or Owner's Designee, Title Superintendent of Plant |
| ſ | |
| | CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State |
| - | or Province of PENNA and employed by ARKWRIGHT Boston Meges. Mutual Ins. Co. |
| ı | WALTHAM MASS: have inspected the components described |
| . | in this Owner's Report during the period FEB. 9. 1984 to APR. 9, 1984, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this |
| ı | 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 employed |
| | shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. |
| . | inspection. FACTORY MUTUAL SYSTEM |
| | William K. Kogeis III Commissions PA 2204 NB 7980 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements |
| | (1994) 3 Signature (Vertical Board, State, Province, and Endorsements |
| | Date_ JAN. 14 19.86 |
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| | 1. | Owner Pruncy | vania Power | · * Light | t : Lo. | Date 12/30 | 1856 | <i>1-</i> | <i>-</i> | | |
| | | Two Us. | Two No. 4th St., Allentown, PA 18/01 | | | | Sheetofl | | | | |
| ie. | 2. | Plam Susquella | | | | Unit 2 | | | | | |
| . ** | • | | 37, Benwick | | W. A. U-34073. Repair Organization P.O. No., Job No., etc. | | | | | | |
| • | 3. | Work Performed by | | Type Code Symbol Stamp_N/A | | | | | | | |
| 48 - | | | | | | Authorization No. | | , | | | |
| | | | Address | | | Expiration Date | • | | | | |
| اساء | 4, | Identification of Sys | gen Contains | neutAtir | osphere. | contal= & vs | tem 7 | 3A-Class | 1 | | |
| | | | | Mg No | /\frac{1}{2} | 4 5 | No. | 4 | | | |
| 176 | 5. | (a) Applicable Cons (b) Applicable Editi | truction Code <u>//5</u> | ME III 19 | 哉 Edition, | Winter 74 | Addenda,_ | N/A | _Code Cas | | |
| ************************************** | | (b) Applicable Editi | on of Section XI Uti | lized for Repairs | or Replacement: | s 19 <u>82/ W</u> inte | - 180 | | | | |
| •r | 6. Identification of Components Repaired or Replaced and Replacement Components | | | | | | | | | | |
| v | | | | - eg 12 ljš | ريان
اسمر | | | * | ASME
Code | | |
| 1 | | Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | Stamped
(Yes
or No) | | |
| \$ | | ont, Atmus, Samp
Iso., Value, | Target | 75KK-201- | MA | SV 257 428 | 1477 | Repaired | Yes | | |
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| 3 | 7. | Description of Work | Seal we | 18 body | to bonn | <u>et </u> | | | | | |
| | 8. | | Hydrostatic Pn Other Pressure | | minal Operating Test Temp | | | • • | | | |

recorded at the top of this form.

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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

Page 242 of 288

| | * |
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| | FORM NIS-2 (Back) |
| | A. () |
| Remarks | N/A |
| | Applicable Manufacturer's Data Reports to be attached |
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| | * ACDVICIONED OF COURT AND |
| w | CERTIFICATE OF COMPLIANCE /e certify that the statements made in the report are correct and thisconforms to the rules of the |
| | e certify that the statements made in the report are correct and this <u>repair</u> conforms to the rules of the repair or replacement |
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| Type Code S | Symbol Stamp |
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| Signed | homes M Camming Date 1/21/86 |
| , O1 | wher or Owner's Designee, Title |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| I, the under | signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta |
| | of PENNA. and employed by ARKWRIGHT BOSTON MEGRI MUTUAL INS. Co. |
| | MASS. have inspected the components describ |
| | per's Report during the period SEP. 27, 1983 to OCT. 6, 1983, and state the |
| | of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th
Port in accordance with the requirements of the ASME Code. Section XI. |
| , | • |
| | ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t
is and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ |
| | is and corrective measures described in this Owner's neport. Purtnermore, neither the inspector nor his employ
He in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the |
| inspection. | FACTORY MUTUAL SYSTEM |
| • • • | |
| Willia | mi R. Rogers III Commissions NB7980 PA 2204 NIBS IS |
| | Inspector's Signature National Board, State, Province, and Endorsements |
| | |
| Date FEB | <u> 19 86 </u> |

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| . Owner LEANSY! | VANA POWER | ANO Light | - Co | Date | 86 | <i>U</i> · | |
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O. No., Job No., | |
| [,] | Address | | | • | - | • | etc., |
| . Wark Performed b | V ONNEC | Name | ···- | Type Code Symbol: | | | |
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| . Identification of S | ystem Conti | ATmos. | CONTROL | | | 2- 73/ | 7-11 |
| tal Amaliachia Ba | nstruction Code <u>A</u> | ne III 10 | 80 Edition | ₩80 A | ddaada | Λ) <i>Α</i> | Code Case |
| | tion of Section XI Ut | | | | 00enus, | | |
| (b) Applicable Lu | tion of Section At ot | | * | o to distance. | | | |
| Identification of C | omponents Repaired | or Benjaced and E | Bantacament Co | 70000011 | | | |
| Identification of C | Omponents repelled | or mepraced and r | reprecentant con | iiponents | | • | |
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| Name of Component | Name of Manufacturer | Serial No. | Board
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| MAIN DISC | CIRPENTER | NA | NA | 5V- 35757A | 1982 | Replaced | 4 |
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weld, Re | SV- A57 SIA | 1986 | Replacement | Y |
| MAINS DISC | TAYGET ROCK * Renzer & Budy Hydrostatic Pr | 45.5 To BackveT | weld, Re | SV- A57 SIA | 1986 | Replacement | Y |
| MAIN DISC Description of Wor | TAYGET Rock | 45.5 To BackveT | weld, Re | SV- 257 53A | 1986 | Replacement | Y |
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| Description of Wor. Tests Conducted: | TAYGET ROCK * Renzer & Budy Hydrostatic Pr | To BockeT Note that the second of lists, sketches, c | minal Operating Test Temp. | Pressure F | 1986
AIS, Co
EXEI | Replacement | wet to |

Page 24.4 of 288

| FORM NIS-2 (Back) | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 9. Remarks N-Z CATTA REPORT ATTOCHER | |
| Applicable Manufacturer's Data Reports to be attached | |
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| CERTIFICATE OF COMPLIANCE | |
| We certify that the statements made in the report are correct and this Reving conforms to the ru | iles of the |
| ASME Code, Section XI. repair or replacement | |
| | |
| Type Code Symbol Stamp_NON E | |
| Certificate of Authorization No. H/A Expiration Date H/A | |
| Expiration Date M/2 | |
| Signed | 86 |
| Supt. of Plant | |
| CERTIFICATE OF INSERVICE INSPECTION . | |
| ી, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors an | d the State |
| or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGES MUTUAL THS. (WALTHAM MA. | |
| in this Outraria Banana during the paried Turky 10 109/ | described state that |
| to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures descri | ibed 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, cond | erning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected. | s employer |
| inspection. FACTORY MUTUAL SYSTEM | d with this |
| WEREALD PLACE WITH | S IS |
| Inspector's Signature Commissions NB7980 PA2204 NIE National Board, State, Province, and Endors | |
| | |
| Date Nov. 18 19 86 | |
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| Mam Susquel | Name | Electric S | TATTON | Unit <u>a</u> | 1/-44 | | |
| 0 Box 46 | 7 Berwick | <u> </u> | 7603 | Repair Orga | nization P. | ON OOL ,.ON .O. | etc. |
| Wark Performed by | OWNER | No. | | Type Code Symbol | | | |
| | | NAME | | Authorization No. | | | |
| | Address | | | Expiration Date | / | ¥/ <i>H</i> | |
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| | struction Code <u>/75/7</u> | | | | ddenda,_ | | Code Ca |
| (b) Applicable Edit | ion of Section XI Uti | ilized for Hepsins | or Haplacementi | 18 | | | |
| Identification of Co | emponents Repaired o | or Replaced and F | Replacement Con | nponents . | 1 | T | 1 |
| Name of Component | Name of
Manufacturer | Manufacturer
Serial No. | National
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Identification | Yeer
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or Replacement | ASME
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This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Page 246 of 288

| PUMM NI3-2 (DBCK) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9, Remarks NPY-1 DATA ReforTs ATTACKED |
| Applicable Manufacturer's Data Reports to be attached |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this REFMICONCOL. conforms to the rules of the ASME Code, Section XI |
| Asing Good, Section At |
| |
| Type Code Symbol Stamp Alane |
| 11/4 |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed November 24 19 86 |
| Owner of Owner's Designee, Title Supt of Plant |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| क्रेंI, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesset Inspectors and the State |
| or Province of PENNA and employed by ARKWRIGHT BOSTON MEERS, MUTUAL THE CO of |
| in this Owner's Report during the period Jun. 11,1986 to Jun. 14,1986, and state that |
| in this Owner's Report during the period with 11,1706 to Von. 14,1706, 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. |
| 8 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, ne ther the inspector nor his employer |
| snall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this |
| FACTORY MUTUAL SYSTEM |
| William P. Roger III Commissions NE79EO PLZZO4 NIES IS |
| Inspector's Signature National Board, State, Province, and Endorsements |
| |
| Date DEC. Z 19 BC |
| <u></u> |

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI STEAM Electric 720 ? serwick Organization P.O. No., Job No., etc. Type Code Symbol Stamp\_\_\_ NO 3. Work Performed by\_ NA Authorization No. \_ Expiration Date\_ Address ATmes Court Identification of System. 5. (a) Applicable Construction Code ASMC III \_19\_*돈の*\_Edition<u>, いない</u> Addenda.\_\_ (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 30.081 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Stamped Repaired, National (Yes Replaced, Manufacturer Board Name of Name of Other Year or No) or Replacement Built Component \* Menufacturer Serial No. No. Identification Glob- Value CARPENTER. SP-HCB -817-H50,7 Nο 1983 7. Description of Work\_ 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Z EXEMPT Other Pressure\_ psi Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% in. x 11 in., (2) information to be used as a line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the line of the l tion in items 1 through 8 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.

(12/82)

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

Page 248 of

| | FORM NIS-2 (Back) |
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| Remarks | N.Z DATA REPORT ATTINATED |
| | Applicable Manufacturer's Data Reports to be attached |
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| | CERTIFICATE OF COMPLIANCE |
| ASME C | We certify that the statements made in the report are correct and this <u>Peplix emer. IT</u> conforms to the rules of the role, Section XI. |
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| | , |
| Type Coo | de Symbol Stamp_NONE |
| Certificat | te of Authorization No. HA Expiration Date N/4 |
| | |
| Signed | Owner or Owner's Designee, Title |
| | Supt. of Plant |
| | CERTIFICATE OF INSERVICE INSPECTION |
| I, the un | dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat |
| or Provin | ce of PENNA and employed by ARKWEIGHT BOSTON MAGES MUTUAL INS. CO |
| | HAM M4. have inspected the components describe |
| | owner's Report during the period Tory 14, 1936 to Oct. 6, 1986, and state the est of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the |
| | Report in accordance with the requirements of the ASME Code, Section XI. |
| | |
| By sig | r. |
| | oning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th |
| examinat | ining this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th
ions and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe
lable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi |
| shall be I inspection | ining this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the ions and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this particular interests. |
| shall be I | ining this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th
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Page 250 of 2008

| • | FORM NIS-2 (Back) |
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9 | Remarks NPV-1 DATA Report ATTAChed |
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۸ | Applicable Manufacturer's Data Reports to be attached |
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| _ | CERTIFICATE OF COMPLIANCE |
| | We certify that the statements made in the report are correct and this Derlinearing Conforms to the rules of the |
| | ASME Code, Section XI. |
| • | |
| , | Type Code Symbol Stamp |
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| | Certificate of Authorization No. N/2 Expiration Date /U/2 |
| • | Signed December 4 19.86 |
| 2 | Owner or Owner's Designee, Title Supt. of Plant |
| ۲, | APRILIANT OF INCERNIAL INCREATION |
| à | CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State |
| Q#:
⊊ | or Province of PENNA and employed by AREWRICHT BOSTON MEGES MUTUAL INS. Co of |
| | WACTHAM MA have inspected the components described |
| P <sup>a</sup> | in this Owner's Report during the period JAN. 17, 1986 to FEB. 5, 1986, 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 |
| Ð | 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 SYSTEM |
| 4 | |
| 4, | William R. Torque III Commissions NB7980 PA2204 NIBS IS Inspector & Signature Commissions National Board, State, Province, and Endorsements |
| | Inspector's Signature Mational Board, State, Province, and Endursements |
| • | Date DEC. 15 19.86 |

| | V) Under | | | | | year | 900 |
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| 2. Plant SUSQUE | - Address | | | Unit2 | | | |
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| 3. Work Performed by | OWNER | Name | | Type Code Symbol | | | |
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| 4. Identification of Sys | tem Cout. | ATMOS. | (2,0770 | <u> </u> | | 2/3. | 9 - 77 |
| 5. (a) Applicable Cons | enterior Code AS | me TIE 19 | 80 12-13-46 | W80 (2-1) | 7.
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| (b) Applicable Editi | on of Section XI Ut | ilized for Repairs | or Replacements | 19 80 WAD | | | |
| <u>,</u> | | | • | DJA-15-86 | | | • |
| 6. Identification of Co | mponents Repaired | or Replaced and f | Replacement Corr | nponents | | | |
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| tion in items 1 thro | • | t is included on (| each sheet, and (| 3) each sheet is nur | nbered an | d the number of: | sheets is |
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FORK NIS 2 OWNER'S REPORT FOR REPAIRS OR REPL

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Page 252 of 288

| FORM NIS-2 (Back) |
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| Remarks N-Z NATA KNOTT ATTACKED Applicable Menufecturer's Date Reports to be attached |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this <u>Revincement</u> conforms to the rules of the |
| ASME Code, Section XI. |
| w. |
| Type Code Symbol Stamp |
| Certificate of Authorization No. Sha Expiration Date |
| $\mathcal{A} \wedge \mathcal{A} \cap$ |
| Signed December 4 19 86 |
| Swot. of Plant |
| CERTIFICATE OF INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vasse! Inspectors and the State or Province of PENNA. and employed by AREWRIGHT BOSTON MESES. MUTUAL INS. Co. of |
| WALTHAM, M'A. " have inspected the components described |
| in this Owner's Report during the period TAN. 17,1986 to FEB. 5,1986, 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 SYSTEM |
| (V) Signature Commissions NB7980 PA2204 NIBS IS National Board, State, Province, and Endorsements |
| Inspector Signature National Board, State, Province, and Endorsements |
| Date DEC. 15 1986 |
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(12/82)

| . Owner fearesyl | VANIA ROCK | and Light C | <u></u> | Date _6/12/8 | <u></u> | V | |
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| . Plam <u>Sus@ve</u> H | ANNA STEAM | Fleutric | STATION | Unit | | | - |
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| . Work Performed by | OWNER | Name | | Type Code Symbol Authorization No. Expiration Date | Stamp | w/a | · |
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| (b) Applicable Edi | estruction Code <u>ASr</u>
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components Repaired o | lized for Repairs | or Replacements | 19 <u>50 W</u> EI | Addenda,_ | _ <i>\\\ ja</i> | "Code Case |
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| . Description of Wor | k Remove Body Hydrostatic □ Pn | | minal Operating | | EXEM | | |

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

Page 254. 9 288



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| | FORM NIS-2 (Back) |
| ٥ | Remarks N-3 OATA Report ATTACKED |
| | Applicable Manufacturer's Data Reports to be attached |
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| | We certify that the statements made in the report are correct and this <u>Reflection</u> conforms to the rules of the ASME Code, Section XI. |
| | |
| | Type Code Symbol Stamp NONE |
| | Certificate of Aythotization No. NA Expiration Date HA |
| | AMC O |
| | Signed |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State |
| | or Province of PENNA. and employed by ARKWRIGHT BOSTON MECRS. MUTJAL INS. Ca of WALTHAM, MA. |
| 1 | in this Owner's Report during the period JUNE 13, 1986 to JUNE 16, 1986, and state that |
| | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this |
| i . | 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 |
| 1 | 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 SYSTEM |
| | William R. Rogers III Commissions NB7980 PA2204 NIBS IS |
| 1 | Inspector's Signature National Board, State, Province, and Endorsements |

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

Page 256 of 293

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| FORM NIS-2 (Back) | |
| * Remarks N-2 DATA REPORT STACKED | |
| Applicable Manufecturer's Data Reports to be attached | |
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| CERTIFICATE OF COMPLIANCE | |
| We certify that the statements made in the report are correct and this <u>Reflection Colf</u> conforms to the rule ASME Code, Section XI. | les of the |
| Agme Cour, Section Att | |
|). | |
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| Certificate of Aythorization No. NA | |
| | 06 |
| Signed Owner or Dwner's Designee, Title Date November 7, 19 | 86 |
| Supt. of Plant | <u></u> |
| CERTIFICATE OF INSERVICE INSPECTION | |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and | |
| or Province of PENNA. and employed by ARKWRIGHT BOSTON MEGE MUTUAL INS | |
| in this Owner's Report during the period TUNE 16, 1986 to Oct. 15, 1986, and | described |
| to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures descri | bed in thi |
| 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, cond | |
| examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his | |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected inspection. FACTORY MUTUAL SYSTEM | d with thi |
| William R. Rogero TI Commissions NB7980 PA2204 NIBS | SIS |
| Inspector's Signature National Board, State, Province, and Endors | ements |
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| Date Nov. 21 19.86 | |
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| | WANIA POWER Name | | | Date 6-17-8 | | | |
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| 3. Work Performed b | -OWNER | Name | = | Type Code Symbol | | | |
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| | Address | | , | Expiration Date | | | |
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| | FORM NIS-2 (Back) |
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| Remarks _ | Fulm N-2 DAFA PERET ATTACKED |
| | Applicable Manufacturer's Data Reports to be attached |
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| | CERTIFICATE OF COMPLIANCE |
| | We certify that the statements made in the report are correct and this Replacement conforms to the rules of the |
| | de, Section XI, |
| | |
| | . Our but Course NO N.E. |
| Type Code | e Symbol Stamp_NONE |
| . Certificate | e of Authorization No |
| | Date November 7 19 86 |
| Signed | Owner or Owner's Designee, Title Supt. of Plant |
| | Super of plant |
| | CERTIFICATE OF INSERVICE INSPECTION |
| I, the und | lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat |
| | e of PENNA. and employed by ARKWRIGHT BOS TON MFGRS MUTUAL THE CO o |
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| | wher's Report during the period 400 15, 1700 to Control of the corrective measures described in this take that the corrective measures described in this |
| | Report in accordance with the requirements of the ASME Code, Section XI. |
| | ning this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning th |
| | ons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe |
| | able in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi |
| inspection | • |
| Will | Commissions NB7980 PA2204 NIBS IS |
| × | Inspector's Signature Commissions NB7980 PA2204 NIBS IS National Board, State, Province, and Endorsements |
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| We certify that the statements made in the report are correct and this Poplic on on forms to the rules of the ASME Code, Section XI. |
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| Tura Carta Sumbal Storma NONE |
| Type Code Symbol Stamp_NONE |
| Certificate of Authorization No. HA Expiration Date N/1 |
| Signed M. Cum Pate November 7 19 86 |
| Signed Owner or Owner's Designee, Title Supt. of Plant |
| |
| CERTIFICATE OF INSERVICE INSPECTION |
| 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of YENNA. and employed by ARKWISIERT BOSTON MEGRS. MUTUS. TWS. Co. of |
| WALTHAM MA. have inspected the components described |
| "in this Owner's Report during the period JUNE 16 1986 to Oct. 9, 1986, 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 |
| FACTORY MUTUAL SYSTEM |
| William P. Program TE Commissions NB7980 PA2204 NIES IS |
| Inspector's Signature National Board, State, Province, and Endorsements |

(12/82)

Date Nov. 21

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

Page 264 of 283

FORM NIS-2 (Back)

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| 9. Remarks N-Z DATA RePort ATTAChed | |
| Applicable Manufacturer's Data Reports to be attached . | |
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| CERTIFICATE OF COMPLIANCE | |
| We certify that the statements made in the report are correct and this <u>Refliceiout</u> conforms to the rules of ASME Code, Section XI. | the |
| ASME Code, Section A1. | |
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| * Alla | |
| Certificate of Authorization No. N/A Expiration Date N/A | |
| Signed November 7 19 86 | |
| Owner or Owner's Designee, Title Supt. of Plant | |
| n 'I | |
| CERTIFICATE OF INSERVICE INSPECTION | |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Gor Province of PENNAand employed by ARKWFIGHT BOSTON MFGRS. MUTUAL INS. CO | State |
| WATTHAM MA have inspected the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components described the components descr | |
| ufin this Owner's Report during the period JUN-16, 1986 to SER 29, 1986 and state | that |
| to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in | n this |
| Sowner'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 second of implied, concerning the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th | g the |
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| entification of Co | omponents Repaired | or Replaced and R | eplacement Com | nponents | | <u> </u> | ·
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| | | 1 | | • | 1 | | ASME |
| Name of
Component | Name of
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or Replacement | Code
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(Yes
or No) |
| Component | 1 | 1 | Board | | Built | Replaced,
or Replacement | Stamped
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| Component 41N 015c | Manufacturer | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Stamped
(Yes
or No) |
| Component 4IN DISC | CASPENTER TARRET | Serial No. | Board
No. | Identification SV-257704 | Built | Replaced, or Replacement | Stamped
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or No) |
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No. | Identification SV-257704 | Built | Replaced, or Replacement | Stamped
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or No) |
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No. | Identification SV-257704 | Built | Replaced, or Replacement | Stamped
(Yes
or No) |

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

(12/82) \*

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

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Page 266 of 288

| FORM NIS-2 (Back) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19. Remarks N-Z DATA ROOTT ATTRICAL |
| Applicable Manufacturer's Data Reports to be attached |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this Replacement conforms to the rules of the |
| ASME Code, Section XI. |
| |
| Type Code Symbol Stamp_NO/VE |
| Certificate of Authorization No NA Expiration Date NA |
| Expiration Date |
| Signed |
| Owner or Owner's Designee, Title Supt. of Plant - |
| CERTIFICATE OF INSERVICE INSPECTION |
| 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State |
| or Province of PENNA and employed by ARKWPIGHT BOTTON MEGES MUTUALING CO of |
| WALTHAM, MA. have inspected the components described in this Owner's Report during the period July 16, 1936 to Oct. 9, 1986, 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 SYSTEM |
| l |
| William R. Rague TIE Commissions NB7980 PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements |
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| Date_/VOV. 2119.86 |
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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

(†2/82)

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

: Page 268 of 288



| FORM NIS-2 (Back) | |
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| 9. Remarks N-Z OATA ROPORT ATTACKED | |
| Applicable Manufacturer's Data Reports to be attached | |
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| CERTIFICATE OF COMPLIANCE | \Box |
| We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the | |
| ASME Code, Section XI. | 1 |
| • | ĺ |
| Type Code Symbol Stamp NONE | - |
| Certificate of Authorization No. N/A Expiration Date N/A | ļ |
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| Signed Owner or Owner's Designee Title Date November 7 , 19 86 | _ |
| Owner or Owner's Designee, Title Supt. of Dant. | |
| CERTIFICATE OF INSERVICE INSPECTION | \neg |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat | :• |
| or Province of PENNA. and employed by ARKWRIGHT BOSTON MFERS. MUTUAL INS. Ca of WALTHAM, MA. have inspected the components describe | of |
| (in this Owner's Report during the period JUNE 16,1986 to Oct. 9,1986 and state that | 31 |
| to the best of my knowledge and belief, the Owner has performed examination's and taken corrective measures described in this | |
| Owner's Report in accordance with the requirements of the ASME Code, Section XI. | 1 |
| 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 employe | - 1 |
| shall be 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 | - { |
| William R. Rogerett Commission NB7980 PA2204 NIBS IS | |
| Inspection. FACTORY MUTUAL SYSTEM William R. Rogertt Commissions NB7980 PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements Date Nov. 21 1986 | - |
| Date Nov. 21 19.86 | |
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| (b) Applicable | Edition of Section XI U | tilized for Repairs | or Replacement | 19 <u>20 Wi</u> E/ | _ | | | |
| Name of Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
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Identification | Year
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| FORM NIS-2 (Back) | |
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| . Remarks <u>N-Z DATA Kepolit ATTACAEO</u> Applicable Manufacturer's Data Reports to be attached | |
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| CERTIFICATE OF COMPLIANCE | |
| We certify that the statements made in the report are correct and this Reflicences conforms to the rules of t | the |
| ASME Code, Section XI. repair or replacement | |
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| Type Code Symbol Stamp_NON E | |
| Certificate of Authorization No. 114 Expiration Date NA | |
| | |
| Signed Owner or Owner's Designee, Title | |
| Supt. of Plant | |
| - CERTIFICATE OF INSERVICE INSPECTION | |
| 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S or Province of PENNAand employed by ARKWRIGHT BOSTON MPSRS MUTULL INS. CO | tate |
| WALTHAM MA have inspected the components descri | ibed |
| in this Owner's Report during the period SEP. 15, 1986 to OCT 3, 1986, 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 | |
| examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employed shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with | • |
| inspection. FACTORY MUTUAL SYSTEM | |
| William R. Pages TT Commission NB7980: PA2204 NIBS IS | , |
| Inspectory Signature National Board, State, Province, and Endorsements | 3 |
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| Date Nov. 18 19.86 | |

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| (a) Applicable Con | struction Code_ASM | E III 19 | 71 Edition. | Thru W '72 | Addenda, | N/A | Code Cas | |
| (b) Applicable Edi | tion of Section XI Uti | lized for Repairs | or Replacement | 19.80 W'81 | | | •• | - |
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| , Identification of Co | omponents Repaired o | r Replaced and P | Replacement Co | mponents | | | | |
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Page 272 of 288



FORM NIS-2 (Back) 9. Remarks Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the repair or replacement ASME Code, Section XI. Type Code Symbol Stamp. N/A Expiration Date: Certificate of Authorization No. Date. Plant CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Boston Mfgrs., Mutual Ins.Co of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period SER 12, 1986 10 Oct. 5, 1996 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 Factory Mutual System PA 2204 NB7980 NIBS IS .Commissions\_ National Board, State, Province, and Endorsements

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| | Address OWNER | | | Repair Organ Type Code Symbol: Authorization No | Stamp | NA | |
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| Name of
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| Name of Component Name of Manufacturer Serial No. National Board Other Year Replaced, French Or Replacement Or No. SP-DBB-204 LSHH National Board Other Year Replacement Or Replacement Or No. No. Identification Built Peer Or No. No. LSHH No. LSHH No. LSHH No. LSHH No. LSHH No. LSHH No. LSHH No. LSHH | Owner PENNSY | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | • | | Date | 86 | <u>(/</u> | |
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(12/82)

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

Page 275.0f 288



FORM NIS-2 (Back)

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| 9. Remarks N/A |
| Applicable Manufacturer's Data Reports to be attached |
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| CERTIFICATE OF COMPLIANCE |
| We certify that the statements made in the report are correct and this <u>FERVEMENT</u> conforms to the rules of the |
| ASME Code, Section XI. |
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| Type Code Symbol Stamp Alone |
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| Certificate of Authorization No. N/A Expiration Date N/A |
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| Owner or Owner's Designes, Title Supt. of Plant |
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| CERTIFICATE OF INSERVICE INSPECTION |
| 31, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State |
| or Province of PENNA and employed by ARKWEIGHT BOSTON MEGRE MUTUAL INS. Ca of |
| WALTHAM, MA. have inspected the components described |
| in this Owner's Report during the period JUNE 30, 1986 to Oct. 24, 1986, and state that |
| $\epsilon_{f g}$ 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 sunspection. FACTORY MUTUAL SYSTEM |
| |
| William R. Rogers III Commissions NB7980 PA2204 NIBS IS |
| Inspector's Signature National Board, State, Province, and Endorsements |
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| Date Dec. 15 19.86 |
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Page 27.7 of 288

FORM NIS-2 (Back)

9. Remarks N-Z DATA Reform 12TTOCKED

Applicable Menufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify t statements made in the report are correct and this Reformation conforms to the rules of the repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. NA Expiration Date November 7, 19 86

Signed Owner's Deptinee, Title Supt. of Right

CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by ARKWRIGHT BOSTON MIGES MUTHE INS. CO of or Province of TENNA MA WALTHAM have inspected the components described in this Owner's Report during the period OaT. 2 1986 QT:6, 1936 .to\_ 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 , FACTORY MUTUAL SYSTEM inspection. NB7980 PA2204 NIBS IS Commissions. National Board, State, Province, and Endorsements Date Nov. 18 19.86

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| at | FORM NIS-2 (Back) |
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| Remarks <i>[J]/r</i> 7_ | - Applicable Manufacturer's Data Reports to be attached |
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| - | CERTIFICATE OF COMPLIANCE |
| We certi | fy that the statements made in the report are correct and this <u>RPFIC</u> conforms to the rules of the |
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| | , CERTIFICATE OF INSERVICE INSPECTION , holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta |
| r, the undersigned, | TNNAand employed by AEKWRIGHT BOSTON MEGR. MUTUAL THIS, Ca |
| WALTHAM | |
| in this Owner's Ro | eport during the period SEP. 20. 1936 to SEP. 22. 1986, and state the |
| to the best of my | knowledge and belief, the Owner has performed examinations and taken corrective measures described in th |
| 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 employe |
| shall be liable in a | ny manner for any personal injury or property damage or a loss of any kind arising from or connected with th |
| inspection. | FACTORY MUTUAL SYSTEM |
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| www. | Inspector's Signature Commissions MD 7500 - PARRUE RIDGE LI |
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AAWA STEAM
Name | AND light | Co.
7101 | Date | 3-86 | | y. |
| P.O. Box 467
. Work Performed by | | Name | <u> </u> | Repair Orga Type Code Symbol Authorization No. | Stamp | NA | etc. |
| | Address | | | Expiration Date | | | |
| . Identification of Sys | | Team Line | S - STEM | m Tunneh | | 2-83 F | 2 – 11 |
| (a) Applicable Cons (b) Applicable Editi Identification of Con | on of Section XI Uti | lized for Repairs | or Replacements | 19 80 mgl | ddeņda,_ | <i>N\label{1}</i> | |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| The HANGER | BechteL | -1-H1
DBB -574 | N/A | N/ <i>p</i> | 1983 | Referred | Y |
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| 1. Owner Prunsy | | | | Date 12/31/ | | | |
| Two Ns. | 9th St. A | llentown, 1 | A 19101 | Sheet | ofl | | |
| . Plant Susqueha | | | | Unit 2 | | | |
| | | | | W.A. | \ | 2// | <u> </u> |
| Y. O. BOX 9 | 67 Berwiz | .K , 1/1 18 | 603 | W. η. | V - 4 7 | O. No., Job No., | etc. |
| Work Performed by | owher | No. | | Type Code Symbol | Stamp 1 | | _ |
| | | IVAMO | | Authorization No. Expiration Date/ | N/A
V/A | | |
| | Address | Lanu Tel | <u></u> | | | 2 . () | |
| | | | | lue - Syst | | | |
| | | | | Winter 172 | | NA | _Code C |
| (b) Applicable Edit | ion of Section XI Ut | ilized for Repairs | or Replacement | ıs 19 <u>fc/wi</u> nten | 80 | | |
| Identification of Co | mponents Repaired | or Replaced and F | Replacement Co | mponents | | | • |
| | | | | | | | ASME |
| • | | | National | | | Repaired, | Code
Stampe |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | Board
No. | Other Identification | Year
Built | Replaced, or Replacement | (Yes
or No) |
| - | | | | _ | | | |
| in Supply Line "B" MSIV Actuator | Bechtel | NIA | N/A | SP- 466-236-
45017 | NIA | Repaired | N/A |
| - Supply Line
"A" MSIV Actuator | Bechtel | NIA | NIA | 15018 € 5019 | UIA | Repaired | v/A |
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| Description of Work | Removel o | | | | | | |
| | | eumatic No | minal Operating Test Temp. | · - | | | |

recorded at the top of this form.

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Page 282 9 288

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| in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described on the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, correctives and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | ·· FORM NIS-2 (Back) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------|
| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this PRAIN conforms to the report of replacement Type Code Symbol Stamp Certificate of Authorization No. Signed Date Date CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors are or Province of PENNA and employed by ARKWRIGHT BOSTOM MEGRS. MUTUAL THIS. C WALTHAM MASS In this Owner's Report during the period DES. II, 1984 to DEC. 13, 1984, and 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, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his hall be liable in any manner for any personal injury or property damage or a loss of any kind erising from or connect |), Remark | . <i>N/A</i> - |
| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this PROAIC conforms to the repair of replacement Type Code Symbol Stamp | | Applicable Manufacturer's Data Reports to be attached |
| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this PROAIC conforms to the repair of replacement Type Code Symbol Stamp | | |
| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this PEDAIC conforms to the reposit of replacement Type Code Symbol Stamp Certificate of Authorization No. Signed Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRICHT BOSTON MFGRS. MUTUAL THIS. C. WALTHAM MASS have inspected the component in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and 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, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | |
| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this PODIC conforms to the report of replacement Type Code Symbol Stamp Certificate of Authorization No. Signed Owner of Dwner's Designee, Title Superintendent of Plant CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRICHT BOSTON MEGRS. MUTUAL INS. C WALTHAM, MASS in this Owner's Report during the period DEC. II, 1984 to DEC. 13, 1984 no 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, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | |
| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this PRAIN conforms to the reposit of replacement Type Code Symbol Stamp NA Certificate of Authorization No. NA Signed Nomer's Dasignee Title Plant CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRICHT BOSTON MEGRS. MUTUAL THIS. CONTROL OF MASS In this Owner's Report during the period DEC. II, 1984 to DEC. 13, 1984, and 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, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property demage or a loss of any kind arising from or connect | | |
| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this PRAIN conforms to the reposit of replacement Type Code Symbol Stamp // Expiration Date // Signed // Owner or Dwner's Designee. Title Plant CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRICHT BOSTON MEGRS. MUTUAL THIS. C. WALTHAM MASS have inspected the component in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and 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, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | _ | |
| Certificate of Authorization No. N/A Signed | | CERTIFICATE OF COMPLIANCE |
| Certificate of Authorization No. N/A Signed | ACME (| We certify that the statements made in the report are correct and this <u>PCPAIC</u> conforms to the rules |
| Certificate of Authorization No. N/A Signed | ASME | obe, section Att. |
| Certificate of Authorization No. Signed Signed Certificate of Designee Title Certificate of Inservice Inspection I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRICHT BOSTON MEGRS. MUTUAL This. Compared in this Owner's Report during the period DEC. 11, 1984 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, corexaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect. | | A. 10 |
| Signed Owner's Dasignee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRICHT BOSTON MFGRS, MUTUAL INS. C. WALTHAM MASS. have inspected the component in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and 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, core examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | Type Co | de Symbol StampIV //+ |
| Signed Owner or Dwner's Dasignee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRIGHT BOSTON MFGRS, MUTUAL INS. C. WALTHAM MASS have inspected the component in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | Certifica | The Of Authorization No. N/A Expiration Date N/A |
| CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRIGHT BOSTON MFGRS. MUTUAL INS. C. WALTHAM MASS have inspected the component in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and 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, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | \mathcal{L} |
| CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRIGHT BOSTON MEGES. MUTUAL INS. C. WALTHAM, MASS. have inspected the component in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | Signed_ | Owner or Owner's Designee, Title |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at or Province of PENNA and employed by ARKWRIGHT BOSTON MFGRS. MUTUAL TNS. C. WALTHAM, MASS. have inspected the component in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect. | | Superintendent of Plant |
| or Province of PENNA and employed by ARKWRIGHT BOSTON MEGES, MUTUAL INS. C. WALTHAM MASS. have inspected the component in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described 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, corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | |
| in this Owner's Report during the period DEC. 11, 1984 to DEC. 13, 1984, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | idersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and t |
| to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures describent 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, corexaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | HAM MASS have inspected the components d |
| 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, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, cor examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor h shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connect | | |
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| inspection. FACTORY MUTUAL SYSTEM | | · · · · · · · · · · · · · · · · · · · |
| • | inspecti | FACTORY MUTUAL SYSTEM |
| William R. Portes III Commissione NB 7980 PA 2204 NI | will | commissions NB 7980 PA 2204 NIB |
| William R. Rogero III Commissions NB 7980 PA 2204 NT Inspertor's Signature National Board, State, Province, and Endou | <i></i> | Inspector's Signature Commissions NB 7980 PA 2204 NTB |

| . Owner Penns | Juana Pow | er & Ligh | t Co | Date 1/2/8 | Ġ | 0 | |
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| | St. Allentau | | | Sheet | ofI | | |
| Plant Susqueh. | Address
444 n Steam | Electric | Station | Unit 2 | | * | |
| P.O. Box 4 | Name
167, Bernick | , PA 19 | 8603 | W. A. V | t 436 | 5 | |
| | | _ | | | | | etc. |
| Work Performed by | 200464 | Name | | Type Code Symbol Authorization No. | | 7 71 | |
| | - Address | | | Expiration Date N | | | |
| Identification of Sy | | ram Isola | tun-Value- | - System 83 | } B - | Cl435 3. | |
| Identification of Co | | | | s 19 <u>名3/W</u> intri
nponents | | | |
| | i | 1 | , | | | | |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | Code
Stamp
(Yes |
| Component | Manufacturer | 1 | Board | Identification - 5P-HCC-236- | | Replaced, | Code
Stamp
(Ye: |
| Component - Supply line to MSIV Actuation | Manufacturer
Bechtel | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Code
Stamp
(Yes
or No |
| Component - Supply line to MSIV Actuation | Manufacturer
Bechtel | Serial No. | Board
No. | Identification | Built
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| _ | Manufacturer
Bechtel | Serial No. | Board
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| Component Supply line to ASIV Actuation | Manufacturer
Bechtel | Serial No. | Board
No. | Identification | Built
N/A | Replaced, or Replacement | Code
Stamp
(Yes
or No |
| Component Supply line to MSIV Actuator Supply line to MSIV Actuator | Manufacturer Bechtel Bechtel | Serial No. | Board
No. | Identification - SP-HCC-136- 4-1 SP-HCC-136- HSOIS, SOIL, SO11 | N/A N/A | Replaced, or Replacement Replained Replained | Code
Stamp
(Yes
or No |
| Component Supply line to MSIV Actuator Supply line to MSIV Actuator Description of Work | Manufacturer Bechtel Bechtel Removed H | Serial No. N/A N/A | Board
No. | Identification - SP-HC-136- 4-1 SP-HC-136- HS015, S016, S021 | N/A N/A | Replaced, or Replacement | NIA |

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Page 284 of 288



| | FORM NIS-2 (Back) |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ٥ | Remarks N/A |
| ٥. | Applicable Manufacturer's Data Reports to be attached |
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| | CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this PPAIR conforms to the rules of the |
| | ASME Code, Section XI. |
| | • |
| | At / A |
| | Type Code Symbol Stamp_N/A |
| | Certificate of Apathorization No. NA Expiration Date NA |
| | |
| | Signed / Mms W Caum Date /- 2 - , 19 PL |
| _ | Superintendent of Plant |
| | CERTIFICATE OF INSERVICE INSPECTION |
| ĺ | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta |
| | or Province of PENNA and employed by ARKWRIGHT BOSTON MEGRS MUTUAL INS. Co. |
| | WALTHAM MASS. have inspected the components describe |
| | in this Owner's Report during the period DEC. 11,1984 to DEC. 14.1984, and state the to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the owner has performed examinations. |
| | 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 to |
| | examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed |
| | shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with t |
| | inspection. FACTORY MUTUAL SYSTEM |
| | William R. Rogers III Commissions NB 7980 PA 2204 NIBS IS |
| | William R. Rogero III Commissions NB 7980 PA 2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements |
| | |
| | Date JAN. 3 19.86 |

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|-----------------------------------------------|-------------------------|----------------------------|--------------------------|------------------------------------|---------------|------------------------------------------|------------------------------|
| 1. Owner Tenns | Ilvania Your | r & Light | <u></u> | Date 128 | <u>Le</u> | 0 | |
| 2 N. 9 Th 5 | St. Allenton | WA, PA, 181 | 01 | Sheet | 01 | *
> | |
| 2. Plant Surgueh | ANNA STEAM | Electric S | tation_ | Unit 2 . | | - | |
| | 7 Bernick | | | Work Auth | ORIZAT | ion U-3 | 457 |
| 3. Work Performed by | Owner | Name | | Type Code Symbol Authorization No. | Stamp | | etc. |
| 4. Identification of Sy | Address | an Teal at | المالية | Expiration Date | • | C1 466 3 | |
| 5. (a) Applicable Cons
(b) Applicable Edit | ion of Section XI Ut | ilized for Repairs | or Replacement | 19 <u>80</u> /wint | | | _Code(|
| | | | 1 | , | | | ASM |
| Name of Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | Cod
Stamp
(Ye
or No |
| MSRV Acum,
DRN. VLV.,1" | BORGWN | 16081 | N/A | 2-41-006F | 197,6 | Repaired | ΫES |
| | - 4 - 4 | | , Y .e | | - | | |
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| | | | ICB | 1/2/86 | | - | • |
| | SeAL Wel | d body | to Bo | AY BONNET | ۰ | | |
| , Description of Work | | | | • | | | |

recorded at the top of this form.

Page 286 of 288.



FORM NIS-2 (Back) Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the repair or replacement ASME Code, Section XI. Ą, Type Code Symbol Stamp j ŗ, 7 3 **CERTIFICATE OF INSERVICE INSPECTION** 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State 模点 or Province of PENNA \_and employed by ARKWEIGHT BOSTON MEGES. MUTUAL INS. Co. WALTHAM MASS have inspected the components described in this Owner's Report during the period MAR. 2, 1984 10 MAR. 16, 1984 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 14. $\boldsymbol{\omega}$ 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 SYSTEM ž Commissions NR 7980 PA 2204 NIBSIS National Board, State, Province, and Endorsements 180 Date JAN, 3 19<u>86</u>

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI -9-87 STEAM SUS QUEHANNA Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp. 3. Work Performed by\_ OWNER Authorization No. \_ Expiration Date \_\_\_\_ Address LEANAGE CONTROL MAIN STEAM 4, aldentification of System 5. ala) Applicable Construction Code ASME TIL 19<u>7/</u> Edition, <u>W72</u> Addends, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Wed. 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired, Stamped National Replaced, (Yes Manufacturer Yeer Name of Name of Board Other ar Nal or Replacement Manufacturer Serial No. Suilt No. Identification Component BECHTEL. ALGE HANGER 1983 # 3 REMOVED ITEM RE-INSTRUCT AND 7. Description of Work 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure B NONE Other Pressure psi Test Temp. 42 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. (12/82)This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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Page 288 d. 288

FORM NIS-2 (Back)

| 9. | Remarks |
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| | Applicable Manufacturer's Data Reports to be attached |
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| | CERTIFICATE OF COMPLIANCE |
| | We certify that the statements made in the report are correct and this ILEPAIL conforms to the rules of the ASME Code, Section XI. |
| : | Type Code Symbol Stamp |
| | Certificate of Authorization No. N/A Expiration Date N/A |
| | Signed_ Colou Bull Date 1.9 10.87 |
| | Owner or Owner's Designee, Citle , 19 |
| _ | CERTIFICATE OF INSERVICE INSPECTION |
| | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vestal Inspectors and the State |
| | or Province of PENNA and employed by ARKWRIGHT BOSTON MEGRS MUTURE TINS Ca of |
| | WALTHAM, MA. have inspected the components described in this Owner's Report during the period Oct. 21, 1986 to Oct. 22, 1986, 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 SYSTEM |
| | Uselliam P. Rogue III Commissions NB7920 FA2204 NIBS IS Inspectfor's Signature Commissions National Board, State, Province, and Endorsements |
| | Inspector's Signature National Board, State, Province, and Endorsements |
| | Date JAN. 13 19.87 |
| | |

APPENDIX D.2

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| | As Requ | ired by the Pro | visions of the A | ASME Code Section | n XI <i>Y</i> | 196 / of | 100 |
|-------------------------|-----------------------------------------------------------------|----------------------------|----------------------------|----------------------------------|---------------|------------------------------------------|-----------------------------|
| 1. Owner Pennsy | lvania Power | ε Light Co |). | Date 10/1 | 4/86 | 0 | |
| Two North I | Ninth St., Al | lentown, P | PA | Sheet 1 | f | | |
| 2. Plant Susquel | hanna Steam E | lectric St | ation | UnitII | | • | |
| P.O. Box 46 | 67, Berwick, | PA | | WA #V63 | 3371 | | |
| • | | | | Repair Organ | nization P | .o. No., Job No., | etc. |
| 3. Work Performed by | <u>Pennsylvania</u> | Power & L | .ight | Type Code Symbol | | None
N/A | |
| Two North N | Ninth St., Al | lentown, P | PA | Authorization No Expiration Date | _ | N/A | |
| 4. Identification of Sy | | | | ۸ | | | |
| 4. Identification of Sy | stein | 111 // | | | | | |
| 5. (a) Applicable Con | | tion -1V 19 | _71_ Edition, | | | | _Code Cas |
| (b) Applicable Edit | ion of Section XI Uti | lized for Repairs | or Replacements | 19 <u>.80</u> Throu | gh Wir | nter 1981 A | ıddenda |
| 6. Identification of Co | mponents Repaired o | or Replaced and F | Replacement Con | nponents | | | • |
| | | - | , | | | 2000 | ASME
Code |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | Stamped
(Yes '
or No) |
| Snubber
Rear Bracket | ITT GRINNEL | N/A | N/A · | HRC-212 | 1983 | Replaced | YES |
| | | , | .,,,,, | Hanger #15
 - | | <u> </u> | |
| | | | | - | | | |
| - | | | | | | | |
| | | | | | | | |
| , | | | , | | | | |
| 7. Description of Work | Replaced re | ar bracket | due to el | ongation of | rear b | racket eye | lets |
| | Hydrostatic Pn Other Pressure_ | | minal Operating Test Temp, | Pressure P | ONE X | 3] | |
| | tal sheets in form of
ough 6 on this report
of this form. | | | | | | |

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

(12/82)

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

Page 2 of 100



| | FORM (415-2 (DBCK) |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9. | Remarks None |
| •• | Applicable Manufacturer's Data Reports to be attached |
| | |
| | • |
| | * * * * * * * * * * * * * * * * * * * |
| | CERTIFICATE OF COMPLIANCE |
| | We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Service XI |
| | ASME Code, Section XI. repair or replacement |
| | Turanta N/A |
| • | Type Code Symbol Stamp |
| | Certificate of Authorization No. N/A Expiration Date N/A |
| | (|
| ; | Signed |
| | Owner or Owner's Designee, Title Superintendent of Plant |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the St |
| , | or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. |
| | Waltham, MA have inspected the components describ |
| i | n this Owner's Report during the period AUG. 27, 1986 to SEP. 27, 1986, and state the |
| | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in t |
| | 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 to |
| • | examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ |
| | that be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the nepection. FACTORY MUTUAL SYSTEM |
| (| William R. Rogero III Commissions NB7980 PA2204 NIES IS Inspector/Signature Commissions National Board, State, Province, and Endorsements Date Nov. 21 1986 |
| • | Inspector Signature National Board, State, Province, and Endorsements |
| | |
| (| Date Nov. 21 19.86 |
| | |

| Berwick, PA 18603 Address Repair Organization P.O. No., Job Name Name Name Authorization No. Two North Ninth St., Allentown, PA 18101 Address 4. Identification of System RHR Service Water SUS 216A 5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W '81 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 RHR Service Water SUS 216A 5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W '81 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components |
| 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 RHR Service Water SUS 216A 5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W '81 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components |
| Authorization No. N/A Two North Ninth St., Allentown, PA 18101 Expiration Date N/A Address 4. Identification of System RHR Service Water SUS 216A 5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W '81 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components |
| 4. Identification of System RHR Service Water SUS 216A 5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W '81 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components |
| 4. Identification of System RHR Service Water SUS 216A 5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W '81 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components |
| 5. (a) Applicable Construction Code ASME III 19 71 Edition, W '72 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W '81 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 thru W 81 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components |
| |
| Name of Name of Manufacturer Board Other Year Replace Component Manufacturer Serial No. No. Identification Built or Replace |
| SP-HRC- |
| Pipe Support Bechtel N/A N/A 235-H-9002 1983 Repair |
| " Small Pipe SP-HRC- SP-HRC- 1983 Repair |
| Assembly Becker N/A N/A 255-1 1905 Repair |
| |
| |
| |
| |

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.

(12/82)

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

\* CWO C-66464/PMR 86-8006; CWO C-66486/PMR 86-8007

Page 4 of 100

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| | FORM NIS-2 (Back) |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | RemarksNone |
| | Applicable Manufacturer's Data Reports to be attached |
| | |
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| | CERTIFICATE OF COMPLIANCE |
| | We certify that the statements made in the report are correct and this replacement conforms to the rules of the conforms to the rules of the certific that the statements made in the report are correct and this replacement conforms to the rules of the certific that the statements made in the report are correct and this replacement conforms to the rules of the certific that the statements made in the report are correct and this replacement conforms to the rules of the certific that the statements made in the report are correct and this replacement conforms to the rules of the certific that the statements made in the report are correct and this replacement conforms to the rules of the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certific that the certi |
| | ASME Code, Section XI. |
| | 5 |
| | Type Code Symbol Stamp N/A |
| | |
| | Certificate of Authorization No. N/A Expiration Date N/A |
| | Signed Stakeslee Date November 12 19 86 |
| | Owner or pwner's Designee, Title Superintendent of Plant |
| _ | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Spanners of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the P |
| | or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. C. Waltham, MA have inspected the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the components described to the |
| • | in this Owner's Report during the period Aug. 1, 1986 to Sep. 26, 1986, and state |
| | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in |
| | 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 |
| | examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his empl |
| | shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with inspection. FACTORY MUTUAL SYSTEM |
| | |
| | Commissions NB7980 PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsement Date Nov. 19 1986 |
| | inspectors signature National Board, State, Province, and Endorsement |
| | Date Nov. 19 1986 |

ن ان FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI Fage 50/100

| Two N. | 9th St., All | entown, PA | 18101 | Sheet 1 | 1 17 | * | |
|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|----------------------|
| 2 Plant Susqueh | Address
anna Steam E | lectric St | ation | Unit 2 | | | |
| 2. Plant Susqueh | | | | | | 7 | |
| · Berwick | , PA 18603 | · | | | Below | .O. No., Job No., | etc. |
| 3. Work Performed by | <u>Pennsylvania</u> | Power & I | ight Co. | Type Code Symbol | | N/A | |
| Two N Orb | Ct | Name | | Authorization No | | N/A | |
| IWO N. JUII | St., Allento | wn, PA Ic | PIOT | Expiration Date | | N/A | |
| 4. Identification of Sys | tem <u>Reactor</u> | Bldg HVAC. | HPCI Room | m Cooling (S | ystem : | 234E) Cl. | 3/ |
| 6. Identification of Cor | | | | 19 <u>80. Winter</u> | 81 | | |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | AS
C
Sta
(' |
| 2" Globe Vlv | Henry Vogt | 5-215095 | None | 2-11-139 | 1984 | Replace-
ment | Y |
| 24:Globe Vlv | Henry Vogto | 10-215095 | None | . 2-11-138 | 1984 | Replace- | Y |
| | Yarway | 5601 | None | 2-11-142 | 1976 | Replace- | Y |
| 1" Globe Vlv | Yarway | 6551 | None | 2-11-143 | 1976 | Replace- | Y |
| | | 0002 | , | - | | Replace- | |
| 1" Globe Vlv | | 6/.27 | Mono | | | ment | Y |
| 1" Globe Vlv | Yarway | 6437 | None | 2-11-146 | 1976 | I I con A | |
| 1" Globe Vlv | Yarway
Change wate | r supply t | o/from 2V- | 209A to be c | ff ESV | Loop A. | |

(12/82)

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

\* Design Package: PMR 84-3101

Work/Installation Packages: CWO's C-55036, C-55037, C-55038, C-55041, C055124, C-55125 and C-55126.

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Page 6 of 100.

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| | FORM NIS-2 (Back) |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | |
| Remarks | See attached Manufacturers' Date Reports for two each 2" globe val |
| | Applicable Manufacturer's Data Reports to be attached and four each 1" globe valves. |
| | and rout cach I globe varves. |
| | |
| | |
| | |
| | • |
| | • |
| | CERTIFICATE OF COMPLIANCE repair/ |
| w | e certify that the statements made in the report are correct and this replacement conforms to the rules of the |
| | e, Section XI. repair or replacement |
| | |
| | Y |
| Type Code S | Symbol StampNone |
| Caraldiana a | of Authorization No. N/A Expiration Date N/A |
| Certificate | @100 |
| Signed | wher or Owner's Designee, Title Date 4-28-85 , 19 |
| 01 | wner or Owner's Designee, Title |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
of PENNA and employed by ARKWRIGHT BOSTON MEGRE MUTUAL INS. CO. |
| | AM MASS have inspected the components describe |
| in this Own | ner's Report during the period JAN. 11, 1985 to FEB. 16, 1985, and state th |
| to the best | of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the |
| Owner's Rep | port in accordance with the requirements of the ASME Code, Section XI. |
| | ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t |
| | ns and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employ |
| inspection. | ole in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the |
| | FACTORY MUTUAL SYSTEM |
| Willia | m R. Rogers TIT Commissions NB 7980 PA 2204 NIBS |
| | Introduction Signature National Roard State Province and Endorsements |
| | Transfer of a digital distriction of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contr |
| Date 3 - 2 | Commissions NB 7980 PA 2204 NIBS Insperior's Signature National Board, State, Province, and Endorsements |

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|----------------------------------------------------------------|---------------------------------------------|
| 1. Owner Pennsylvania Power & Light Co. Name | Date3/25/85 |
| Two N. 9th St., Allentown, PA 18101 | Sheet 2 of 17 . |
| 2. Plant Susquehanna Steam Electric Station Name | Unit2 |
| Berwick, PA 18603 | See Page 1 |
| Ad dress | Repair Organization P.O. No., Job No., etc. |
| 3. Work Performed by Pennsylvania Power & Light Co. | Type Code Symbol Stamp N/A |
| Name | Authorization No. N/A |
| Two N. 9th St., Allentown, PA 18101 | Expiration Data N/A |
| Address Address | • |
| Michael Control of System Reactor Bldg HVAC, HPCT Roc | om_Cooling_(System_234E) |
| Address **Identification of System Reactor Bldg HVAC HPCT Roc | |
| (Mile) Apollophia Communican Code ACME TTT 10.73 Edicine | Udaton 172 Adding N. 216 |

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19\_80, Winter \*81

6. Identification of Components Repaired or Replaced and Replacement Components (continued)

| , 1 | | 1 14 2 | P1 16 | 1 1979 1 | | | · |
|---------------------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| Name of Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| يًا" Globe Vlv | Yarway | . 5551 | None 🔩 | 2-11-147 | 1976 | Replace-
ment | Yes |
| Sm. Pipe Sub
Assembly | PP&L | N/A | N/A | SP-HRC-
219-3 | 1985 | Replace-
ment | No |
| Sm. Pipe Sub
Assembly | PP&L | N/A | N/A | SP-HRC-
220-3 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | n/a | SP-HRC-
219-H6 | 1985 | Replace-
ment | No |
| Sm. Pipe
بالمالية
المالية | PP&L | N/A | N/A | SP-HRC-
219-H7 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H8 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H9 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H10 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H11 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H12 | 1985 | Replace-
ment | No |

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| 1. (| Owner_ | Pennsylvania Power & Light Co. | Date 3/25/85 |
|------|---------|------------------------------------------|---------------------------------------------|
| | | Name | _ |
| | | Two N. 9th St., Allentown, PA 18101 | Sheet 3 of 17 |
| | | Address | |
| 2. 1 | Plant | Susquehanna Steam Electric Station | Unit2 |
| | | Name | |
| | | Berwick, PA 18603 | See Page 1 |
| | | Address | Repair Organization P.Q. No., Job No., etc. |
| 3. 1 | Work Pr | Mommed by Pennsylvania Power & Light Co. | Type Code Symbol Stamp N/A |
| | | Name | Authorization No. N/A |
| | Two | N. 9th St., Allentown, PA 18101 | Expiration Data N/A |
| | | Address | |

- 4. Identification of System · Reactor Blde HVAC, HPCI Room Cooling (System 234E)
- 5. (a) Applicable Construction Code ASME\_III\_\_\_1971\_Edition, Winter, \*72 Addends, N-316\_\_\_\_Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Winter \*81
- 6. Identification of Components Repaired or Replaced and Replacement Components (continued)

| | | | | | | | |
|----------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC- ` | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H14 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H15 | 1985 | Replace- | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H16 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H17 | 1985 | Replace-
ment | No |
| Sm. Pipe ·
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H18 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | n/a
· | SP-HRC-
219-H19 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H20 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H7 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H8 | 1985 | Replace-
ment | No |

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| Page | 9 | J | 100 |
|------|---|---|-----|
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| 1. | Owner | Pennsylvania Power & Light Co. | | 3/25/85 | |
|----|---------|--------------------------------------------|--------|---------------------------------------------|---|
| | سينسي | Two N. 9th St., Allentown, PA 18101 | Sheet_ | 4 of 17 | _ |
| 2. | Plant _ | Susquehanna Steam Electric Station | Unit _ | 2 | |
| | | Berwick, PA 18603 | | See Page 1 | |
| | | Address . | 11 | Repair Organization P.O. No., Joo No., etc. | |
| 3. | Work P | erformed by Pennsylvania Power & Light Co. | Type C | Code Symbol Stamp N/A | |
| | | Name | | rization No. N/A | |
| | Two 1 | N. 9th St., Allentown, PA 18101 | | tion DateN/A | _ |

4. Identification of System Reactor Bldg HVAC, HPCI Room Cooling(System 234E)

5. (a) Applicable Construction Code ASME III 19 71 Edition, Winter, 172 addends, N-316 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 181

6. Identification of Components Repaired or Replaced and Replacement Components (continued)

| | | ~ | | | | | |
|----------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H9 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H10 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H11 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H12 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H13 | 1985 | Replace-
ment | , No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H14 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | n/a | N/A | SP-HRC-
220-H15 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&T | n/a | N/A | SP-HRC-
220-H16 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H17 | 1985 | Replace-
ment | уо , |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H18 | 1985 | Replace-
ment | No |

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|----|---------------------------------------------------------------------------|-----------------------------------------------|
| 1. | Owner Pennsylvania Power & Light Co. | Date 3/25/85 |
| | Name | , |
| | Two N. 9th St., Allentown, PA 18101 | Sheet .5 of 17 |
| | , , | |
| 2. | Plant Susquehanna Steam Electric Station Name | Unit2 |
| | 4 | |
| | Berwick, PA 18603 | See Page 1 |
| | Address | _ Repair Organization P.O. No., Job No., etc. |
| 3. | Work Performed by Pennsylvania Power & Light Co. | Type Code Symbol Stemp N/A |
| | Name | Authorization No. N/A |
| | Two N. 9th St., Allentown, PA 18101 | Expiration Data N/A |
| | Address | |
| 4. | Identification of System Reactor Bldg HVAC, HPCT Room | Cooling (System 234E) |
| | • | |
| 5. | (a) Applicable Construction Code ASME_TTT19_71_Edition, | Winter 172Addends N-316 Code Case |
| | (b) Applicable Edition of Section XI Utilized for Repairs or Replacement | |
| | for Applicance control of partion of Offitted for Labella of Labracatians | 12DIT WILLEL OT |

6. Identification of Components Repaired or Replaced and Replacement Components (continued)

| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No, | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) | - | |
|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|-------------|------|
| Sm. Pipe
Hanger | PP&L | n/A | N/A | SP-HRC-
220-H19 | 1985 | Replace-
ment | No | , | ı |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H20 | 1985 | Replace-
ment | No | | |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H21 | 1985 | Replace-
ment | No | | |
| Sm. Pipe Sub
Assembly | Bechte1 | N/A | N/A | SP-HRC-
219-1 | 1983 | Repaired
Replaced | Yes | See No |) t(|
| Sm. Pipe Sub
Assembly | Bechtel | N/A | N/A | SP-HRC-
219-2 | 1983 | Repaired
Replaced | Yes | See No
2 | oti |
| Sm. Pipe Sub
Assembly | Bechtel | N/A | N/A | SP-HRC-
219-5 | 1983 | Repaired | Yes | See No | ot. |
| Sm. Pipe Sub
Assembly | Bechtel | N/A | , N/A | SP-HRC-
220-1 | 1983 | Repaired
Replaced | Yes | See No | ot. |
| Sm. Pipe Sub
Assembly | Bechtel | N/A | N/A | SP-HRC-
220-2 | 1983 | Repaired
Replaced | Yes | See No
5 | t |
| Sm. Pipe Sub
Assembly | Bechtel | N/A | N/A | SP-HRC-
220-5 | 1983 | Repaired | Yes | See No | t |

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| Suppleme | ental Sheet Page 1 8 100 Page |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Owner | Pennsylvania Power & Light Co. Date 3/25/85 |
| | Two N. 9th St., Allentown, PA 18101 Sheet 6 of 17 |
| 2. Plant | Susquehanna Steam Electric Station Unit 2 |
| | Berwick, PA 18603 See Page 1 Address Repair Organization P.O. No., Job No., etc. |
| 3. Work Per | formed by Pennsylvania Power & Light Co. Type Code Symbol Stamp N/A Name Authorization No. N/A |
| Two N. | 9th St., Allentown, PA 18101 Expiration Date N/A |
| | Rion of System Reactor Bldg HVAC, HPCI Room Cooling (System 234E) |
| (b) Appl | icable Construction Code ASME TTT 19 71 Edition, Winter 172 Addends, N-316 Code Casticable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 181 ation of Components Repaired or Replaced and Replacement Components (continued) |
| NOTE 1: | a) Upper portion originally N-5 code stamped as System 234F is now System 234E. ("Repaired"). |
| | b) Middle (deleted) portion is scrapped and "Replaced". |
| | c) Lower portion is now shown on new iso SP-HRC-219-6 and remains on System 234F. Modification is a "Repair" on iso SP-HRC-219-6. |
| NOTE 2: | a) Upper portion originally N-5 code stamped as System 234E is now
System 234F ("Repaired") |
| | b) Middle (deleted) portion is scrapped and "Replaced". |
| | c) Lower portion is now shown on new iso SP-HRC-219-5 and remains on System 234E. Modification is a "Repair" on iso SP-HRC-219-5. |
| NOTE 3: | New iso, originally installed under iso SP-HRC-219-2. |
| NOTE 4: | a) Upper portion originally N-5 code stamped as System 234F is now System 234E ("Repaired") |
| | b) Middle (deleted) portion is scrapped and "Replaced" |
| | c) Lower portion is now shown on new iso SP-HRC-220-5 and remains on System 234F. Modification is a "Repair" on iso SP-HRC-220-5. |
| NOTE 5: | a) Upper portion originally N-5 code stamped as System 234E is now System 234F ("Repaired") |
| | b) Middle portion (now deleted) is scrapped and "Replaced". |
| • | c) Lower Portion is now shown on new iso SP-HRC-220-6 and remains on System 234E. Modification is a "Repair" on iso SP-HRC-220-6. |

NOTE 6: New iso originally installed under iso SP-HRC-220-1.

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|------------------------------------------------------|-------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------|
| 1. | Owner Pennsy | lvania Power | & Light C | o . | 3/25/8 | 35 | () | 0 |
| Two N. 9th Street, Allentown, PA 18101 Sheet 1 of 17 | | | | | | | | |
| | | Address | | ***** | |)1 <u></u> 1 | | |
| 2. | Plant Susqueh | anna Steam E | lectric St | ation | Unit 2 | | - | |
| | Berwick | , PA 18603 | | | *See B | elow |) | |
| | | Address | - D 6 | Table Co | | mization P. | O. No., Job No.,
N/A | etc. |
| 3. 1 | Work Performed by | Pennsylvani | a Power α | Light Co. | Type Code Symbol Authorization No. | 219111b | N/A | |
| • | Two N. 9th | Street, Alle | ntown, PA | 18101 | Expiration Date | | N/A | |
| | | Address
tem_Reactor_ | R1da HVAC | RCTC Roc | om Cooling | System | 234F) O | (.3) |
| | (b) Applicable Editi | on of Section XI Uti | | • | , 19 <u>00,</u> wille | · · | | |
| | Name of
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" | | Name of
Manufacturer | Manufacturer | National
Board | Other | | Replaced, | Code
Stamped
(Yes |
| | Component | Name of Manufacturer | Manufacturer
Serial No. | National
Board
No.
None | Other
Identification | Built | Replaced,
or Replacement
Replace- | Code
Stamped
(Yes
or No) |
| 2" | Component Globe Valve | Name of Manufacturer Henry Vogt | Manufacturer
Serial No.
8-215095 | National
Board
No.
None | Other Identification | Built 1984 | Replaced, or Replacement Replacement Replacement | Code
Stamped
(Yes
or No) |
| 2''
L'' | Globe Valve | Name of
Manufacturer
Henry Vogt
Henry Vogt
Yarway | Manufacturer
Serial No.
8-215095
13-215095 | National
Board
No.
None | Other Identification 2-11-140 2-11-141 | 1984
1984 | Replace- ment Replace- ment Replace- ment Replace- | Code Stamped (Yes or No) Yes Yes |
| 2''
L''
L'' | Globe Valve Globe Valve Globe Valve | Name of Manufacturer Henry Vogt Henry Vogt Yarway Yarway Yarway | Manufacturer
Serial No.
8-215095
13-215095
6564
6226
6463 | National Board No. None None None None | Other Identification 2-11-140 2-11-141 2-11-144 | 1984
1984
1976
1976 | Replace- ment Replace- ment Replace- ment Replace- ment Replace- ment Replace- ment | Code
Stamped
(Yes
or No)
Yes
Yes |

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. × 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.

(12/82)This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

\*Design Package: PMR 84-3101

CWO's C-55038, C-55039, C-55040, C-55041, C-55123, Work/Installation Package:

C-55125, C-55126

" Page 13 of 100.

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| رة.
كر | See attached Manufacturer's Data Report for each globe valve. |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| .9. Rema | Applicable Manufacturer's Data Reports to be attached |
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| £ | |
| 닐 | |
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| * | Donates / |
| - | CERTIFICATE OF COMPLIANCE Repair/ |
| | We certify that the statements made in the report are correct and this Replacement conforms to the rules of the Code. Section XI. |
| ASMI | E COUR, SECTION AT. |
| k' | · · · · · · · · · · · · · · · · · · · |
| > Type | Code Symbol StampNone |
| | icate of Authorization No. N/A Expiration Date N/A |
| ← Certif | icate of Authorization No. N/A Expiration Date N/A |
| Signe | 1KC S/Keries Date 3-2995 19 |
| | Owner or Owner's Designee, Title |
| | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Str
prince of PENNA. and employed by ARKWRIGHT BOSTON MEGES MUTUAL INS. CO. |
| 45 | LTHAM, MASS. have inspected the components describ |
| in thi | s Owner's Report during the period JAN-11, 1985 to FEB, 16, 1985, and state the |
| '1 | best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in t |
| 1 | r's Report in accordance with the requirements of the ASME Code, Section XI. |
| | r signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t |
| shall | nations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ
se liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the |
| inspec | FACTORY MUTUAL SYSTEM |
| wi | Commissions NB7980 PA2204 NIBS |
| | Inspector's Signature National Board, State, Province, and Endorsements |
| l . | 3·2 <i>9</i> |
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| Owne | Pennsylvania Power & Light Co. | Oate 3/25/85 |
|----------|----------------------------------------------------|----------------------------------------------|
| | Name
o N. 9th Street, Allentown, PA 18101 | Sheet 2 of 17 |
| . Plant | Susquehanna Steam Electric Station | 2 · |
| | Berwick, PA 18603 | See Page 1 |
| | Address | Repair Organization P.O. No., Job No., etc. |
| Work | Performed by Pennsylvania Power & Light Co. | Tuna Coda Sumbal Saama N/A |
| - | Name | Type Code Symbol Stamp N/A Authorization No. |
| Two | N. 9th Street, Allentown, PA 18101 | Expiration Date N/A . |
| A | Address | |
| Identi | fication of System Reactor Bldg. HVAC, RCIC Ro | om Cooling (System 234F) |
| . (a) Ai | policable Construction Code ASME III 19 71 Edition | Winter '72 N-316 Sada Sau |

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 181

6. Identification of Components Repaired or Replaced and Replacement Components

| | | | 1 | | | 1 | |
|-----------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| Name of Component | Name of
Manufacturer | Manufacturer
Serial No, | National
Board
No, | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H22 | 1985 | Replace- | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H24 | 1985 | Replace-
ment | No |
| ప్రm. Pipe
%Hanger | PP&L | N/A | N/A | SP-HRC-
220-H25 | 1985 | Replace-
ment | No |
| ASm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H26 | 1985 | Replace-
ment | No |
| ₃Sm. Pipe
%Hanger | PP&L | N/A | N/A | SP-HRC-
220-H27 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H28 | 1985 | Replace- | No |
| Sm. Pipe
Hanger | , PP&L | N/A | N/A | SP-HRC-
220-H29 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | n/A | SP-HRC-
220-H30 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H31 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H32 | 1985 | Replace-
ment | No |

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| . Owner | Pennsylvania Power & Light Co. | Date 3/25/85 |
|----------|-----------------------------------------------|---------------------------------------------|
| Two | N. 9th Street, Allentown, PA 18101 | Sheet 3 of 17 |
| Plant | Address
Susquehanna Steam Electric Station | Unit 2 |
| • | Berwick, PA 18603 . | See Page 1 |
| | Address | Repair Organization P.O. No., Job No., etc. |
| Waste 9 | Performed by Pennsylvania Power & Light | CO. Type Code Symbol Stamp N/A |
| 110141 | Name | Authorization No. N/A |
| Two | N. 9th Street, Allentown, PA 18101 | Expiration Oate N/A |
| | Address | CAPITATION DATA |
| Idensif | ication of System Reactor Bldg. HVAC, RCIC | Room Cooling (System 234F) |
| 10411(11 | * | |

5. (a) Applicable Construction Code ASME III 19 71 Edition, Winter '72 Addenda, N-316 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter '81 \_Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No, | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) | |
|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|----------|
| Sm. Pipe
Hanger | PP&L | N/A | n/A | SP-HRC-
220-H33 | 1985 | Replace-
ment | No | |
| Sm. Pipe Hanger | PP&L | N/A | N/A | SP-HRC-
220-H34 | 1985 | Replace- | No | |
| Sm. Pipe * Hanger | PP&L | N/A | N/A | SP-HRC-
220-H35 | 1985 | Replace-
ment'. | No | |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H36 | 1985 | Replace-
ment | No | |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H37 | 1985 | Replace-
ment | No . | |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
220-H38 | 1985 | Replace-
ment | No | |
| Sm. Pipe
Hanger | PP&L | N/A | n/a | SP-HRC-
220-H39 | 1985 | Replace-
ment | Йо | |
| Sm. Pipe
Sub-Assembly | Bechte1 | N/A | N/A | SP-HRC-
219-1 | 19.83 | Repaired Replaced | Yes | See Note |
| Sm. Pipe
Sub-Assembly | Bechte1 | N/A | N/A | SP-HRC-
219-2 | 1983 | Repaired
Replaced | Yes | See Note |
| Sm. Pipe
Sub-Assembly | PP&L | N/A | N/A | SP-HRC-
219-4 | 1985 | Replace-
ment | No | |

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| 1. Owner Pennsylvania Power & Light Co. | Oate 3/25/85 |
|-----------------------------------------|-------------------|
| Name | |
| The N Oth Change Allegan DA 19101 | , i st |

Two N. 9th Street, Allentown, PA 18101 Sheet 4 of 17

2. Plam Susquehanna Steam-Electric Station Unit 2

Berwick, PA 18603

See Page 1

Address

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

3. Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp N/A

Name Authorization No. N/A

Two N. 9th Street, Allentown, PA 18101 Expiration Date N/A

4. Identification of System Reactor Bldg. HVAC, RCIC Room Cooling (System 234F)

5. (a) Applicable Construction Code ASME III 19 71 Edition, Winter 172 Addenda, N-316 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 181

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No, | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) | |
|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|----------|
| Sm. Pipe
Sub-Assembly | Bechte1 | N/A | N/A | SP-HRC-
219-6 | 1983 | Repaired | Yes | See Note |
| Sm. Pipe
Sub-Assembly | Bechtel | N/A | N/A | SP-HRC-
220-1 | 1983 | Repaired
Replaced | Yes | See Note |
| Sm. Pipe
Sub-Assembly | Bechtel | N/A | N/A | SP-HRC-
220-2 | 1983 | Repaired
Replaced | Yes | See Note |
| Sm. Pipe
Sub-Assembly | PP&L | N/À | N/A | SP-HRC-
220-4 | 1985 | Replace-
ment | No . | |
| Sm. Pipe
Sub-Assembly | Bechtel | N/A | N/A | SP-HRC-
220-6 | 1983 | Repaired | Yes | See Note |
| l" Globe
Valve | Yarway | 6565 | None | 2-11-149 | 1976 | Replace-
ment | Yes | |
| Sm. Pipe
Hanger
: | PP&L | N/A | N/A | SP-HRC-
219-H22 | 1985 | Replace-
ment | No | |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H23 | 1985
- :- | Replace-
ment | No | |
| Sm. Pipe
Hanger | PP&L | N/A | N/A · | SP-HRC-
219-H24 | 1985 | Replace-
ment | No | |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H25 | 1985 | Replace-
ment | No | |

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Page 17 of 100

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| , | Owner_ | Pennsylvania Power & Light Co. | Date3/25/85 . |
|----|---------|-------------------------------------------------------|--------------------------------------------------------------------------|
| •• | | Name DA 10101 | 5.10 |
| | TWO | N. 9th Street, Allentown, PA 18101 | Sheet 5 of 17 |
| 2. | Plant | Susquehanna Steam Electric Station | Unit 2 |
| | | Berwick, PA 18603 | See Page 1 |
| 3. | Work Pe | Address
Informed by Pennsylvania Power & Light Co. | Repair Organization P.O. No., Job No., etc. N/A Type Code Symbol Stamp |
| | | Neme
N. 9th Street, Allentown, PA 18101 | Authorization No. N/A Expiration Date N/A |
| | | Address | |

- 4. Identification of System Reactor Bldg. HVAC, RCIC Room Cooling (System 234F)
- 5. (a) Applicable Construction Code ASME III 19 71 Edition, Winter '72 Addenda N-316 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 81
- 6. Identification of Components Repaired or Replaced and Replacement Components

| | | , | · · · · · · · · · · · · · · · · · · · | | | | |
|--------------------|-------------------------|----------------------------|---------------------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| Name of Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Suilt | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H26 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H27 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H28 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H29 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H30 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H31 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hangeŗ | PP&L | N/A | N/A | SP-HRC-
219-H32 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | -N/A | SP-HRC-
219-H33 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H34 | 1985 | Replace-
ment | No |
| Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H35 | 1985 | Replace-
ment | Ио |

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SUPPLEMENTAL SHEET

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| | SUPPLEMENTAL SHEET | Page 18 of 100 - |
|----|---------------------------------------------------------------|---------------------------------------------|
| 1. | Owner Pennsylvania Power & Light Co. | Date 2/25/85 |
| | Two N. 9th Street, Allentown PA 18101 | Sheet 6 of 17 |
| 2. | Plant Susquehanna Steam Electric Station | Unit2 |
| | Berwick, PA 18603 | See Page 1 |
| | Address | Repair Organization P.O. No., Job No., etc. |
| 3. | Work Performed by Pennsylvania Power & Light Co. | Type Code Symbol Stamp N/A |
| | Name | Authorization No. N/A |
| | Two N. 9th Street, Allentown, PA 18101 | Expiration Date N/A |
| 4. | Address Identification of System Reactor Bldg. HVAC, RCIC Ro | |

- 5. (a) Applicable Construction Code ASME III 19 71 Edition, Winter 172 Addenda, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, Winter 181 Code Case
- 6. Identification of Components Repaired or Replaced and Replacement Components

| • | Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board ,
No, | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
|---|----------------------|-------------------------|----------------------------|----------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| | Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H36 | 1985 | Replace- | No |
| | Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H37 | 1985 | Replace-
ment | No |
| | Sm. Pipe
Hanger | PP&L | N/A | N/A | SP-HRC-
219-H38 | 1985 | Replace-
ment | No |

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| Page | 19 of 100 |) ~ |
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| | · |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| | 2/05/05 |
| 1. Owner Pennsy | Ivania Power & Light Co. Date 3/25/85 |
| Two N. 9th | Street, Allentown, PA 18101 Sheet 7 of 17 |
| Cuanual | Address |
| 2. Plant Susquer | anna Steam Electric Station Unit 2 |
| Berwick | ., PA 18603 See Page 1 |
| | Address Repair Organization P.O. No., Job No., etc. |
| 3. Work Performed by | Pennsylvania Power & Light Co. Type Code Symbol Stamp N/A Name N/A |
| Two N. 9th | Chrock Allocker DA 19101 |
| | : Address : Address : Address : Address : Expiration Date : N/A |
| 4. Identification of Sy | Reactor Bldg. HVAC, RCIC Room Cooling (System 234F) |
| 5. (a) Applicable Con (b) Applicable Edit | struction Code ASME III 19 71 Edition, Winter †72Addends, N-316 Code Carlon of Section XI Utilized for Repairs or Replacements 19 80, Winter †81 |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| 6. Identification of Co | imponents Repaired or Replaced and Replacement Components (See sheets 3 and 4) |
| | |
| NOTE 1: a) | Upper portion originally N5 code stamped as System 234F is now System 234E. ("REPAIRED") |
| b) | Middle (deleted) portion is scrapped and "REPLACED". |
| c) | Lower portion is now shown on new ISO SP-HRC-219-6 and remains on System 234F. Modification is a "REPAIR" on ISO SP-HRC-219-6. |
| NOTE 2: a) | Upper portion originally N5 code stamped as System 234E is now System 234F ("REPAIRED"). |
| b) | Middle (deleted) portion is scrapped and "REPLACED". |
| c) | Lower portion is now shown on new ISO SP-HRC-219-5 and remains on System 234E. Modification is a "REPAIR" on ISO SP-HRC-219-5. |
| NOTE 3: New | ISO originally installed under ISO SP-HRC-219-1. |
| NOTE 4: a) | Upper portion originally N5 code stamped as System 234F is now System 234E ("REPAIRED"). |
| , b) | Middle (deleted) portion is scrapped and "REPLACED". |
| | Lower portion is now shown on new ISO SP-HRC-220-5 and remains on System 234F. Modification is a "REPAIR" on ISO SP-HRC-220-5. |
| NOTE 5: a) | Upper portion originally N5 code stamped as System 234E is now System 234F ("REPAIRED"). |

c) Lower portion is now shown on new ISO SP-HRC-220-6 and remains on System 234E. Modification is a "REPAIR" on ISO SP-HRC-220-6.

b) Middle portion (now deleted) is scrapped and "REPLACED".

NOTE 6: New ISO originally installed under ISO SP-HRC-220-1.

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| 1. Owner | PENN. | STLVANIA POU | UER & LIGH | TCO. | Date | | | |
|-------------|-------------------|----------------------------|----------------------------|--------------------------|-----------------------------------|---------------|------------------------------------------|----------------------------------|
| Two | N. 9 <sup>T</sup> | HST, ALLENTO | NUN PA | 18101 | Sheet / | of | | |
| 2. Plant | SUSQUE | HANNA STEAM | ELECTRK S | STATION | Unit Z | | . | |
| Po | R. II | Name 7 BERWKK, Address | PA 1860 | | | | PMR 83 | -59 |
| 1.0. | OOX 76 | Address | 111 1060 | | | | | etc. |
| 3. Work P | erformed by | OWNER | Name | | Type Code Symbo | Stamp | N/A | |
| | * | | 1441110 | | Authorization No. Expiration Date | N [A | 4 | |
| | | Address | Room | Carlinic | | | | |
| | | ntern RHR P | | | • | | | |
| 5. (a) Ap | plicable Cons | struction Code AS | ME TIL 19 | 74 Edition, | WINTER 75 | Addenda,_ | NA | _Code Ca |
| (b) Ap | plicable Editi | ion of Section XI Uti | lized for Repairs | or Replacement | 19 80 / WIN | TER 81. | | |
| 6. Identifi | ication of Co | mponents Repaired o | or Replaced and R | eplacement Co | mponents | | | |
| | | | | | _ | | | T |
| | | ľ | 1 . I | | | | | |
| | T. | į | ' | | | Į. | | 1 |
| | | | | National | | | Repaired, | Code
Stampe |
| _ | me of 🛶 | Name of Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | Code
Stampe
(Yes |
| _ | | 1 | | Board | | | Replaced, | Code
Stampe
(Yes |
| Com | ponent | Manufacturer | Serial No. | Board
No. | | Built | Replaced,
or Replacement | Stampe
(Yes
or No) |
| _ | ponent | 1 | | Board | Identification | | Replaced, | Code
Stampe
(Yes
or No) |
| Com | ponent | Manufacturer | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Code
Stampe
(Yes
or No) |
| Com | ponent | Manufacturer | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Code
Stampe
(Yes
or No) |
| Com | ponent | Manufacturer | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Code
Stampe
(Yes
or No) |
| Com | ponent | Manufacturer | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Code
Stampe
(Yes
or No) |
| Com | ponent | Manufacturer | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | Code
Stampe
(Yes
or No) |
| Bunerfl | PONENT | Manufacturer CONTROMATICS | Serial No. 85225-13-4 | Board
No. | Identification HV-ZII44A | Built | Replaced,
or Replacement | Code
Stampe
(Yes
or No) |
| Bunerfl | ponent | Manufacturer CONTROMATICS | Serial No. 85225-13-4 | Board
No. | Identification HV-ZII44A | Built | Replaced,
or Replacement | Code
Stampe
(Yes
or No) |

Page 21 of 100

| FORM NIS-2 (Back) | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 9. Remarks ATTATCHED NPV-1 | |
| Applicable Manufacturer's Data Reports to be attached No VALUE REPLACED, ADDITIONAL VALUE INSTALLED INTO EX. | IS77NG |
| SYSTEM. | |
| | |
| | |
| We certify that the statements made in the report are correct and this <u>NEPLACEMENT</u> conforms to the rules of repair or replacement. ASME Code, Section XI. | of the |
| Type Code Symbol Stamp N/A | |
| Certificate of Auxorization No. N/A Signed Date January 7 , 1986 | |
| Owner or Owner's Designee, Title Superintendent of Plant | |
| CERTIFICATE OF INSERVICE INSPECTION | |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of PENNA. and employed by AREWRIGHT BOSTON MEGRS. MUTUAL INS. | |
| in this Owner's Report during the period Nov. 19, 1984 to Nov. 27, 1984, and sta | scribed |
| to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described | l 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, concern | - 1 |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his en shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected w inspection. FACTORY MUTUAL SYSTEM | |
| William R. Roges III Commissions NB 7980 PAZZO4 NIBS Inspector's Signature National Board, State, Province, and Endorsement | 5 IS |
| Date JAN. 20 19.86 | |

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| 1. Owner Penn | yslvania Powe | | Co. | Date12/04/ | /84 | 0 | |
|--------------------------|--------------------------|-------------------|--------------------|--------------------------------|-----------------|-----------------------------------------------|-----------------|
| Two | Name
N. 9th Street | . Allentown | n PA. 1810 | l <sub>Sheet</sub> 1 | 4 | * | |
| 4 | Address
uehanna Steam | | | Unit 12 | | | |
| t | Name
Lck, Pa. 1860: | | | See Below | | | |
| | Address | | | Repair Orga | nization P | .O. No., Job No., | , etc. |
| 3. Work Performed I | y Pennsylvania | Power & I | light Co. | Type Code Symbol | Stamp | N/A | · |
| Two N. N | Inth Street, A | | PA. 18101 | Authorization No | | N/A
N/A | |
| | Address | | 1 10101 | Expiration Date | $\overline{}$ | | |
| 4. Identification of S | System Reactor | Bldg. Chil | led Water | √ (System 23 | (4U) | Cl.3) | |
| 5 (a) Applicable Co | nstruction Code ASI | Œ TTT | 71 | Min man 173 | | | |
| | ition of Section XI Ut | | | | | N/A | _Code Cas |
| | | | or reprocessions; | 80 | | | |
| 6. Identification of (| Components Repaired | or Replaced and F | Replacement Con | ## rt/4/##
nponents | | | |
| | <u> </u> | | l . | | | γ | Τ |
| | | | | | | | ASME |
| | | | National | [| | Repaired, | Code
Stamped |
| Name of | Name of | Manufacturer | Board | Other | Year | Replaced, | (Yes |
| Component | Manufacturer | Serial No. | No. | Identification
System Valve | Built | or Replacement | or No) |
| | | | | Number | | <u>, </u> | |
| 2" Globe Vlv | Henry Vogt | 14-215095 | - NONE / | 2-11-136 | 1984 | Replacemen | t YES |
| 4" Motor
Operated Vlv | Contromatics | 85225-13- | 6 328 | HV21144Ã | 1979 | Replacemen | t YES |
| 2" Glove Vlv | Wanner Wash | 6 015005 | | | | | |
| 4" Motor | Henry Vogt | 6-215095 | NONE | 2-11-137 | 1984 | Replacemen | t YES |
| | Contromatics | 85225-13- | 4 326 | HV21144B | 1979 | Replacemen | t YES |
| _ | | | | / / / | | | |
| | T | | | | | I | |
| . Description of Wor | k Install two | each 2" g | Lobe valve | s and two eacl
ystem as par | h 4" m | otor-opera | ted va |
| 3. Tests Conducted: | Hydrostatic X Pn | | minal Operating | | r or w | acternamme
, | r prev |
| | Other Pressure | 105 | Test Temp | 60 °F | | • | |
| NOTE: Suppleme | ntal sheets in form of | liete ekatahan a | r drawinge may h | a nead provided (4) |
110 el orie | In v 11 in 10\ to | nforms |
| MOIE: Propreme | | avareings, O | r arattings indy t | ~ asco, provided (1): | *** 0 13 0 13 | in, x i i in., (2) ii
I the number of s | |

\* Design Packages: PMR's 83-592D&E Work Installation Packages: CWO'S C-44425, 44426, 44428, 44444, 44445 and 44446

| ig
Li | • |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6 | FORM NIS-2 (Back) |
| ₩9. | Remarks 1. See attached Manufacturers Data Reports for two each 2" globe valves Applicable Manufacturer's Data Reports to be attached and two each 4" motor operated valves. |
| 46 | 2. Added isometric drawings SP HRC -228-6 and SP HRC-224-13. |
| 3 | CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. |
| | Certificate of Authorization No. N/A Expiration Date N/A Signed Owner or Owner's Designed, Title |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA and employed by ARKWRIGHT BOSTON MFGRS. MUTUAL INS. CO. of WALTHAM MASS. have inspected the components described in this Owner's Report during the period NOV. 7, 1989 to NOV: 24, 1984, 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 SYSTEM William R. Rogen III Commissions PA. 2204 NB 7980 NIBS Inspector's Signature National Board, State, Province, and Endorsements |
| Ş | D. DEC 13 40.84 |

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| 1. Owner Pennsy | lvania Power | & Light Co |) . | Date 5/3/85 | | 0 | <u> </u> |
|-----------------------------------------------------------------|----------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------|--------------------------------------------------------------|-----------------------------------|
| | Name |) | | | _ | | • |
| Two N. 9th | Street, All | entown, PA | 18101 | Sheetof | <u> </u> | | |
| 4 01. | anna Steam E | lectric Sta | ation | (#2) | | | |
| 2. Plant Susquen | Name | rectife of | 1011 | CWO-C55044 | (PMR | 83-592G) | |
| Berwick | . PA 18603 | | • | CWO-C55045 | • | • | |
| - | Address | | | Repair Organ | ization P | .O. No., Job No., | etc. |
| 3. Work Performed by | , Pennsylvania | a Power & I | Light Co. | Type Code Symbol S | Stamp | N/A | |
| | 1 | Name | | Authorization No. | | N/A | |
| Two N. 9th | Street, All | entown, PA | 18101 | Expiration Date | | N/A | |
| | Address | | | (100411) | , | (22) | |
| 4. Identification of S | stem Reactor | Building (| Chilled Wa | ter ((2340) | (Class | _3)/ | |
| (b) Applicable Edi | | _ | | | | | <u> </u> |
| | | _ | | | Year | Repaired,
Replaced, | (Yes |
| 6. Identification of Co | omponents Repaired | or Replaced and F | Replacement Cor | mponents | | Repaired, | Code
Stamped |
| 6. Identification of Control of Control of Control of Component | omponents Repaired | or Replaced and F
Manufacturer
Serial No. | Replacement Cor
National
Board | nponents
Other | Year | Repaired,
Replaced,
or Replacement | Code
Stamped
(Yes |
| Name of Component Vacuum | omponents Repaired | or Replaced and F | Replacement Cor
National
Board | nponents
Other | Year | Repaired,
Replaced, | Code
Stamped
(Yes |
| 6. Identification of Control of Control of Control of Component | Name of Manufacturer | Manufacturer
Serial No.
N67795-
00-0005 | Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Pr | Other Identification | Year | Repaired,
Replaced,
or Replacement
Replace— | Code
Stamped
(Yes
or No) |
| Name of Component Vacuum Breaker | Name of Manufacturer | Manufacturer
Serial No. | Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Proprietation Pr | Other Identification | Year | Repaired,
Replaced,
or Replacement
Replace-
ment | Code
Stamped
(Yes
or No) |
| Name of Component 2" Vacuum Breaker 2" Vacuum | Name of Manufacturer | Manufacturer
Serial No.
N67795-
00-0005 | National
Board
No. | Other Identification | Year | Repaired, Replaced, or Replacement Replace- ment Replace- | Code
Stamped
(Yes
or No) |
| Name of Component 2" Vacuum Breaker 2" Vacuum | Name of Manufacturer | Manufacturer
Serial No.
N67795-
00-0005 | National
Board
No. | Other Identification | Year | Repaired, Replaced, or Replacement Replace- ment Replace- | Code
Stamped
(Yes
or No) |
| Name of Component 2" Vacuum Breaker 2" Vacuum Breaker | Name of Manufacturer | Manufacturer
Serial No.
N67795-
00-0005 | National
Board
No. | Other Identification | Year | Repaired, Replaced, or Replacement Replace- ment Replace- | Code
Stamped
(Yes
or No) |
| Name of Component 2" Vacuum Breaker 2" Vacuum | Name of Manufacturer | Manufacturer
Serial No.
N67795-
00-0005 | National
Board
No. | Other Identification | Year | Repaired, Replaced, or Replacement Replace- ment Replace- | Code
Stamped
(Yes
or No) |

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.



Other Pressure \* psi Test Temp. \*

Page 25 0f 100

| 1 | |
|---|----|
| • | И. |

٨ FORM NIS-2 (Back) 171 See attached Manufacturer's Data Report for 2" vacuum breakers 9. Remarks Applicable Manufacturer's Data Reports to be attached **ごつ CERTIFICATE OF COMPLIANCE** We certify that the statements made in the report are correct and this Replacement, conforms to the rules of the 10 repair or replacement ASME Code, Section XI. ١, ķ None Type Code Symbol Stamp\_ 4 Expiration Date \_ Certificate of Authorization No. Signed. Owner or Owner's Designee, Titl 3 : 0 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA and employed by ARKW RICHT BOSTON MEGES. MUTUAL INS. CO. WALTHAM, MASS. ñ have inspected the components described in this Owner's Report during the period JAN. 15,1985 to APRIL 15.1985 \_, and state that :77 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this 150 Owner's Report in accordance with the requirements of the ASME Code, Section XI. 45 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 FACTORY MUTUAL SYSTEM Commissions PA 22 04 N 87980 National Board, State, Province, and Endorsements Date MAY 10 1985

(12/82)

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| I. Owner Pennsy | lvania Power | & Light C | 0 | Date Octob | er 27 | 1986 | |
|-----------------------------------------------------------------|-------------------------|----------------------------|----------------------|----------------------------------|---------------|-----------------------------|---------------------|
| Two North Nin | th St., Alle | entown, PA | 18101_ | Sheet o | · | 2 | |
| 2. Plant Susqueh | anna Steam E | Electric St | ation | UnitII | | 4 | |
| P.O. Bo | × 467, Berwi | ck, PA 186 | 03 | See Continu | ation | Sheet No. | 2 |
| . Work Performed by | | | | Type Code Symbol S | Stamp | | etc. |
| Two North Nin | th St., Alle | entown, PA | 18101 | Authorization No Expiration Date | | | |
| I. Identification of Sys | Address | | | | | | |
| (a) Applicable Cons (b) Applicable Editi (dentification of Cons | on of Section X1 Ut | ilized for Repairs | or Replacements
• | 19 <u>80 Wi</u> nter | | | _0000 |
| ę | | | ,
National | , | | Repaired, | ASM
Cod
Stamp |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | Board
No. | Other
Identification | Year
Built | Replaced,
or Replacement | or N |
| 1" 1500# CS
GB Valve · | Yarway | B2187 | N/A | 2-51-815 | 1980 | Replace- | Ye |
| 14" Pipe
Assembly | PP&L | ' N/A | N/A ∾ ' | HBC-217-1 | 1986 | Replace-
ment | No |
| 14" Pipe
Assembly | Bechtel | N/A | N/A | HBC-217-1 | 1983 | | Ye |
| l" Pipe
Assembly | PP&L | N/A | N/A | SPHBC-217-1 | 1986 | | No |
| 14" Pipe
Support | Bechtel | N/A | N/A | нвс-217-н9 | 1983 | Replaced
Repaired | Ye |
| . Description of Work | | | • | 4.0° - | | | |
| Tests Conducted: | _ | neumatic 🔲 No | ominal Operating | Pressure D | -249-0 | 019 | |

(12/82)

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

Page 27.08 100

- 4

| | FORM NIS-2 (Back) |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Re | marks The New Yarway Valve Serial No. B2187, Manufacturer's Data Reports Ar |
| | Applicable Manufacturer's Data Reports to be attached |
| - | Attached. |
| | • |
| | |
| _ | |
| | • |
| | |
| _ | |
| | CERTIFICATE OF COMPLIANCE Repair & We certify that the statements made in the report are correct and this Replacement conforms to the rules of the |
| AS | ME Code, Section XI. |
| | , · |
| _ | No. a |
| Гур | pe Code Symbol Stamp None |
| Cer | tificate of Authorization No. N/A Expiration Date N/A |
| | |
| Sign | ned |
| | Owner or Owner's Designee, Title Superintendent of Plant |
| _ | |
| ı •ı | CERTIFICATE OF INSERVICE INSPECTION |
| or F | he undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the Sta
Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. |
| | Waltham, MA have inspected the components describe |
| in t | his Owner's Report during the period_MAY_19,1986 to July 24,1986, and state th |
| | he best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th |
| | ner'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 |
| hal | minations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employed
I be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with the |
| | ection. FACTORY MUTUAL SYSTEM |
| ,. | 1 2 1 2 1 3 1 3 1 |
| | Inspector's Signature Commissions National Board, State, Province, and Endorsements |

(12/82)

1. Owner Pennsylvania Power & Light Company October 27, 1986 Date\_ Allentown, PA 18101 Sheet Two North Ninth St., 2 Man Susquehanna Steam Electric Station \* See Below P.O. 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\_ N/A Authorization No. \_\_ N/A 18101 Expiration Date\_ Two North Ninth St Allentown. 4. Identification of System Alternate Fuel Pool Cooling 235B-III 5. (a) Applicable Construction Code ASME III 1971 Edition, Winter '72 Addends, N/A

6. (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 Winter '81 Addenda

16. Identification of Components Repaired or Replaced and Replacement Components

| Name of Name of Gomponent Menufactu | Manufacturer
Seriel'No. | National `
Board
No, | Other
Identification | Yeer
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
|-------------------------------------|----------------------------|----------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
|-------------------------------------|----------------------------|----------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|

14" Pipe 3 Support

PP&L

N/A

N/A

HBC-217-H9 1986

Replacement

No

7. DESCRIPTION OF WORK (continued)

Reroute that section of the 14" pipe Fuel Pool Cooling to RHR Pump Suction Line and its supports which interfered with the RHR 17B valve replacement and the addition of a high point vent on the same line.

\* \*REPAIR\* ORGANIZATION P.O: NO., JOB NO.; ETC. (continued)

Design Document PMR 83-449D

Work Documents CWO C-66131 - Reroute the 14" pipe, rework support and installation of high point vent.

CWO C-66132 - Hydrostatic Test

ďċ. 新華 ではく (z) 4°,

| | | | | PAIRS OR REPLA ASME Code Sectio | | 's
19279 19 | 110 |
|------------------------------------------------------------------|---------------------------------------|------------------------------------------|------------------------------------|-----------------------------------------------|---------------------------|------------------------------------------|-----------------------------------------|
| I. Owner Pennsy | lvania Power | & Light (| | Date October | r 31, 4 | (986 | } |
| Two North Ni | Name
nth St., All | • - | | Sheet 1 | | 2 . | |
| . Plant Susqueha | Address
anna Steam E | - | | Unit II | | | |
| P.O. Bo | Name
x 467, Berwi
Address | ck, PA 18 | 3603 | * See Be | | ı | |
| Work Performed by | | | | Repair Orga Type Code Symbol | | .O. no., Job no.,
N/A | etc. |
| Two North Nin | nth St., All | Name | | Authorization No. Expiration Date | | N/A
N/A | |
| . Identification of Syst | Address | , | | | | | |
| (a) Applicable Const | | e e | | | ddenda. | N/A | Code C |
| (b) Applicable Edition | on of Section XI Uti | ilized for Repairs | or Replacement | s 19 80, Winter | r '81 / | Addenda | |
| , Identification of Con | nponents Repaired o | or Replaced and f | Replacement Co | mponents | | • | |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stampe
(Yes
or No |
| l" Manual
Globe Valve | Kerotest | TR-34-13 | 10954 | 2-41-022A | 1976 | Replace- | Yes |
| l" Manual
Globe Valve | Kerotest | TR-34-23 | 10964 | 2-41-022B | 1976 | Replace-
ment | Yes |
| l" Manual
Globe Valve | Kerotest | TR-34-1 | 10942 | 2-41-023A | 1976 | Replace- | Yes |
| l" Manual
Globe Valve | Kerotest | TR-34-15 | 10956 | 2-41-023B | 1976 | Replace-
ment | Yes |
| Large Pipe
Sub Assembly | Bechtel | | | DLA-201-1 | 1983 | Replaced
Repaired | Yes |
| Description of Work_ | Add test
Rate Test | | onnection | s to facilita | ate Fee | edwater Loc | al L |
| | Hydrostatic 🔀 Pr
Other 🔲 Pressure_ | | ominal Operating | | | • | |
| NOTE: Supplements tion in items 1 throuse recorded at the top of | ugh 6 on this repor | f lists, sketches, o
t is included on | or drawings may
each sheet, and | be used, provided (1
(3) each sheet is nur |) size is 8%
mbered an | i in. × 11 in., (2) i
d the number of | nforma-
sheets is |

(12/82)

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

\*Design Change Package - DCP/PMR 85-3143 Work/Installation Packages: CWO's C-66404 & C-66407 Page 30. of 100

| r | |
|---|--|

| | • |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| FORM NIS- | 2 (Back) |
| Remarks See attached Manufacturer's Data | Report for each valve |
| | r's Data Reports to be attached |
| | |
| | |
| • | |
| | |
| CERTIFICATE OF C | COMPLIANCE epair/ sect and this replacement conforms to the rules of the |
| ASME Code, Section XI. | repair or replacement |
| • | • |
| Type Code Symbol Stamp None | |
| Certificate of Authorization No. N/A Signed Owner or Owner's Designee, Title Superintende | Expiration DateN/A |
| | |
| CERTIFICATE OF INSE | |
| I, the undersigned, holding a valid commission issued by the National or Province of Pennsylvania and employed by Ark Waltham, Mass. | wright Boston Mfgrs. Mutual Ins. Cof |
| in this Owner's Report during the period JULY 7, 1986 | have inspected the components described |
| to the best of my knowledge and belief, the Owner has performed | examinations and taken corrective measures described in this |
| Owner's Report in accordance with the requirements of the ASME C | |
| By signing this certificate neither the Inspector nor his employer
examinations and corrective measures described in this Owner's Fahil be liable in any manner for any personal injury or property dain
inspection. | Report. Furthermore, neither the Inspector nor his employer |
| William R. Rogens III Commissi | NB7980 PA2204 NIBS IS National Board, State, Province, and Endorsements |
| Date_Nov. 19 1986 | |

(12/82)

| | | ę | | F | 99e 310 | S (| 00. | <u> </u> |
|-----|----------------------------------------------------------------------------|-------------------------|-----------------------------------|--------------------------|----------------------------------------|---------------|------------------------------------------|-------------------------------------------|
| | 1. Owner Pennsy | ylvania Powe | r & Light (| Co | Date Octobe | 7 31, | 1986 | |
| | Two North Ni | Inth St., A1 | lentown, PA | 18101 | Sheet 2 o | 12 | | • |
| | 2. Plant Susqueha | anna Steam E | lectric Sta | tion | Unit II | | | |
| | P.O. Box | 467, Berwi | ck, PA 186 | 503 | | e she | et 1
0. no., job no., (| nc. |
| ; | 3. Work Performed by | Pennsylvani | a Power & I | Light Co. | Type Code Symbol S
Authorization No | | N/A | |
| r u | Two North Ni 4. Identification of Sys | Address | <u>lentown, PA</u>
ter (System | | Expiration Date | | N/A | |
| 4 | 5. (a) Applicable Cons
(b) Applicable Editi
5. Identification of Con | on of Section XI Ut | ilized for Repairs | or Replacement | 19 <u>80. W</u> inte | | | ,Code Cae |
| | Name of
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
Sub Assembly | Bechtel | | | DLA-203-1 | 1983 | Repaired
Replaced | Yes |
| | Small Pipe
Sub Assembly | Bechtel | : | · · · · · | SP-DLA-201 | -1'83 | Repaired
Replaced | Yes |

Repaired SP-DLA-203-1'83 Replaced Yes

提, 经按 经 分 Small Pipe Sub Assembly

Bechtel

(1) (1) \* 154 1,

| . Owner Pennsyl | vania Power | | • | Date Octobe | r 31, | 1986 |)
—— |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------|
| Two North Nin | | ntown, PA | 18101 | Sheet 1 | 12 | 2 | |
| , Plant Susqueh | Address
anna Steam E | lectric Sta | ation | Unit2 | | | |
| | Name | | | • | D . 1 | | |
| Berwick | , PA 18603 | | | * See | | O. No., Job No., | atc . |
| . Work Performed by | | a Power & I | Light Co. | | | N/A | 4 (0, |
| , work remonned by | | Name | | - Type Code Symbol : Authorization No | | N/A | |
| T <u>wo North Nin</u> | th St., Alle | entown, PA_ | 18101 | Expiration Date | | N/A | |
| | | | | | | | |
| , Identification of Sys | tem_ Feedwate | r (System | 245A - CI | ass 2) | | | |
| . (a) Applicable Cons | ASN | E III | 71 | Winter '72 | | N-316 | |
| (a) Applicable Cons | truction Code | 19 | Edition, | AC 80 Winto | ddenda,_
- '81 | Addondo | Code Ca |
| (b) Applicable Editi | on of Section XI Ut | ilized for Hepairs o | r Heplacement | s 19 <u>80, W</u> inte | 01 | Addellda | |
| . Identification of Cor | moonents Repaired | or Replaced and R | enlacement Co | mponants. | | | |
| | | | | | | | |
| 4 | | | * | | | | |
| | | | | | | 1 | ASME
Code |
| | | | , | · i | - | | 0000 |
| | | 1 | National | 1 1 | i | Repaired, | Stampe |
| Name of | Name of | Manufacturer | National
Board | Other | Year | Replaced, | (Yes |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | | Other
Identification | Year
Built | 1 | (Yes |
| _ | | | Board | | | Replaced, | (Yes |
| Component | | | Board | | | Replaced, | (Yes |
| Component 3" Mtr Oper. | Manufacturer | | Board | | | Replaced,
or Replacement | (Yes |
| Component 3" Mtr Oper. | Manufacturer Anchor/ | Serial No.
E6734-1-3 | Board
No.
N/A | Identification HV 2-41-82A | Built
1986 | Replaced, or Replacement | (Yes
or No)
Yes |
| 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve | Anchor/ Darling Anchor/ Darling | Serial No. | Board
No. | Identification | Built | Replaced, or Replacement Replacement Replacement | (Yes
or No) |
| 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve 3" Manual | Anchor/ Darling Anchor/ Darling Anchor/ Anchor/ | E6734-1-3
E6734-1-4 | Board
No.
N/A
N/A | HV 2-41-82A
HV 2-41-82B | 1986
1986 | Replaced, or Replacement Replacement Replacement Replacement Replacement | Yes
Yes |
| 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve 3" Manual Gate Valve | Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling | Serial No.
E6734-1-3 | Board
No.
N/A | Identification HV 2-41-82A | Built
1986 | Replaced, or Replacement Replacement Replacement Replacement Replacement | (Yes
or No)
Yes |
| Component 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve 3" Manual Gate Valve 3" Manual | Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ | E6734-1-3
E6734-1-4
E6734-2-3 | No. N/A N/A | HV 2-41-82A
HV 2-41-82B
2-41-021A | 1986
1986
1986 | Replace- ment Replace- ment Replace- ment Replace- ment Replace- | Yes Yes Yes |
| 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve 3" Manual Gate Valve 3" Manual Gate Valve | Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling | E6734-1-3
E6734-1-4 | Board
No.
N/A
N/A | HV 2-41-82A
HV 2-41-82B | 1986
1986 | Replace- ment Replace- ment Replace- ment Replace- ment Replace- ment | Yes
Yes |
| 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve 3" Manual Gate Valve 3" Manual Gate Valve 1" Manual | Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling | E6734-1-4 E6734-2-3 E6734-2-4 | No. N/A N/A N/A N/A | HV 2-41-82A
HV 2-41-82B
2-41-021A
2-41-021B | 1986
1986
1986
1986 | Replaced, or Replacement Replacement Replacement Replacement Replacement Replacement Replacement | Yes Yes Yes Yes |
| 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve 3" Manual Gate Valve 3" Manual Gate Valve | Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling | E6734-1-3
E6734-1-4
E6734-2-3 | No. N/A N/A | HV 2-41-82A
HV 2-41-82B
2-41-021A | 1986
1986
1986 | Replace- ment Replace- ment Replace- ment Replace- ment Replace- ment | Yes Yes Yes |
| Component 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve 3" Manual Gate Valve 3" Manual Gate Valve 1" Manual Glove Valve | Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Henry Vogt | E6734-1-3 E6734-1-4 E6734-2-3 E6734-2-4 13-215319 | N/A N/A N/A N/A N/A | HV 2-41-82A
HV 2-41-82B
2-41-021A
2-41-021B
2-47-024A | 1986
1986
1986
1986
1986 | Replaced, or Replacement Replacement Replacement Replacement Replacement Replacement Replacement | Yes Yes Yes Yes Yes |
| Component 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve 3" Manual Gate Valve 3" Manual Gate Valve 1" Manual Glove Valve | Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Henry Vogt Add isolar | E6734-1-3 E6734-1-4 E6734-2-3 E6734-2-4 13-215319 | No. N/A N/A N/A N/A N/A N/A | HV 2-41-82A
HV 2-41-82B
2-41-021A
2-41-021B
2-47-024A
and drain co | 1986
1986
1986
1986
1986 | Replaced, or Replacement Replacement Replacement Replacement Replacement Replacement Replacement | Yes Yes Yes Yes Yes |
| Component 3" Mtr Oper. Gate Valve 3" Mtr Oper. Gate Valve 3" Manual Gate Valve 3" Manual Gate Valve 1" Manual Glove Valve . Description of Work | Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Anchor/ Darling Henry Vogt Add isolar | E6734-1-4 E6734-2-3 E6734-2-4 13-215319 cion valves Local Leak | No. N/A N/A N/A N/A N/A N/A | HV 2-41-82A
HV 2-41-82B
2-41-021A
2-41-021B
2-47-024A
and drain co | 1986
1986
1986
1986
1986 | Replaced, or Replacement Replacement Replacement Replacement Replacement Replacement Replacement | Yes Yes Yes Yes Yes |

(12/82)

recorded at the top of this form,

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

\* Design Change Package: DCP/PMR 85-3143
Work/Installation Package: CWO's C-66403, C-66405, C-66406, C-66407 and C-66503
Non-Conformance Report: 86-0715 (CWO C-66635)

- Page 33 8.100

| | 4 | ! |
|---|---|---|
| - | 1 | |

| , | | | | 1 | | | | F |
|----------------------------|-----------------------------------|---------------------------------------|-----------------------------|------------------------------|-------------------------------|-------------------------------------------------------|-------------|------------------|
| | | | | FORM NIS- | 2 (Back) | | | • |
| Remarks _ | See att | ached Manu | | | | or each val | .ve | · |
| | | | | | er's Data Reports | | | |
| | • | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| - | • | | | | | | | j. |
| | | | | . <u> </u> | | | | |
| | We certify that | | CERTI
made in the | FICATE OF (| COMPLIANCE rect and this re | epair/ placement c | onforms to | the rules of the |
| Type Code | e Symbol Stam | , , , , , , , , , , , , , , , , , , , | None | | | | | • |
| Signed | of Authorizati | ien NoI | N/A
O C 2 A
tie Super | lee de rintende | Expiration (Date T Of Plan | November | | |
| | | | | | | | | |
| | - A balak | ** ** | | | ERVICE INSPEC | | | |
| r Province | e of Penn | ng a valid commis
na
tham, Mass | _and employ | by the Nation
yed by Arkt | wright Bos | er and Pressure Ve
ton "Mfgrs. | Mutual | Ins. Co. |
| n this Ow | | | | 7.1986 | <u></u> | have inspected 5P. 28,198 | the compo | onents describe |
| | | | | | | ind taken corrective | | |
| Owner's Re | eport in accord | dance with the red | quirements (| of the ASME (| Code, Section XI | • | | |
| By sign | ling this certificate and correct | cate neither the | Inspector n | or his employ | er makes, any wa | arranty, expressed
more, neither the | or implied | I, concerning th |
| hall be lia
inspection. | able in any mai | nner for any pers | ional injury | or property dr | amage or a loss of | more, neither the
fany kind arising
ACTORY MUTU | from or cor | nnected with th |
| Willia | om R. K | Orgeno TTT
Cryp's Signature | | Commiss | ions NB7980 | PA2204
Board, State, Pro | | IBS IS |
| 1 | | | | • | | | • | |
| Date Nov | | | 86 | | | | | |

(12/82)

Page 34 of 100

| 1. Owner Pennsylvania Power & Light Company | October 31, 1986 |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Two North Ninth St., Allentown, PA 18101 | Sheet2 of2 |
| 2. Plann Susquehanna Steam Electric station Name | Unit2 |
| Berwick, PA 18603 | * See Below |
| Address | Repair Organization P.O. No., Job No., etc. |
| 3. Work Performed by Pennsylvania Power & Light Co. | 37 / A |
| Two North Ninth St., Allentown, PA 18101 | Authorization No. N/A Expiration Date N/A |
| Address Identification of System Feedwater (System 245A - C1 | ass 2) |
| (a) Applicable Construction Code ASME III 19 71 Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacement | Winter '72 Addends, N-316 Code Case 19 80, Winter '81 Addenda |

6. Identification of Components Repaired or Replaced and Replacement Components

| ر
پر Name of
۰۰۰. Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board ,
No, | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
|-----------------------------------|-------------------------|----------------------------|----------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| l" Manual
Globe Valve | Henry
Vogt | 20-215319 | N/A | 2-42-025A | 1986 | Replace
ment | -
Yes |
| 1" Manual
Globe Valve | Henry
Vogt | 16-215319 | N/A | 2-41-026A | 1986 | Replace ment | Yes |
| "1" Manual
Globe Valve | Henry
Vogt | 19-215319 | N/A | 2-41-026B | 1986 | Replace ment |
Yes |
| 1" Manual Globe Valve | Henry
Vogt | 15-215319 | N/A | 2-41-027A | 1986 | Replace ment | Yes |
| "1" Manual
"Globe Valve | Henry
Vogt | 17-215319 | . N/A | 2-41-027B | 1986 | Replace-
ment | Yes |
| Large Pipe | Bechtel | , | | DBB-222-1 | 1983 | Repaired
Replaced | |
| Large Pipe
Sub-Assembly | Bechtel | | •== | DBB-218-1 | 1983 | Repaired
Replaced | |
| Large Pipe
Sub-Assembly | Bechtel , | | , | DBB-219-1 | 1983 | Repaired
Replaced | |
| Small Pipe
Sub-Assembly | Bechtel | | ~~~ | SP-DBB-222-2 | 1983 | Repaired
Replaced | |
| Small Pipe
Sub-Assembly | Bechtel | | , | SP-DBB-218-1 | 1983 | Repaired
Replaced | |
| Small Pipe
Sub-Assembly | Bechtel | | | SP-DBB-219-2 | 1983 | Repaired
Replaced | |

ध • ₹\* n<sup>a</sup> 3. \*\* 6, } = 4

| | | | | | | | • |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------|-------------------------------|-------------------------------------|----------------------|------------------------------------------|-------------------------------------------|
| | | | | PAIRS OR REPLA
ASME Code Section | | is 35 | 0// |
| Two N. Ninth 2. Plant Susqueh P.O. Box 467, | St., Allento Address Lanna Steam F | & Light Co
own, PA 18 | 3101 | Oct. Sheet 1 Unit II See Continua | 9 (
27, 198
of | 5 | 9 |
| 3. Work Performed by | Address
Pennsylvani | a Power & | <u></u> | | snization P | .O. No., Job No.,
N/A
N/A | |
| 4. Identification of Sy5. (a) Applicable Cont(b) Applicable Edit6. Identification of Cont | struction Code Section XI Ut | tion III 19 | 71 Edition,
or Replacement | s 19 <u>80 Wi</u> nter | Addenda, | N/A
Addenda | _Code Case |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No, | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or Ño) |
| 24" 900# c.s.
GB-Y Valve | Anchor-
Darling | E-5853-74 | N/A | HV-251-
F017A | 1976 | Replaced | Yes |
| 24" 900# c.s.
GB-Y Valve
20" 900# c.s. | Anchor-
Darling | E-5853-74 | -
N/A | HV-251-
F017B | 1976 | Replaced | Yes |
| GB Valve
20" 900# c.s. | Components | 35188-1-3 | N/A | HV-251-
F017A
HV-251- | 1985 | Replace- | Yes |

| 7. | Description of Work See Continuation Sheet No. 4 | |
|----|---------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 8. | Tests Conducted: Hydrostatic X Pneumatic Nominal Operating Pressure Other X Pressure 550 psi Test Temp. 76 °F | TP-249-015 Rev. 1
TP-249-016 Rev. 1 |
| | NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided | SE-249-400 |

N/A

N/A

35188-1-4

N/A

tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



GB Valve

20" Flow

Orifice

Vickery

Components

Simms, Inc.

HV-251-

FO-25100A

F017B

Replace-

Replaced

Yes

ment

1985

1980

Page 36 of 100



| | FORM NIS-2 (Back) |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|). Re | All applicable Manufacturer's Code Data Reports (NPV-1 forms) |
| | Applicable Manufacturer's Data Reports to be attached are attached. |
| _ | n en en en en en en en en en en en en en |
| | |
| | |
| | CERTIFICATE OF COMPLIANCE PAIR & |
| AS | We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the SME Code, Section XI. |
| Ty | pe Code Symbol StampNone |
| | gned Owner & Designee, Title: Superintendent of Plant Owner of Owner & Designee, Title: Superintendent of Plant |
| | CERTIFICATE OF INSERVICE INSPECTION |
| l, t | the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. |
| in
to | this Owner's Report during the period TUNE 7, 1986 to SEP. 23, 1986, and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this |
| Ow | wner'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 |
| sha | aminations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employe all be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this spection. FACTORY MUTUAL SYSTEM |
| U | Commissions NB7980 PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements are Nov. 20 19.86 |
| Da | 19.86 |

(12/82)

Oct. 27, 1986 Pennsylvania Power & Light Co. Name 2 Two N. Ninth St., Allentown, PA 18101 Sheet\_ Address 2. Plane Susquehanna Steam Electric Station ΙI Unit\_ Name See Continuation Sheet No. P.O. Box 467, Berwick, PA 18603 Repair Organization P.O. No., Job No., etc. 3. Work Performed by Pennsylvania Power & Light Co. N/A Type Code Symbol Stamp. N/A Authorization No. \_ N/A Two N. Ninth St., Allentown, PA 18101 Expiration Date\_ 4. Identification of System Residual Heat Removal System 249A II

« 5, (a) Applicable Construction Code Section III 19 71 Edition, Winter 172 Addends. (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19\_80 Winter '81 Addenda

6. Identification of Components Required or Replaced and Replacement Components

| 4 | Name of
Component | Name of
Manufacturer | Manufacturer
/ Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
|----------------|------------------------|---------------------------|------------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| _ | 20" Flow
Orifice | Vickery
Simms | N/A | N/A | FO-25100B | 1980 | Replaced | No |
| * | 20" Flow
Orifice '' | Vickery
Simms | N/A | N/A | FO-25100C | 1980 | Replaced | No |
| • | 20" Flow
Orifice | Vickery
Simms | N/A | N/A | FO-25100D | 1980 | Replaced | Мо |
| T. | 20" Flow
Orifice | Vickery «
Simms | N/A | N/A | FO-25100A | 1986 | Replace-
ment | No . |
| <i>ξ</i> ; | 20" Flow
Orifice | Vi <i>c</i> kery
Simms | N/A | N/A | FO-25100B | 1986 | Replace-
ment | No |
| 23
29
29 | 20" Flow
Orifice | Vickery
Simms | N/A | N/A | FO-25100C | 1986 | Replace-
ment | No |
| , sag | 20" Flow
Orifice | Vickery
Simms | N/A | n/a | FO-25100D | 1986 | Replace-
ment | No |
| | 24" Pipe
Assembly | Bechtel | N/A | N/A | DBB-207-1 | 1984 | Repaired | Yes |
| | 24" Pipe
Assembly | Bechtel | N/A | N/A | DBB-207-2 | 1984 | Repaired | Yes |
| | | • | | | | | | |

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Page 38 of 100

| | • | |
|----|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 1. | Owner Pennsylvania Power & Light Co. | October 27, 1986 |
| | Two North Ninth St., Allentown, PA 18101 | Sheet 3 of 5 |
| 2. | Plane Susquehanna Steam Electric Station | UnitII |
| | P.O. Box 467, Berwick, PA 18603 | See Continuation Sheet No. 4 & 5 |
| 3. | Work Performed by Pennsylvania Power & Light Co. Name | Type Code Symbol Stamp N/A Authorization No. N/A |
| | Two North Ninth St., Allentown, PA 18101 | Expiration Data N/A |
| 4. | Identification of System Residual Heat Removal System | n 249A II |
| 5. | (a) Applicable Construction Code Section III 19 71 Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements | |

6. Identification of Components Repaired or Replaced and Replacement Components

| | | | 1 | 1 | | i |
|-------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| Bechtel | N/A | N/A | GBB-206-1 | 1984 | Repaired | Yes |
| Bechtel | N/A | N/A | GBB-206-2 | 1984 | Repaired | Yes |
| Bechtel | N/A | N/A | SP-GBB-
206-1 | 1984 | Repaired
Replaced | Yes |
| Bechtel | N/A | N/A | SP-GBB-
206-2 | 1984 | Repaired
Replaced | Yes |
| PP&L | N/A | N/A | SP-GBB-
206-1 | 1986 | Replace-
ment | No |
| PP&L | N/A | N/A | SP-GBB-
206-2 | 1986 | Replace-
ment | No |
| Bechtel | N/A | N/A | GBB-209-H8 | 1984 | Repaired
Replaced | Yes |
| PP&L | N/A | N/A | GBB-209-H8 | 1986 | Replace-
ment | No |
| Bechtel | N/A | N/A | JD-34-3-1C | 1984 | Repaired
Replaced | Yes |
| PP&L | N/A | N/A | JD-34-3-1C | 1986 | Replace-
ment | No |
| | Bechtel Bechtel Bechtel PP&L PP&L PP&L Bechtel Bechtel Bechtel | Manufacturer Serial No. Bechtel N/A Bechtel N/A Bechtel N/A PP&L N/A PP&L N/A PP&L N/A PP&L N/A Bechtel N/A PP&L N/A PP&L N/A | Name of Manufacturer Serial No. Bechtel N/A N/A Bechtel N/A N/A Bechtel N/A N/A Bechtel N/A N/A PP&L N/A N/A PP&L N/A N/A PP&L N/A N/A Bechtel N/A N/A Bechtel N/A N/A PP&L N/A N/A Bechtel N/A N/A Bechtel N/A N/A PP&L N/A N/A PP&L N/A N/A | Name of Manufacturer Manufacturer Manufacturer Serial No. Board No. Other Identification Bechtel N/A N/A GBB-206-1 Bechtel N/A N/A GBB-206-2 Bechtel N/A N/A SP-GBB-206-1 Bechtel N/A N/A SP-GBB-206-2 PP&L N/A N/A SP-GBB-206-2 PP&L N/A N/A SP-GBB-206-1 PP&L N/A N/A SP-GBB-206-1 PP&L N/A N/A GBB-209-H8 PP&L N/A N/A GBB-209-H8 Bechtel N/A N/A JD-34-3-1C | Name of Manufacturer Serial No. Manufacturer Serial No. Board Identification Other Built Bechtel N/A N/A GBB-206-1 1984 Bechtel N/A N/A GBB-206-2 1984 Bechtel N/A N/A SP-GBB-206-1 1984 Bechtel N/A N/A SP-GBB-206-1 1984 PP&L N/A N/A SP-GBB-206-2 1984 PP&L N/A N/A SP-GBB-206-1 1984 PP&L N/A N/A SP-GBB-206-2 1984 PP&L N/A N/A SP-GBB-206-2 1984 PP&L N/A N/A GBB-209-H8 1986 Bechtel N/A N/A GBB-209-H8 1986 Bechtel N/A N/A JD-34-3-1C 1984 | Name of Manufacturer Serial No. Serial No. SP-GBB- 206-1 1984 Repaired Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Replaced Rep |





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| Page 39 of 100 |
|-----------------------------------------------------------------------|
| Oct. 27, 1986 |
| Sheet 4 of 5 |
| UnitII |
| See Continuation Sheet No. 4 & 5 |
| CO - Type Code Symbol Stamp N/A Authorization No. N/A |
| Expiration Dete N/A |
| System 249A II |
| Hion, Winter '72 Addends N/A Code Components 19 80 Winter '81 Addenda |
| |

- 6. Identification of Components Repaired or Regisced and Replacement Components
- 7. Description of Work (Continued):

The RHR HV-251-F017 A&B Valve replacements.

The temporary removal and re-installation of the relief valve inlet piping in support of the 17 valve replacements.

The rework of support GBB-209-H8.

The replacement of the four RHR pump discharge flow orifices.

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

Design Documents:

PMR 83-449A RHR Valves HV-251-F017 A&B Replacements

Non-Conformance Reports:

NCR 86-434 Orifice plate vendor had no ASME Cerfificate of Authorization

NCR 86-479 Weld prep out of tolerance

NCR 86-507 Support GBB-209-H8, Flanges on wide flange beam W6 x 15.5 are deformed

NCR 86-510 Weld wire used by G.E. Produced excessive amounts of porosity in welds

NCR 86-637 Weld wire used on 17 valve replacements, supplier not on the ASQL.

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| (***) | | TUGE 40 OF 100 |
|-----------------------------|--------------------------------------------|---------------------------------------------|
| 1. Owner Pennsylv | ania Power & Light Co. | Oct. 27, 1986 |
| Two N. Ninth St. | , Allentown, PA 18101 | Sheet 5 of 5 |
| 2. Many Susquehan | na Steam Electric Station | Unit II |
| P.O. Box 467, Be | | See Continuation Sheet No. 4 & 5 |
| | Address | Repair Organisation P.O. No., Job Ne., etc. |
| 3. Work Performed by | <u>Pennsylvania Power & Light</u> | CO - Type Code Symbol Stamp N/A |
| | Name | Authorization No. N/A |
| Tow N. Ninth St. | , Allentown, PA 18101 | Expiration Dete N/A |
| 4. Identification of System | Residual Heat Removal | System 249A II |
| 5. (a) Applicable Constru | ction Code Section III 71 Ed | Winter '72 Address N/A Code Co |
| | | ments 19 80 Winter '81 Addenda |
| A Idealfornia of Ac- | | |
| a. Identification of Compt | onents Repaired or Replaced and Replacemen | nt Components |
| Work Documents: | | |
| CWO C-66357 | Replacement of the B&D R | HR pump discharge flow orifices |
| CWO C-66358 | Replacement of the A&C R | HR pump discharge flow orifices |
| CWO C-66360 | Hydrostatic test RHR A L | оор |
| CWO C-66361 | Hydrostatic test RHR B L | oop |
| CWO C-66362 | RHR 17A Valve Replacemen | t |
| CWO C-66363 | RHR 17B Valve Replacemen | t |
| CWO . C-66365 | Removal and Re-installat Valve replacement | ion of interferences for the RHR 17B |
| CWO C-66366 | Removal and Re-installat Valve replacement | ion of interferences for the RHR 17A |
| CWO C-66367 | Rework of support GBB-20 | 9-н8 |
| CWO C-66372 | Fabrication of the repla | cement sway strut for support |

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| FORM NIS-2 OWNER'S REPORT FOR | REPAIRS | OR RE | PLACE | MENTS |
|--------------------------------------|-------------|-------|-------|-------|
| A a Damida al Ivi at a Dividal and a | AL - A 0145 | 0-1-0 | | [] . |

| | As Requ | ired by the Pro | visions of the / | ASME Code Sectio | n XI 🚜 | 19241 of | 100 |
|-------------------------------------------------------|------------------------------------------------------------------|------------------------------------------|--------------------------------------------|-----------------------------------------------|-------------------------|-------------------------------------------|-------------------------------------------|
| 1. Owner Pennsy | vlvania Power | | lo, | Date 12/04/ | 84 | | |
| Two N. | oth Street, A | • | PA. 18101 | Sheetlc | of 3 | • | |
| Susque | Address
ehanna Steam | Flactric S | tation | | | | |
| | Name | | Lacion | Unit <u>#2</u>
PNR-84-3079, | CWO'S | C -44524, | C-4452 |
| Berwic | k, PA. 18603 | | (| and C-44526) | | O.O. No., Job No., | |
| . Work Performed by | Pennsylvani | a Power & | Light Co. | Type Code Symbol | Stamp | N/A | etc. |
| | th Street, A | | | Authorization No | | N/A | |
| | Address | TTEHLOWII, | FA. 10101 | Expiration Date | | N/A | |
| Identification of Sy | <sub>/stem_</sub> Residual | Heat Remo | val (- (Sys | tem 249A) (| 1.2) | | |
| (b) Applicable Edi | struction Code_AS | ilized for Repairs | or Replacements | 19 <u>87 Wi</u> nter
80 <sub>K.</sub> | ddenda,_
'81 | <u>N/A</u> . | Code Case |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
' No. | Other Identification SYSTEM VALVE NUMBER | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| " Globe Vlv | Yarway | B2299 | NONE | /2-51-052 | 1980 | Replacemen | t YES |
| " Globe Vlv | Yarway | B2300 | NONE | 2-51-054 | 1980 | Replacemen | t YES |
| " Globe Vlv | Yarway | B2301 | NONE | 2-51-055 | 1980 | Replacemer | t YES |
| " Globe Vlv | Yarway | B2302 | NONE | 2-51-050 | 1980 | Replacemen | |
| • | | - | | | | | |
| • | Add Spectac to Residual Hydrostatic X Pn Other X Pressure | Heat Remo | val System
minal Operating | ı – allows ct
Pressure ☐ ′ | on dra | in/test co
solation va | nnectic
lves LI |
| NOTE: Supplemention in items 1 throreorded at the top | ital sheets in form of
ough 6 on this report
of this form. | lists, sketches, o
t is included on e | ·
r drawings may t
each sheet, and (| pe used, provided (1)
3) each sheet is num | size is 8½
bered and | in. x 11 in., (2) id
d the number of s | nforma-
heets is |

(12/82)

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

| | FORM NIS-2 (Back) | |
|----------|--------------------------------------------------------------------------------------------------------------------------|-------|
| Remark | ks 1. See attached Manufacturers Data Reports for (4) each 2" glob | e 1 |
| | Applicable Manufacturer's Data Reports to be attached | |
| | 2. Total of (2) each 10" butt weld were not subjected to hydrot | esi |
| | | |
| | being exemped per Code Case N-241 | |
| | 3. Added isometric drawings SP HBB-220-3 and SP-HBB-220-4 | |
| | J. Added Isometric drawings of nbb-220-3 and or-nbb-220-4 | |
| | | |
| | CERTIFICATE OF COMPLIANCE | |
| 8 K + | We certify that the statements made in the report are correct and this replacement conforms to the rules of | f th |
| ASME | Code, Section XI. repair or replacement | |
| | ************************************** | |
| | NONE * | |
| Type C | Code Symbol StampRONE | |
| | cate of Authorization No. N/A Expiration Date N/A | |
| Certific | cate of Authorization No. N/A Expiration Date N/A | |
| C1 | | |
| Signed. | Owner or Owner's Designee, Title | |
| | · · · · · · · · · · · · · · · · · · · | |
| | CERTIFICATE OF INSERVICE INSPECTION | |
| I, the u | undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and th | e Sti |
| | rince of PENNA. and employed by ARKWRIGHT BOSTON MEGRS, MUTUAL INS. | |
| | THAM, MASS. have inspected the components de | |
| | Owner's Report during the period SEPT. 26, 1984 to NOV. 30, 1984, and sta | |
| | best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described | |
| Owner's | '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, concerni | ina 1 |
| | nations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his em | |
| | e liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected wi | |
| inspecti | tion. | |
| | FACTORY MUTUAL SYSTEM | |
| Will | Liam R. Pageus III Commissions PA 2204 NB 7980 NIBS Inspector's Signature National Board, State, Province, and Endorseme | |
| | Inspector's Signature National Board, State, Province, and Endorseme | nts |
| | | |
| Date | DEC. 13 1984 | |
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| 2. Pla 3. Wo Two 4. Ide 5. (a) | Berwick, o North Nir North Nir ntification of Sys | lvania Power Name inth St., Al Address anna Steam E Name , PA 18603 Address Pennsylvania th St., Alle Address Residual ctruction Code As on of Section Xi, Uti | lentown, PA Lectric Sta a Power & I Name entown, PA Heat Remover | A 18101 Ation Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Aight Co. Ai | Sheet 1 of Unit II CWO C66464 Repair Orga Type Code Symbol Authorization No Expiration Date | H; MMP nization P Stamp | 86-8006
O. No., Job No.,
None
N/A
N/A | etc. |
|------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------|-----------------------------------|
| 6. Ide | | mponents Repaired of
Name of
Manufacturer | | | | Year
Built | Repaired,
Replaced,
or Replacement | ASM
Cod
Stam
(Y)
or M |
| Pip
Sup | e
port | Bechte1 | N/A | N/A . | GBB-
204-H94 | 1983 | Repaired | . Y |
| <u>,</u> | .= | | ر ج م د الله | , | | 4 | | |
| | | Exchanger I | | | ate RHR Heat | -
Vone | ıXl | |

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

Page 41 of 100

| | | LOUIN 1412-5 (B8C) | K) | | |
|-----------------------------|-------------------------------|-------------------------------------------|---------------------------------------|---------------------|----------------|
| . Remarks | NőneNőne | £ | | , | |
| | | Applicable Manufacturer's Data | Reports to be attac | hed | |
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| | | • • | · · · · · · · · · · · · · · · · · · · | | |
| ŧ | · ** . * | CERTIFICATE OF COMPLI | ANCEepair/ | | |
| We d | | ade in the report are correct and | this replacement | ent conforms to | the rules of t |
| m | ~ . | • | • | u v | |
| # . E | | ι | | * | |
| Type Code Syn | mbol Stamp N/A | | | | |
| Certificate of A | Authorization Ng. N/A | E | piration Date | n/a | |
| | · ()cai | 2000 | | | 7.1. |
| Signed | er or Owner's Designee, Title | desles | Date Novemb | er 12 | , 19 <u>86</u> |
| | JI GI GIAIGI GO ANGINO, TIKI | Superintendent of | Plant | | |
| | , J | CERTIFICATE OF INSERVICE | INSPECTION | | |
| l, the undersign | ned, holding a valid commiss | ion issued by the National Board | of Boiler and Press | ure Vessel Inspect | ors and the S |
| or Province of | <u>Pennsylvania</u> , | and employed by <u>Arkwrigh</u> | nt Boston Mf | grs. Mutua | l Ins. C |
| la abla O | Waltham, MA | Aug 1 1001 | have insp | ected the comp | onents descri |
| to the best of | s Report during the period. | Ave 1, 1986 he Owner has performed examin | _10_0 6 P. 60, | 1986 | _, and state |
| Owner's Report | t in accordance with the requ | uirements of the ASME Code, Se | nations and taken co
ection XI. | orrective measures | described in |
| | | nspector nor his employer make | | pressed or implied | t. concernina |
| examinations a | and corrective measures desc | cribed in this Owner's Report. | Furthermore, neith | er the Inspector | nor his emplo |
| shall be liable inspection. | in any manner for any persor | nal injury or property damage of | r a loss of any kind a
FACTORY M | arising from or cou | nnected with |
| | | σ γ , | 7980 PAPP | ~ 4 | NTDC TO |
| William | K. KoosewIII | Commissions | 1200 5858 | USAL | NITO I |
| William | Inspector's Signature | Commissions | 7980 PA29
National Board, Sta | | NIBS IS |
| William | Inspector's Signature | Commissions | | | |

| | | | | PAIRS OR REPLA
ASME Code Sectio | | rs
IGC 45 | -
Ol |
|----------------------|-----------------------|-------------------------|-------------------|------------------------------------|------------|----------------------|----------|
| Pennsy | lvania Dovom | c light c | | 0.0 | ahan 1 | 1006 | Û |
| . Owner Pennsy | Name | | 0. | Date OCT | ober 1 | 4, 1986 | |
| Two North Ni | nth St., Alle | entown, PA | 18101 | Sheet 1 | of | 1 . | |
| Plant Susqueh | anna Steam E | lectric St | ation | UnitII | | • | |
| | Name | · | | Ontt | | | |
| P.O. Box 467 | , Berwick, P. | A 18603 | | WA #V6 | | | |
| | Address | | | Repair Orga | nization f | .O. No., Job No., | etc. |
| Work Performed by | Pennsylvani | Name | Light Co. | Type Code Symbol | | None | |
| Two North Ni | nth St., Alle | | 18101 | Authorization No. | | N/A
N/A | |
| | Address | | 10101 | Expiration Date | • | N/ A | |
| Identification of Sy | stem Residu | al Heat Re | moval - S/ | U 249A | | | |
| • | * | * 30 x** | 5 % | 1143 | | | |
| (a) Applicable Con | struction Code Sec | ction III <sub>19</sub> | 71 Edition, | Winter '72 A | ddenda,_ | N/A | _Code C |
| (b) Applicable Edit | ion of Section XI Uti | lized for Repairs | or Replacement | <sub>19</sub> 80 throug | h Wint | er 1981 Ad | denda |
| | - | _ | | | | | |
| Identification of Co | mponents Repaired o | or Replaced and F | Replacement Con | nponents | | | |
| | | | 1 | | | | 1 |
| | <u> </u> | | | | İ | } | ASMI |
| - | | og at <sup>®</sup> ope | National ** | | i | Repaired, | Code |
| Name of | Name of | Manufacturer | Board | Other | Year | Replaced, | (Yes |
| Component | Manufacturer | Serial No. | · No. | Identification | Built | or Replacement | or No |
| | ' | | | | | | |
| Small Pipe | | | | SP-HRC-227- | | 1 | |
| Assembly | Bechtel | N/A | N/A | 3 Ttem 30 | 1983 | Replaced | Yes |
| Small Pipe Assembly | PP&L " ** | N/A | N /2 | SP-HRC-227- | 1006 | Replace- | |
| ASSEMMLY | PFWL | N/A | N/A | 3 Item 30 | 1986 | ment | No |
| | | | | | | | |
| | | | | | | | |
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| | ll | | | | | <u> </u> | |
| Description of Work | Replaced | evisting | de fi ci ent | union with n | aw uni | on to allo | |
| Description of Work | a better | | GETTOTEMO | AILOH WICH IN | ew and | On to allo | <u> </u> |
| Tests Conducted: | | eumatic No | minal Operating | Pressure | EXEMPI | , | |
| | Other Pressure_ | | Test Temp | °F | -nert 1 | • | |
| | | | | | | | |
| NOTE: Supplement | tal sheets in form of | lists, sketches, o | r drawings may t | e used, provided (1) | size is 8% | in. × 11 in., (2) ir | nforma- |
| recorded at the top | ough 6 on this report | is included on e | each sheet, and (| 3) each sheet is num | bered and | d the number of s | neets is |



lage 46 of 100



FORM NIS-2 (Back)

| • | Remarks None Applicable Manufacturer's Data Reports to be attached |
|---|------------------------------------------------------------------------------------------------------------------------------------------|
| | |
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| | |
| | CERTIFICATE OF COMPLIANCE |
| | We certify that the statements made in the report are correct and this repair conforms to the rules of the |
| | ASME Code, Section XI. repair or replacement |
| | |
| | |
| | Type Code Symbol StampN/A |
| | |
| | Certificate of Authorization No. N/A Expiration Date N/A |
| | () $()$ $()$ $()$ $()$ $()$ |
| | Signed Date November 24, 19 86 |
| | Owner or Owner's Designee, Title Superintendent of Plant |
| _ | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the St |
| | or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Co |
| | waltnam, MA have inspected the components describ |
| | in this Owner's Report during the period SEP. 18, 1986 to SEP. 23, 1986, and state to |
| | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in t |
| | 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 to |
| | examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employee |
| | 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. FACTORY MUTUAL SYSTEM |
| | William P. Porto III NB7980 PA2204 NIBS II |
| | Inspector's Signature Commissions National Board, State, Province, and Endorsements |
| | Commissions NB7980 PA2204 NIBS II Inspector's Signature Commissions National Board, State, Province, and Endorsements Date Nov. 26 1986 |
| | - Nov 21 91 |
| | Date NOV. 26 19 06 |

(12/82)

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| | • |

| Owner Pennsy | lvania Power Name |) | | Date Octo | | | <i>U</i> |
|------------------------------------------|----------------------------------------|--------------------------------------------------|------------------|----------------------------|-------------|---------------------------------------|----------|
| TWO HOLEH H | Address | tencown, in | 10101 | Sheet 1 of | f | | |
| . Plant <u>Susqueh</u> | anna Steam E | | tion | Unit II | | | |
| Berwick | , PA 18603 | | | _CWO C66486, | MMP 8 | 86-8007 | |
| | Address | | | Repair Organ | nization P. | O. No., Job No., | etc. |
| . Work Performed by | Pennsylvani | | ight Co. | Type Code Symbol S | Stamp | | |
| | .1 6. 433 | Name | 10101 | Authorization No | | N/A | |
| Two North Ni | nth St., All | entown, PA | 18101 | Expiration Date | | N/A | |
| ." Identification of Sy | | Heat Remo | val SUS 24 | 9B | | | |
| . 13011111111111111111111111111111111111 | ************************************** | | | | | | |
| . (a) Applicable Con | struction CodeA | SME III 19 | 71 Edition | <u>W '72</u> Ad | ddenda, | N/A | _Code |
| (b) Applicable Edit | ion of Section'XI'Ut | ilized for Repairs | or Replacements | 19 80 thru W | '81 A | ddenda | |
| | 1
d | , # ' | • | | | No | |
| . Identification of Co | mponents Repaired | or Replaced and R | eplacement Con | ponents | | | |
| · · · · · · · · · · · · · · · · · · · | | , | | | <u> </u> | τ | |
| | | | | , | | ļ | ASN |
| | | 1 | | | | , | Cod |
| | | , , | National , . | | | Repaired, | Stam |
| Name of | Name of | Manufacturer | Board ' | Other | Year | Replaced,
or Replacement | Or N |
| Component | Manufacturer | Serial No. | No. | Identification | Built | | |
| | | | | , | | | |
| Pipe | | | 4 - | Dwg # SP-HRO | | | |
| Support | Bechtel | N/A | N/A | 236-H9001 | 1983 | Repaired | Ye |
| Pipe | Pack and | 37/4 | 37 / A | Dwg # SP-HRO
2520-H9002 | 1983 | Repaired | Ye |
| Support | Bechtel | N/A | N/A | 2520-H9002 | 1903 | Repaired | 16. |
| • | , i | | ** | | | | |
| 1 | | | | | | | |
| | | 1 | • | , | ı | | 1 |
| | | | • | | | | |
| · | | ú | | | | | |
| | | | | | | · · · · · · · · · · · · · · · · · · · | |
| Description of Work | Support Mo | dification | to Facili | tate RHR Heat | c Excn | anger insp | ecti |
| | | . — | | - ' - | _ | CTA | |
| , Tests Conducted: | Hydrostatic Pr | | | Pressure N | ione | ፟ . | |
| | Other Pressure | psi | Test Temp | | | | |
| | | | | | | | |
| NOTE: Supplement | ntal sheets in form o | fliste ekstahan a | e deswines meu l | he used ormined it i | tiza it 814 | . ln. x 11 in . (7) i | ULOLUA |

Page 18 of 100



| | , |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| . | Remarks Notice |
| | Applicable Manufacturer's Data Reports to be attached |
| | |
| | |
| | |
| • | |
| | |
| _ | |
| | We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. |
| | Type Code Symbol StampN/A |
| | Certificate of Authorization No. N/A Expiration Date N/A Signed Date November 12 19 86 |
| | Owner or Owner Designee, Title Superintendent of Plant |
| - | |
| 4 | CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta |
| | or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. |
| | Waltham, MAhave inspected the components describe |
| i | in this Owner's Report during the period AVG. 1, 1986 to Sep. 26, 1986, and state the |
| | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th |
| • | 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 employ shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th inspection. |
| | FACTORY MUTUAL SYSTEM NIBS IS |
| (| William P. Roy Liotte Commissions NB7950 PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements Date Nov 21 1986 |
| | |
| | Date No x Z I 19.86 |
| | |

(12/82)

See

Note 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 and Light Co. 10/8/86 Two North Ninth St., Allentown, PA 18101 Shéet\_\_\_\_ 2. Plant Susquehanna Steam Electric Station Unit Berwick, PA 18603 CWO C55531, PMR 85-3137 Repair Organization P.O. No., Job No., etc. 3. Work Performed by Pennsylvania Power & Light Co. None Type Code Symbol Stamp\_\_\_\_ N/A ¥. Authorization No.\_\_\_ Two North Ninth St., Allentown, PA 18101 Expiration Date\_\_\_\_ \$. 4. Identification of System Residual Heat Removal - S/U 249E 5. (a) Applicable Construction Code Section III 1971 Edition, Winter '72 Addenda, N/A (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80. Thru Winter 1981 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components 14 ASME Code Repaired. Stamped National Replaced, (Yes Name of Name of Manufacturer Board Other Year or Replacement or No) Component Manufacturer No. Serial No. Identification Built Small Pipe SP-GBB-N/A N/A **Bechtel** Subassembly 1983 Yes 218-1 Repair ,å; \$. 7. Description of Work Installation of a threaded pipe cap to provide a secondary containment isolation boundary. .-X 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure None Other Pressure\_\_\_\_\_psi Test Temp.\_\_\_\_ 1 NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) informstion 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. \*\*-This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017 (12/82)

Page 50 up 100

FORM NIS-2 (Back)

| | App | licable Manufacturer | Data Reports to be att | ached | |
|-----------------------------------|---------------------------------------------------------|-----------------------------------------|-----------------------------------|--------------------------------|-----------------------------------|
| | | | | | |
| | | | • | | |
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| | | | | | |
| | | | | | |
| | C | ERTIFICATE OF CO | MPLIANCE | | |
| | rtify that the statements made i | n the report are corre | ct and this repair | conforms | to the rules of th |
| ASME Code, Se | ction XI. | | repair or repli | ,
, | |
| | | | ı | | _ |
| Type Code Sym | bol Stamp N/A | | | | · · |
| | wheelessian Na N/A | | | 27/4 | |
| Certificate of Au | uthorization No. No. | <u> </u> | Expiration Date | N/A | |
| Signed | 1a Black | seales - | Date Novem | ber 12 | 19 86 |
| Owner | or Owner's Designee, Title St | perintendent | of Plant | | , 19 |
| | | | | | |
| | CER | TIFICATE OF INSE | rvice inspection | | |
| I, the undersigned or Province of | ed, holding a valid commission is
Pennsylvania and e | Bued by the National
mployed by ATKW | Board of Boiler and Progression & | ssure Vessel Inq
(fgrs. Mut | pectors and the St
ual Ins. Co |
| Waltham | MA | · · · · · · · · · · · · · · · · · · · | have in | spected the co | mponents describ |
| in this Owner's | Report during the period SE | P. 23, 1985 | 10 OUT 7 | 1986 | , and state ti |
| to the best of m | ny knowledge and belief, the O | wner has performed | examinations and taken | corrective meas | ures described in t |
| Owner's Report | In accordance with the requiren | rents of the ASME Co | ide, Section XI. | | |
| By signing th | nis certificate neither the inspec | ctor nor his employe | makes any warranty, | expressed or imp | plied, concerning |
| | nd corrective measures describe | | • | - | • |
| | any manner for any personal l | njury or property dan | - | • | |
| inspection. | | | FACTORY T | NUTUAL SYSTE | EM. |
| William | P. Rogen II | Commission | NB7980 PA | 2204 | NIBS IS |
| V-22- | R. Regen III Inepector e Signeture | Commissio | National Board, S | itate, Province, s | end Endorsements |
| | <i>y</i> | • | | | |
| Date Noy. Z | 1986 | | | | |

NOTE:

Partial removal of Non-ASME portion of SP-GBB-218-1, affecting ABR-2199

| | | ** | | | | 8 | 0 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------|-------------------|------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------|--------------------|
| . Owner Pennsy | lvania Power | & Light C | 0. | Date Oct | 27, | 1986 | |
| Two N. Ninth | St., Allent | own, PA 1 | 8101 | Sheet 1 | of | 4 - | - |
| . Plant <u>Susqueha</u> | anna Steam E | lectric St | ation | Unit II | ÷ | | |
| | 7, Berwick, Address | | | See Continu | ation | Sheet No. | <u>084</u>
•tc. |
| . Work Performed by | Pennsylvania | a Power & | Light Co. | Type Code Symbol | | _ | |
| | | | | Authorization No. | · | | |
| | Address | | | Expiration Date | | | |
| ldentification of Sys | stemResidua | l Heat Rem | oval/Shutd | own Cooling | Mode 2 | 49G I | |
| (a) Applicable Cons (b) Applicable Editi Identification of Con | on of Section XI Uti | ilized for Repairs | or Replacements | <sub>19_80/Winter</sub> | Addenda,_
81 A | N/A
ddenda | _Code |
| - | | | | | | | ASM |
| | Name of | ,
Manufacturer | National
Board | Other | Year | Repaired,
Replaced, | Coo
Stam |
| Name of
Component | Manufacturer | Serial No. | No. | Identification | Built | or Replacement | or N |
| Component | Manufacturer | Serial No. | No. | Identification | Built | · | or N |
| Component " 1500# s.s. BY Valve | | Serial No.
80754 | No.
N/A | Identification | Built
1985 | r Replacement Replace- ment | |
| Component " 1500# s.s. BY Valve " 1500# s.s. | Manufacturer Borg- Warner Borg- | 80754 | * | 2-51-103 | | Replace- | |
| " 1500# s.s. BY Valve " 1500# s.s. BY Valve | Manufacturer Borg- Warner | | * | | | Replace- | or N
Yes |
| Component " 1500# s.s. BY Valve " 1500# s.s. BY Valve " 1500# s.s. | Borg-
Warner
Borg-
Warner | 80754
80760 | N/A | 2-51-103 | 1985 | Replace-
ment
Replace-
ment
Replace- | Yes |
| " 1500# s.s. BY Valve " 1500# s.s. BY Valve " 1500# s.s. BY Valve | Borg-
Warner
Borg-
Warner
Borg-
Warner | 80754 | N/A | 2-51-103 | 1985 | Replace-
ment
Replace-
ment
Replace-
ment | Yes |
| Component " 1500# s.s. BY Valve " 1500# s.s. BY Valve " 1500# s.s. BY Valve " 1500# s.s. | Borg-
Warner
Borg-
Warner
Borg-
Warner
Borg- | 80754
80760
11768 | N/A
N/A | 2-51-103
2-51-104
2-51-107 | 1985
1985
1976 | Replace-
ment
Replace-
ment
Replace-
ment
Replace- | Yes
Yes |
| Component " 1500# s.s. BY Valve " 1500# s.s. BY Valve " 1500# s.s. BY Valve " 1500# s.s. BY Valve | Borg-
Warner
Borg-
Warner
Borg-
Warner
Borg-
Warner | 80754
80760 | N/A | 2-51-103 | 1985 | Replace- ment Replace- ment Replace- ment Replace- ment | Yes
Yes |
| | Borg-
Warner
Borg-
Warner
Borg-
Warner
Borg- | 80754
80760
11768 | N/A
N/A | 2-51-103
2-51-104
2-51-107 | 1985
1985
1976 | Replace-
ment
Replace-
ment
Replace-
ment
Replace- | Yes
Yes
Yes |
| Component " 1500# s.s. BY Valve " 1500# s.s. BY Valve " 1500# s.s. BY Valve " 1500# s.s. BY Valve " 1500# s.s. BY Valve Description of Work Tests Conducted: | Borg- Warner Borg- Warner Borg- Warner Borg- Warner Borg- Warner See (| 80754
80760
11768
80764
12265
Continuation | N/A N/A N/A N/A | 2-51-103
2-51-104
2-51-107
2-51-108
2-51-109
0. 3 | 1985
1985
1976
1985
1976 | Replace- ment Replace- ment Replace- ment Replace- ment Replace- ment Replace- | Yes |

(12/82)

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

Page 52 of 100.

| FORM NIS-2 (Back) | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 9. Remarks All applicable Manufacturer's Code Data Reports, (NPV-1 forms), | |
| Applicable Manufacturer's Data Reports to be attached attached. | |
| | |
| • | |
| | |
| . CERTIFICATE OF COMPLIANCE repair & | |
| We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. | 10 |
| Type Code Symbol StampN/A | |
| Signed | |
| Owner's Designee, Title Superintendent of Plant | _ |
| CERTIFICATE OF INSERVICE INSPECTION | |
| y, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the St
or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Co | |
| Waltham, MA have inspected the components described in this Owner's Report during the period Aug. 25, 1986 to Sep. 16, 1986, and state to | |
| to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the best of the best of the best of the best of the owner has performed examinations. | |
| 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 | |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed 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. FACTORY MUTUAL SYSTEM | |
| Marian motore state | |
| William R. Poque III Commissions NB7980 PA2204 NIBS IS Inspector's Signature Commissions National Board, State, Province, and Endorsements | — |
| Date Nov. 20 19 86 . | |

(12/82)

lage 53 of 100

| | | // ` U |
|----|------------------------------------------------------|---------------------------------------------|
| • | Owner Pennsylvania Power & Light Co. | Date Oct. 27, 1986 |
| ٠. | Neme | |
| | Two N. Ninth St., Allentown, PA 18101 | Sheet 2 of 4 |
| | , Address | |
| 2. | Man Susquehanna Steam Electric Station | UnitII |
| | Name | |
| | P.O. Box 467, Berwick, PA 18603 | See Continuation Sheet No. 3 & |
| | Ad dress | Repair Organization P.O. No., Job No., etc. |
| 3. | Work Performed by Pennsylvania Power & Light Co. | Type Code Symbol Stamp N/A |
| | Name | Authorization No. N/A |
| • | Two N. Ninth St., Allentown, PA 18101 | Expiration Date N/A |
| | Address | |
| ٤ | Identification of System Residual Heat Removal/Shutd | lown Cooling Mode 249G I |
| ٧. | realitingenen er eystern | |
| | | |

\*5. (a) Applicable Construction Code Section III19 71 Edition, Winter '72 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80/Winter '81 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of
Manufacturer | ,
Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year'
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
|-----------------------------|-------------------------|---------------------------------|--------------------------|-------------------------|----------------|------------------------------------------|-------------------------------------------|
| l" 1500# s.s
GBY Valve | Borg-Warner | 15280 | N/A | 2-51-110 | 1976 | Replace-
ment | Yes |
| l" 1500# s.s.
.GBY Valve | Borg-Warner | 80758 | N/A | 2-51-113 | 1985 | Replace-
ment | Yes |
| l" 1500# s.s
GBY Valve | Borg-Warner | 80755 | N/A | 2-51-114 | 1985 | Replace-
ment | Yes |
| 24" Pipe
Assembly | Bechtel | N/A | N/A | DCA-210-1 | 1983 | Repaired | Yes |
| 24" Pipe
Assembly | Bechtel | N/A | N/A | DCA-210-2 | 1983 | Repaired | Yes |
| %24" Pipe
«Assembly | PP&L | N/A | N/A | DCA-210-1 | 1986 | Replace-
ment | No |
| 24" Pipe
Massembly | PP&L | N/A | N/A | DCA-210-2 | 1986 | Replace-
ment | No |
| l" Small Pipe
Assembly | Bechtel | N/A | N/A | SP-DCA-210 | 1983 | Repaired | Yes |
| l" Small Pipe
Assembly | PP&L | N/A | n/a | SP-DCA-210 | 1986 | Replace-
ment | No |

. 1 4 E. *3*\*\*

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Fage 54 8/100

1. Owner Pennsylvania Power & Light Co.

Name

Two N. Ninth St., Allentown, PA 18101

Sheet 3 of 4

2. Manne Susquehanna Steam Electric Station Name

Unit \_\_\_\_II

Cate

Oct. 27

P.O. Box 467, Berwick, PA 18603

See Continuation Sheet No. 3

Receir Organization P.G. No., Job No., etc.

3. Work Performed by Pennsylvania Power & Light Co.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Oate N/A

Two N. Ninth St., Allentown, PA 18101

4. Identification of System Residual Heat Removal/Shutdown Cooling Mode 249G I

5. (a) Applicable Construction Code Section III 19 71 Edition, Winter '72 Addends, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80/Winter '81 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Neme of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
|---------------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| l" Small Pipe
Assembly | PP&L | N/A | N/A | SP-DCA-210- | 1986 | Replace-
ment | No |
| l" Small Pipe
Assembly | Bechtel | · N/A | N/A | SP-DCA-210-
H5014 | 1983 | Repaired
Replaced | Yes |
| l" Small Pipe
Support | PP&L | N/A | N/A | SP-DCA-210-
H5014 | 1986 | Replace-
ment | ИО |

7. Description of Work (Continued):

The installation of a high point vent and low point drain on both loops of the RHR Shutdown Cooling Discharge Lines between valves HV-251-F050'S and HV-251-F060'S and also the rework of the existing 1" test connection and associated support on the 50A equalizing line.

Repair Organization P.O. No., Job No., Etc. (Continued):

Design Documents:

PMR 86-9054 Installation of Vents and Drains "B" Loop RHR PMR 86-9055 Installation of Vents and Drains "A" Loop RHR

Non-Conformance Reports:

NCR 86-487 Fabrication and Installation of Vents and Drains Without an Approved PMR (PMR 86-9055).

NCR 86-488 Fabrication and Installation of Vents and Drains Without

1

State ... W

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| | | | / | <u> </u> | 25 | 1,100 |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|-------------------------------------------------|---------------|------------------------------------------|-------------------------------------------|
| Pennsylvania Power | & Light co | o. ' | Octob | ør ∙27, | 1986 | • |
| Two North Ninth St., Al | lentown, I | A 18101 | Sheet 4 | t | 4 | |
| Mana Susquehanna Steam Ele- | ctric Stat | ion | Unit II | | | * |
| P.O. Box 467, Berwick | , PA 1860 |)3 | See Be | elow | O. No., Job No., | ett. |
| Work Performed by Pennsylvani | a Power & | Light Co. | • | Stamp | N/A | |
| Two North Ninth St., Al | lentown, E | A 18101 | Expiration Data | | N/A | |
| Identification of System Residual | | | | | | |
| (a) Applicable Construction Code Section (b) Applicable Edition of Section XI Utili Identification of Components Repaired or | zed for Repairs | or Replacements | 1 <u>9 80 Wi</u> nter | | | Code Case |
| Name of Name of Component Manufacturer | Manufacturer
Serial No. | National
Board
No, | Other
Identification | Year
Suilt | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| Repair Organization, P.O. NCR 86-488 (Continued): NCR 86-590 | An appro
Internal | oved PMR (I
. Cleanline | PMR 86-9054) ess, Metal Cl of Vents and | hips F | | stem |
| Work Documents: | | | | | | |
| CWO C-66549 | Fabricat | | e Vent and D | rain À | ssemblies | For |
| CWO C-66550 | | ion of the | e Vent and Dr | rain A | ssemblies | For |
| CWO C-66557 | Installa | , • | igh Point Ver | nt Bet | ween Valve | s 2-51-060 |
| CWO C-66559 | and HV-2 | 51-F050A | w Point Drai | | | |
| CWO C-66566 | Support | of the 50A | sting Test Co
A Check Valve
Igh Point Ver | ≥ Equa | lizing Lin | e |
| CWO C-66567 | and 2-51
Installa | -F060B. | ow Point Dra | | | |
| CNO C-66602 | | and Reins
ness Verif | tallation of
ication | High , | Point Vent | Line for |

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| | | | | PAIRS OR REPLA
ASME Code Section | | igl <i>56 6f</i> | D 100 |
|-----------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------|----------------------------|-------------------------------------|-----------------------|------------------------------------------|-------------------------------------------|
| 1. Owner Pennsy | vlvania Power | & Light (| | Date Oc | et. 27, | // (/
1986 | |
| ıl. | Name
1 St., Allent | • | | Sheet 1 | | | |
| 2. Plant Susquer | nanna Steam E | lectric St | ation | UnitII | | | , |
| P.O. Box 467 | , Berwick, F | A 18603 | , | See Continu | iation
Inization P | Sheet No. | 3 & 4 |
| 3. Work Performed by | <u>Pennsylvani</u> | a Power & | Light Co. | Type Code Symbol | | | |
| Two N. Ninth | St., Allent | own, PA 1 | 8101 | Authorization No | | | |
| 4. Identification of Sy | A001455 | | | 249G II | <u>'</u> | | |
| 5. (a) Applicable Con(b) Applicable Edit6. Identification of Co | ion of Section XI Ut | ilized for Repairs | or Replacement | : 19 <u>80/Wi</u> nter | | | _Code Ca |
| Name of 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" 1500# c.s. | | 5000 | | | 1056 | Replace- | |
| GB-Y Valve
1" 1500# c.s. | Yarway | 5889 | None None | 2-51-105 | 1976 | Replace- | Yes |
| GB-Y Valve | Yarway | 6361 | None | 2-51-106 | 1976 | ment | Yes |
| 1" 1500# c.s. | | 5500 | | | | Replace- | |
| GB-Y Valve
24" Piping | Yarway | 5328 | None | 2-51-111 | 1976 | ment | Yes |
| Assembly | Bechtel | N/A | N/A | DBB-207-1 | 1983 | Repaired | Yes |
| 1" 1500# c.s.
GB-Y Valve | Yarway | 5 3 2 5 | None | 2-81-112 | 1976 | Replace-
ment | Yes |
| 7. Description of Work | See Contin | uation She | | | <u> </u> | , | 100 |
| | Hydrostatic 🔀 Pr
Other 🗍 Pressure_ | — | ominal Operating Test Temp | | | 15 Rev. 1
16 Rev. 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.

(12/82)

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| | • | U |
|------|---|---|
| Pa . | | |

| | | FORM NIS | -2 (Back) | | • - |
|--------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------|-----------------------|
| Remarks _ | All applicable | Manufacturer's Co | de Data Rep | orts, (NPV-1 f | orms) are |
| | attached. | Applicable Manufactur | er's Data Reports to | be attached | |
| • | | • | | • | |
| | | | _ | | |
| | | | | , | |
| | 1 . | CERTIFICATE OF | | | |
| | Ve certify that the state le, Section XI. | ments made in the report are co | rrect and this <u>rep.</u>
repair | Lacement conforms
or replacement | s to the rules of the |
| _ | , , , , , | b=. | à | Þ | |
| •• | Symbol Stamp | N/A | | | <u> </u> |
| Signed | of Authorization No. | N/A Sokeste Superintende | Date No | vember 12 | , <sub>19</sub> 86 |
| | | Superfucende | nt of Plant | | |
| | , s | CERTIFICATE OF INS | | | |
| or Province | of Waltham; MA | | wright Bosto | on Mfgrs. Mutu | al Ins. Co. |
| | | period July 25, 198
belief, the Owner has performe | | | , and state tha |
| | | the requirements of the ASME | | taken corrective measi | ries described in thi |
| " By signi | ng this certificate neith | er the Inspector nor his employ | er makes any warr | anty, expressed or imp | lied, concerning the |
| examination
thall be liab
repection. | ns and corrective meas
ole in any manner for a | ures described in this Owner's
ny personal injury or property d | amage or a loss of a | ore, neither the Inspect
ny kind arising from or
TORY MUTUAL SYS | connected with this |
| Dille | | Commiss | NB7980 | | NIBS IS |
| 1 | Inspectof's Signs | ature | National B | oard, State, Province, a | nd Endorsements |
| • | 0 | | | | |

(12/82)

Page 58 of 100

| • | Owner Pennsylvania Power & Light Co. | DeteOct. 27, 1986 | |
|-------|--------------------------------------------------------------------------|---------------------------------------------|-----|
| •• | Name | | |
| | Two N. Ninth St., Allentown, PA 18101 | Sheet 2 of 4 | |
| | , Address | | _ |
| 2. | Plane Susquehanna Steam Electric Station | Unit | ١ |
| •• | Name | • | _ |
| | P.O. Box 467, Berwick, PA 18603 | See Continuation Sheet No. 3 & 4 | 1 |
| | Ad dress | Repair Organization P.O. No., Job No., etc. | |
| 3. | Work Performed by Pennsylvania Power & Light Co. | Type Code Symbol Stamp N/A | |
| ٠. | Name | Authorization No. N/A | _ |
| | Two N. Ninth St., Allentown, PA 18101 | Expiration Date N/A | _ |
| | Address | | |
| 4. | Identification of System RHR Shutdown Cooling Mode | 249G II | |
| ** | | | |
| 15. , | (a) Applicable Construction Code Section III19 71 Edition. | Winter 172 Addends, N/A Code Ca | 100 |
| | (b) Applicable Edition of Section XI Utilized for Require or Reglacement | | |

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of
§' 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" Piping
Assembly | Bechtel | N/A | N/A | DBB-207-2 | 1983 | Repaired | Yes |
| l" small piping assembly | Bechtel | , 8.2/3.
N/A | N/A | **
SP-DBB-207-
1 | 1983 | Repaired
Replaced | Yes |
| ļ" small
piping
assembly | PP&L | N/A ' | N/A | SP-DBB-207- | 1986 | Replace-
ment | No |
| 24" piping
assembly | PP&L ~ | "N/A" | Ň/A | DBB-207-1-4 | 1986 | Replace-
ment | Ио |
| 24" piping assembly | . PP&L | N/A | N/A | DBB-207-2 | 1986 | Replace-
ment | No |
| l" small pipe assembly | PP&L | N/A | N/A | SP-DBB-207-
5 | 1986 | Replace-
ment | No |
| l" small pipe assembly | PP&L | N/A | N/A , | SP-DBB-207-
6 | 1986 | Replace-
ment | No |
| i" small pipe support | Bechtel | N/A | N/A | SP-DBB-207-
H1 | 1983 | Repaired | Yes |
| and the second | | | | | , | | |

k Z i X. \*\* -\*

| Electric Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of t | Page: 59 Of (N) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| | () · () · () |
| 1. Owner Pennsylvania Power & Light Co. | Oct. 27, 1986 |
| Two N. Ninth St., Allentown, PA 18101 | Sheet 3 of 4 |
| 2. Mem Susquehanna Steam Electric Station | Unit |
| P.O. Box 467, Berwick, PA 18603 | See Continuation Sheet No. 4 |
| 3. Work Performed by Pennsylvania Power & Light Co. | Type Code Symbol Stamp N/A |
| Two N. Ninth St., Allentown, PA 18101 | Authorization No. N/A Expiration Date . N/A |
| 4. Identification of System RHR Shutdown Cooling Mode | 249G II |
| 3. (a) Applicable Construction Code Section III 19 71 Edition. (b) Applicable Edition of Section XI Utilized for Repairs or Regiscements | |
| L Identification of Components Repaired or Replaced and Reglacement Corposcription of Work (Continued) | TOO nents |
| The installation of a low point drain on a Cooling Discharge Lines, between valves H | |
| The temporary removal and re-installation Cooling Keep Fill Line and associated supp | |
| And the RHR valve (HV-251F017A&B) replaces | ments. |
| Repair Organization P.O. No., Job No., Etc | <u>3.</u> |
| Design Documents: | |
| PMR 83-449A RHR Valves HV-251F017A&B valv | ve replacement |
| PMR 86-9054 Installation of vents and dra | ains "B" Loop RHR |
| PMR 86-9055 Installation of vents and dra | ains "A" Loop RHR |
| Non-Conformance Reports: | • |
| NCR 86-479 Weld Prep Out of Tolerance | |
| NCR 86-487 Installation of Vents and Drain NCR 86-488 Installation of Vents and Drain | ins Without an Approved PMR (PMR 86-9055
ins Without an Approved PMR (PMR 86-9054 |

NCR 86-510 Weld Wire Used by G.E. Produced Excessive Amounts of Porosity in Welds

"NCR 86-590 Metal Chips from the Installation of the Vents and Drains Found in

the System Missed Prep NDE on Support SP-DBB-207-1-H1 Item 3 NCR:86-626

Weld Wire Used on 17 Valve Replacements, Supplier Not on the ASQL NCR 86-637

Work Documents:

CWO C-66360 Hydrostatic Test RHR A Loop CWO C-66361 Hydrostatic Test RHR B Loop

CWO C-66362 RHR 17A Valve Replacement

CWO C-66363 RHR 17B Valve Replacement

CWO C-66365 Removal and Re-Installation of Interferences for the RHR 17B Valve Replacement

·U

| American Street Company | | lage 60 of 100 |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Owner Penn | sylvania Power & Light Co. | Oct. 27, 1986 |
| Two N. Ni | nth St., Allentown, PA 18101 | Sheet 4 of 4 |
| 2. Plane Susqu | ehanna Steam Electric Station | UnitII |
| P.O. Box | 467, Berwick, PA 18603 | Sce Below |
| 3. Wast Parlamen | | Regair Organization P.O. No., Job Ne., etc. |
| | Pennsylvania Power & Light Co. | The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s |
| Two N. Ni | nth St., Allentown, Pa 18101 | Authorization No. N/A Expiration Date N/A |
| | System RHR Shutdown Cooling Mode | |
| (D) Application | Components Repaired or Replaced and Replacement Components Repaired or Replacement Components Repaired or Replaced and Replacement Components Repaired or Replaced and Replacement Components Repaired or Replaced and Replacement Components Repaired or Replaced and Replacement Components Repaired or Replaced and Replacement Components Repaired or Replaced and Replacement Components Repaired or Replaced and Replacement Components Repaired or Replacement Components Repaired or Replacement Components Repaired or Replacement Components Repeared or Replacement Components Repeared or Replacement Components Repeared or Replacement Components Repeared or Replacement Components Repeared or Replacement Components Repeared Or Replacement Components Repeared Or Replacement Components Repeared Or Replacement Components Repeared Or Replacement Components Repeared Or Replacement Components Repeared Or Replacement Components Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared Or Repeared O | 19 80/Winter 1981 Addenda |
| | ization P.O. No., Job No., Etc., | - |
| Work Documen | | |
| CWO C-66366 | Removal and Re-Installation of Replacement | Interferences for the RHR 17A Valve |
| CWO C-66549 | Fabrication of Vent and Drain As | ssemblies for "B" Loop RHR |
| CWO C-66550 | Fabrication of Vent and Drain As | ssemblies for "A" Loop RHR |
| CWO C-66558 | Installation of Drain Line Betwee HV-215-F015A | een Valves HV-251-F017A and |
| CVO C-66568 | Installation of Drain Line Betwe | een Valves HV-251F017B and |

HV-215-F015B

- 1 ٠. A. 1. 1. \* 4. 7

| | | | | AIRS OR REPLA
SME Code Sectio | " " | is blo | 2/16 |
|-----------------------------------------------------------------------|----------------------------------------------------------------|----------------------------|--------------------------|-------------------------------------|------------------|------------------------------------------|-------------------------------------------|
| 1. Owner Pennsy | Name | , | • | | 4 | 1986 | |
| Two North N | Address | Lentown, Pa | A 18101 | Sheet1_o | of3 | · | |
| 2. Plant Susqueha | anna Steam E | lectric Sta | ation | UnitII | | | · |
| Berwick | ******* | | | WA U | 53006: | PMR 85-30 | 69 |
| | Address | . D (1 | | | | .O. No., Job No., | etc. |
| 3. Work Performed by | Pennsylvania | Name | | Type Code Symbol | | None
N/A | |
| Two North Nin | nth St., Alle | entown, PA | | Authorization No
Expiration Date | | N/A | |
| | Address | | | | | | |
| 4. Identification of Sys | stem Reactor | Core Isol | ation Cool | ing, System | 25UA | | |
| 5. (a) Applicable Cons (b) Applicable Editi 6. Identification of Cons | ion of Section XI Uti | lized for Repairs | or Replacements | 19 <u>80 th</u> ru W | ddenda,_
81 A | N/A .
ddenda | _Code Cas |
| Name of
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"-900 Check
Tilt Disc | Anchor
Darling | U2379 | 5305 / Hr | 249F014 | 1986 | Replacemen
Repair | t
Yes |
| 6"-900 Check
Tilt Disc · | Anchor
Darling | R377 | N/A | 249F014 | 1975 | Replaced | Yes |
| | | | | | | | |
| 7. Description of Work 8. Tests Conducted: | _ | | lting disc | | seat t | ilting disc | <u>.</u> |
| | Other Pressure | 1140 psi | Test Temp. | 350 °F | l eiza ia 01 | in v 11 in 121 i | nforms- |
| tion in items 1 throrecorded at the top | tal sheets in form of
ough 6 on this repor
of this form. | t is included on | each sheet, and (| 3) each sheet is nur | nbered an | d the number of | sheets is |

(12/82)

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

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FORM NIS-2 (Back)

| 9. Remarks Replacement disc was supplied by Anchor Darling Valve Company via A/DV |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicable Manufacturer's Data Reports to be attached , service order E-6599-1. Disc was reworked/repaired to original condition by |
| Anchor Darling Valve Co. via A/DV service order R-6978 after hinge pin holes wer |
| drilled in the wrong location. |
| |
| CERTIFICATE OF COMPLIANCE repair/ We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. |
| Type Code Symbol StampN/A |
| Certificate of Authorization No. N/A Expiration Date Signed Date November 12, 19.86 Owner or Owner's Designee, Title Superintendent of Plant |
| CERTIFICATE OF INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Coof Waltham. MA have inspected the components described in this Owner's Report during the period Sep 30, 1996 to Oct. 23, 1996, 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 SYSTEM |
| William R- Rogeroff Commissions NB7980 PA2204 NIBS IS Inspectof's Signature Commissions National Board, State, Province, and Endorsements |
| William R- Rogeroff Commissions NB7980 PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements Date_Nov. 19 19.36 |

(12/82)



FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section, XI FIGL 6.3 of 100

| | 71011042 | | | | ···· 10 | 1916 O.D. | <u> </u> |
|--------------------------|-----------------------------------------------|-------------------|------------------|-------------------|----------------|---------------------------------------|-------------|
| Donnaul. | mania Davon | s light Co | | Oc+ 3 | 7 100 | Į | V |
| 1. Owner Pennsyl | Valita Power | a might co | • | DateOct. 2 | . / , 190 | | |
| Two N. Ninth | St., Allento | wn, PA 18 | 101 | Sheet 1 | of3 | · · · · · · · · · · · · · · · · · · · | |
| 2. Plant Susqueh | anna Steam E | lectric St | ation | Unit_II | | | |
| | Name | | | | | | |
| P.O. Box 467, | Berwick, PA | 18603 | | See Continua | | heet No. 2 | |
| 3. Work Performed by | Pennsylvania | Power & L | ight Co. | Type Code Symbol | | N/A | |
| _ ' | | Name | | Authorization No. | | N/A | |
| Two.N. Ninth | St., Allento | wn, PA 18 | 101 | Expiration Date | | N/A | |
| 4. Identification of Sys | temReacto | r Core Inj | ection Coo | ling Steam S | Supply | 250B II | |
| 5. (a) Applicable Cons | truction Code_ 'Se | ction III49 | 71 EditionW | inter '72 A | ddenda | N/A | _Code Case |
| (b) Applicable Editi | on of Section X1 Uti | lized for Repairs | or Replacements | 19_80/Winter | '81 7 | ddenda | |
| 6 Identification of Co. | moonante Pansimal a | s Paglaced and F | Panlasamant Cam | | | • | • |
| 6. Identification of Co | Inponents Nepaned C | or Nepiaced and P | replacement Con | iponents | | | |
| ď | | } | 1 | | } | | ASME |
| | | | 1= h1= * | ĺ | 1 | | Code |
| ₩ | | ' | National | | 1 | Repaired, | Stamped |
| Name of | Name of | Manufacturer | Board | Other | Year | Replaced, | (Yes |
| Component | Manufacturer | Serial No. | No. | Identification - | Built | or Replacement | or No) |
| Al. | Ts. | , | Ì | } | 1 | l | |
| ۵. | | | <u> </u> | <u> </u> | | <u> </u> | |
| 4" 900# c.s. | Anchor | E-5853- | Ì | ĺ | ļ | | 1 1 |
| GB Valve | Darling | 98-1 | N/A | HV-250F045 | 1976 | Replaced | Yes |
| 4" 900# c.s | Anchor | E-6511- | | | | Replace- | |
| GB Valve | Darling | 11-1 11 | " N/A | HV-250F045 | 1985 | ment | Yes |
| Lg Pipe | | r• | | | | Repair | |
| Assembly | Bechtel | N/A | N/A | DBB-209-2 | 1984 | Replaced | Yes |
| Lg Pipe | | | | | 1 | Replace- | |
| Assembly | PP&L | N/A | N/A | DBB-209-2 | 1986 | ment | No |
| Lg Pipe | | .,, | | | - | Repair | |
| Support | Bechtel | N/A | N/A | DBB-209-H51 | 1984 | Replaced | Yes |
| , n | | | | _ | | | |
| 7. Description of Work | See Co | <u>ntinuation</u> | Sheet No. | | | | |
| 8. Tests Conducted: . | | | ominal Operating | | | | |
| 9 | Other Pressure_ | 1550 psi | Test Temp | | | lro/CWO C-6 | 6590 |
| * | | 1560 | | 74 TF | 250 - 0 | 10 Rev. 0 | |
| tion in items 1 thro | tal sheets in form of
ough 6 on this repor | | | | | | |
| recorded at the top | or mis form. | | | • | | | |
| | | | | | | | |



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

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| | FORM NIS-2 (Back) | | | |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 9. | Remarks All applicable Manufacturer's Code Data Reports (NPV-1 forms) | | | |
| - | Applicable Manufacturer's Data Reports to be attached are attached. | | | |
| | | | | |
| | • | | | |
| | CERTIFICATE OF COMPLIANCE repair & We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. | | | |
| | Type Code Symbol Stamp None | | | |
| | Signed | | | |
| _ | CERTIFICATE OF INSERVICE INSPECTION | | | |
| | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Conf. Waltham, MA have inspected the components described | | | |
| | in this Owner's Report during the period SEP: 15, 1986 to Oct. 73, 1986, 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 SYSTEM | | | |
| | Date Nov. 20 1986 | | | |
| | Date_Nov. 20 19.86 | | | |

(12/82)

| Page | _65 | Sh | 100 | |
|------|-------------|----|-----|----|
| | | U | | == |

| | | | | V | | | |
|-----------------|-----------------------------------------------------------------------|---------|---------|------------|---------|---------------------|-------------|
| 1. | Owner Pennsylvania Power & Light Co. | | Date_ | Oct. | 27, | 1986 | |
| •• | Name | | | | | | |
| | Two N. Ninth St., Allentown, PA 18101 | • | Sheet_ | 2 | . of | 3 | |
| | , Address | | | | | | |
| 2. | Man Susquehanna Steam Electric Station | | Unit_ | II | | | |
| | Name | | | | | | |
| • | P.O. Box 467, Berwick, PA 18603 | | See | Contin | uati | on Sheet No. | 2 & 3 |
| | Ad dress | | | Repair On | panizet | en P.O. No., Joo No |)., etc. |
| • | Work Performed by Pennsylvania Power & Light | Co. | Tuna C | ada Pumb | | oN/A | |
| J. | Name | • | | ization No | | | |
| | Two N. Ninth St., Allentown, PA 18101 | | | ion Date | | N/A | |
| , | Address | | | | | | |
| ₩
• 4. | Identification of System Reactor Core Injection | Coo | ling | Steam | Supp | ly 250B II | |
| ٠, | | | | | ß | | |
| 达.
5. | (a) Applicable Construction Code Section III19 71 Edit | tion, . | Wint | er 172 | Adden | de. N/A | Code Cas |
| 4 | (b) Applicable Edition of Section XI Utilized for Repairs or Replacer | menti | 19_8 | 0/Wint | er ' | 81 Addenda | |
| 7 | | | | | | | |
| б. | Identification of Components Repaired or Replaced and Replacemen | t Con | ndonent | 3 | * | | |

| Š | Name of
Component | Name of
Menufacturer | ⇒ -
Manufacturer
Serial No. | National
Board
No, | Other
Identification | Year
Built | Repaired,
Regisced,
ar Regiscement | ASME
Code
Stamped
(Yes
or No) |
|-----|----------------------|-------------------------|-----------------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| ů, | Lg Pipe
Support | PP&L | N/A | N/A | DBB-209-H51 | 1986 | Replace-
ment | No |
| į | | , | | | · Assign | | | |
| 1 × | | | | | | | | |

Description of Work (Continued):

The replacement of valve HV-250F045 and the expander flange on the down stream side of the valve.

Plus the replacement of the valve stem and modification of support DBB-209-H51 to allow for the installation of the replacement valve.

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

Design Documents:

Replacement of RCIC steam supply turbine isolation valve HV-250F045 ⇒ PMR 86-9051 Non-Conformance Reports:

NCR 86-0652 Min wall violation on DBB-209-2 between weld Nos. 24 & 15

| | | Page. Int of 10 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| 1. | Owner Pennsylvania Power & Light Co. | Oct. 27, 1986 |
| | Two N. Ninth St., Allentown, PA 18101 Address Susquehanna Steam Electric Station | Sheet 3 of 3 |
| 2. | P.O. Box 467, Berwick, PA 18603 | See Below |
| 3. | Werk Performed by Pennsylvania Power & Light Name | Authorization No. N/A |
| 4. | Two N. Ninth St., Allentown, PA 18101 Address Identification of System Reactor Core Injection C | expiration Date |
| 5. | (a) Applicable Construction Code Section TTI19 71 Ed
(b) Applicable Edition of Section XI Utilized for Repairs or Replace | Htion, Winter '72 Addends N/A Code Case canents 19 80/Winter '81 Addenda |
| 6. | Identification of Components Repaired or Replaced and Replaceme | int Components |
| | Work Documents: | |
| | CWO C-66588 Valve HV-250F045 Replace
CWO C-66589 Replace stem in new 45 v
CWO C-66590 Shop hydrostatic test fo
CWO C-66591 Hydrostatic test as per | ralve
or weld No. 23 |

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| | , | | | | PAIRS OR REPLA
ASME Code Sectio | • | <u>602.676</u> | <u> </u> |
|-----|---------------------------------------------------------------------------|------------------------------|----------------------------|--------------------------|------------------------------------|------------------|------------------------------------------|-------------------------------------------|
| | 1. Owner Pennsyl | vania Power | & Light Co |) | Date Octobe | r 31, 8 | (d) 86 | |
| | Two North Ni | nth St., Al | lentown, PA | 18101 | Sheet 1 |)
f | | <u>., </u> |
| | 2. Plant Susqueha | nna Steam E | | tion | Unit2 | 5-3072 | | |
| | . Berwick, | PA 18603 | • | | WA-U5 | | * | |
| | | Address | | | Repair Orga | nization P. | O. No., Job No., | tc. |
| | 3. Work Performed by_ | Pennsylvan: | La Power & | Light Co. | Type Code Symbol | Stamp | N/A | |
| | | | Name | | Authorization No. | | N/A | |
| | Two North Ni | nth St., Al. | lentown, PA | 18101 | Expiration Date | | N/A | |
| | 4. Identification of Syst | , | (System 252 | A - Class | 2) | | | |
| | 5. (a) Applicable Const (b) Applicable Edition 6. Identification of Const | on of Section XI Ut | ilized for Repairs | or Replacement | s 19 <u>80, W</u> inte | | n/a | Code Ca |
| | Name of
Component | ,
Name of
Manufacturer | Manufacturar
Serial No. | National
Board
No. | Other
Identification | , Y,ear
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| - (| 14" - 900 Tlt | | | | - | | Replace- | |
| | , | Anchor/ | 112422 | 37 / A | 2555005 | 1 | · . | Vac |
| | Disc Ck Disc | Darling | U2432 | N/A | 255F005 | 1986 | ment | Yes |
| | Disc Ck Disc | | U2432
E870 | N/A
N/A | 255F005 | 1986
1975 | ment | Yes |
| | Disc Ck Disc | Darling
Anchor/ | , | | | | · . | |
| | Disc Ck Disc | Darling
Anchor/ | , | | | | ment | |
| | Disc Ck Disc | Darling
Anchor/ | , | | | | ment | |

| | Replace original disc with a new dual seat disc, thus improving |
|-----------------------|-----------------------------------------------------------------|
| . Description of Work | backflow sealing at low pressures. |

| 8. | Tests Conducted: | Hydrostatic 🔲 | Pneumatic 🔲 | Nom | ninal Operatio | g Pressure | (X) |
|----|------------------|---------------|-------------|-----|----------------|------------|------------|
| | | Other Pressu | 1275 | psi | Test Temp | 250 | °, |

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

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

Page 68 of 100



| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement Type Code Symbol Stamp None None Certificate of Authorization No. N/A Expiration Date N/A Signed Owner or Owner's Designee, Title Certificate of Negations and completion and employed by Arkwright Boston Magrs. Nutual Ins. Co. Waltham, Mass in this Owner's Report during the period Aug. 19, 1986 Waltham, Mass have inspected the components described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector or his employer damage or a loss of the inspection mapped to the components of examinations and corrective measures described in the 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 to examinations and corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector or nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector or nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector or nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector or nor his employer. Commissions NB7980 PA204 NIBS IS Inspector Yeleneture Commissions NB7980 PA204 NIBS IS | • | | | FORM NIS-2 (E | lack) | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------|------------------|--------------------|----------------|---------------------|----------------------------|
| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of th ASME Code, Section XI. Type Code Symbol Stamp None N/A Expiration Date N/A Signed Owner or Owner Ocesiphes, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Arkwright Boston Mfgrs. Nutual Ins. Co. Waltham, Mass in this Owner's Report during the period Aug. 19, 1986 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 t examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor onnected with the inspection. Commissions NB7980 PA2204 NIBS IS | 9. Remarks | See Manufac | cturers N-2 | Data Repor | rt attach | ed. | x |
| We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp None N/A Expiration Date N/A Signed Owner or Owner's Designee, Title Superintendent of Plant CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. Waltham, Mass have inspected the components describe in this Owner's Report during the period Aug. 19, 1986 To the best of my knowledge and belief, the Owner, has performed examinations and taken corrective measures described in the 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 to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty. | | | Applicabl | e Manufacturer's i | Data Reports t | o be attached | |
| We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp None N/A Expiration Date N/A Signed Owner or Owner's Designee, Title Superintendent of Plant CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. Waltham, Mass have inspected the components describe in this Owner's Report during the period Aug. 19, 1986 To the best of my knowledge and belief, the Owner, has performed examinations and taken corrective measures described in the 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 to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty. | ****** | | <u> </u> | | ` | | |
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| Certificate of Authorization No. N/A Expiration Date N/A Signed Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Store or Province of Penna and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. Waltham, Mass In this Owner's Report during the period Aug. 19, 1986 To the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 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 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 makes any warranty. Sommissions NB7980 PA2204 NIBS IS | ASME Code | , Section XI. | | | repair | or replacement | • |
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| Signed Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. Waltham, Mass have inspected the components describe in this Owner's Report during the period Aug. 19, 1986 to Sep. 23, 1986, and state the "to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 the Inspection. Commissions NB7980 PA2204 NIBS IS | Type Code S | Symbol Stamp | None | | · | | |
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| i, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. Waltham, Mass have inspected the components described in this Owner's Report during the period Aug. 19, 1986 to Sep. 23, 1986, and state the "to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 employ "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. Commissions NB7980 PA2204 NIBS IS | | | Super | <u>intendert</u> | of Plant | ····· | |
| or Province of Penna and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. Waltham, Mass have inspected the components describe in this Owner's Report during the period Aug. 19, 1986 to Sep. 23, 1986, and state the "to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 employement of the Inspector nor his employement of the Inspector nor his employement. 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. Commissions NB7980 PA2204 NIBS IS | ÷ | • • | CERTIFIC | ATE OF INSERV | ICE INSPECT | ION | |
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| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ "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. FACTORY MUTUAL SYSTEM Commissions NB7980 PA2204 NIBS IS | <i>*</i> | | | • | | | |
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| "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. FACTORY MUTUAL SYSTEM Commissions NB7980 PA2204 NIBS IS | | - | | | • | | • • |
| William R. Roger III Commissions NB7980 PA2204 NIBS IS | | | | | e or a loss of | any kind arising fr | om or connected with th |
| Commissions HD1 300 TABBOT | inspection. | • | | | FAC | LIORY MUTUA | L SYSTEM |
| Inspector of Signature National Board, State, Province, and Endorsements | Wille | an R. Roge | w III | Commissions | NB7980 | | |
| | 40 | Inspector | iture | | National B | laerd, State, Provi | nce, and Endorsements |
| | Date Nov | | 19_ <i>86</i> | | | | |

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| | As Requir | red by the Prov | visions of the A | SME Code Section | n XI | 94.69 | 0/10 |
|---------------------------------------|-------------------------------------------------|--------------------|------------------------|-------------------|--------------|------------------------|---------------------------------|
| 1. Owner Pennsylv | vania Power & | Light Co. | ·
 | Date Octobe | r 31; | () 86 | |
| | nth St., Alle | | | Sheet 1 | of1 | | |
| | | | | Unit2 | | | <u></u> |
| 2. Plant Susqueha | | | | Unit | · | | |
| P.O. Box | 467, Berwic | k, PA 186 | 03 | * See | Below | .O. No., Job No., | etc. |
| . Work Performed by | Pennsylvani | a Power & | Light Co. | | | | |
| | | | | Authorization No. | | N/A | |
| Iwo north Mir | nth St., Aller | ncown, PA | 10101 | Expiration Date | | N/A | |
| , Identification of Sy | stem HPCI (Sy | stem 252B | - Class 2) | <u> </u> | | | |
| i. Identification of Co | mponents Repaired o | r Replaced and F | Replacement Com | ponents | | | |
| Name of | Name of | Manufacturer | پ
National
Board | Other | Year | Repaired,
Replaced, | ASME
Code
Stamped
(Yes |
| Component | Manufacturer | Serial No. | No. | Identification | Built | or Replacement | or No) |
| Small Pipe
Support | Terry Steam
Turbine Cp. | N/A | N/A | SP-SK-72-
H18 | 1974 | Replaced
Repaired | No |
| 1/2" CBB
Globe | Yarway | A-1125 | None ' | LO-2-5 | 1977 | Replace-
ment | Yes |
| | | , | - | | | <u> </u> | |
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| · · · · · · · · · · · · · · · · · · · | | | | | · | | • |
| Description of Work | Replacement HPCI Lube Oi | | alve, and | installation | or sa | mpre conne | Ction |
| Tests Conducted: | Hydrostatic Pne | | ominal Operating | Pressure [X] | | | |
| | Other Pressure | | Test Temp | | | | |
| | ital sheets in form of
ough 6 on this report | lists, sketches, o | or drawings may t | | | | |

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

\* PMRs 85-3070 & 85-8036 CWOs C-55791, C-55792, C-55793, C-66487, C-66481 and C-66482 Page 70 of 100

FORM NIS-2 (Back)

| iv. | | Applicab | le Manufacturer's | Data Reports t | o be attached | • |
|-------------------------------------------|---------------------------|-------------------------------------------------|---------------------------------------|----------------|----------------------|-------------------------------------------------|
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| , a | | | IFICATE OF CO | | | 1 |
| . We co | | ements made in the | report are correc | | DIACEMENT CONF | orms to the rules of the |
| ASME CODE, S | iction AI. | £; | | • | | |
| * | | ,3 | | | | , |
| Typę Code Sym | ibol Stamp | None | | | | |
| | | N/A | , | | | |
| Certificate of A | uthorization No | 1 2 1 2 |) ^ | Expiration D | ate | |
| Signed | | aBloke | Alex | Date | November 12 | 19_86 |
| Owne | r or Owner's Desig | mee, Title Sup | erintenden | t of Plan | t | |
| | | | · · · · · · · · · · · · · · · · · · · | | | |
| * | | | CATE OF INSER | | | Inspectors and the State |
| or Province of | | | | | | Mutual Ins. Co |
| | Waltham, M | lass " | | | have inspected , the | components described |
| | | ne period DEC. | | | sp. 8,1986 | , and state tha |
| - | <i>f</i> . | B 11 | | | d taken corrective n | neasures described in thi |
| | | h the requirements | | • | | . Incelled commonstant th |
| | | | | | | implied, concerning the spector nor his employe |
| | | | | | | m or connected with thi |
| inali de liable i | | * | , | | TORY MUTUAL | |
| ihall be l <u>ja</u> ble i
Inspection, | | | | NB7980 | PA2204 | NIRS TS |
| inspection, | P.P. | ^ 111" | | | | |
| inspection, | R. Evolus | o <i>III</i>
nature | Commission | 3 | | ce, and Endorsements |
| inspection, | R. Programmes Report Sign | o <i>III</i> ********************************** | Commission | 3 | | ce, and Endorsements |

(12*)*(1

| | | | | AIRS OR REPLAC | | s
194. 71 Oj | <u>l 100</u> |
|--------------------------|----------------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| 1. Owner Pennsy | lvania Power | & Light C | 0. | Date Octobe | r 27, | 1986 | |
| Two North Nin | th St., Alle | ntown, PA | 18101 | Sheet o | 13 | 1 | |
| 2. Plant Susqueha | nna Steam El | ectric Sta | tion | UnitII | | e | |
| P.O. Box | Name
: 467, Berwic
Address | k, PA 186 | 03 | | | tion Sheet | |
| 3. Work Performed by | Pennsylvani | a Power & | Light Co. | Type Code Symbol | Stamp | N/A | |
| | | Name | | Authorization No | | N/A | |
| Two North Nin | th St., Alle | ntown, PA | 18101 | Expiration Date | | N/A | |
| 4. Identification of Sy | | | | ii . | | | |
| 6. Identification of Co | | | | s 19 <u>80 Wi</u> nter | | <u> </u> | |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| 3" 150# SS | Borg- | 72907 | N/A | 2-48-011 | 1981 | Repaired | Yes |
| Gate Valve | Warner | 72907 | N/A | 2-40-011 | 1901 | Replace- | |
| 3" 150# SS
Gate Valve | Borg-
Warner | 72907 | N/A | 2-48-011 | 1981 | ment | Yes |
| 3" 150 SS | Borg- | 12701 | **/ ** | 2 70 011 | | | |
| Gate Valve | Warner | 72913 | N/A | 2-48-012 | 1981 | Repaired | Yes |
| 3" 150# SS | Borg- | | | | | Replace- | |
| Gate Valve | Warner | 72913 | N/A | 2-48-012 | 1981 | ment | Yes |
| 2" 1500# SS | Borg- | , -, -, | | | - | Replace- | |
| Gate Valve | Warner | 17984 | N/A | 2-48-F014 | 1976 | ment | Yes |
| 7. Description of Work | | inuation S | heet No. | 3 | | | |

| 8. | Tests Conducted: | Hydrostatic 🟋 | Pneumatic N | ominal Operatio | g Pressure | | |
|----|------------------|---------------|--------------------|-----------------|------------|----|------------|
| | | Other Pressu | ıre <u>110</u> psi | Test Temp | 85 | °F | TP-253-001 |

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.

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Page 72 of 100

| | 6 |
|---------|-----------------------------------------------------------------------------------------------------------------------------------|
| | FORM NIS-2 (Back) |
|). Re | emarks The new Borg-Warner valve serial numbers 72907, 72913, and 17984 |
| | Applicable Manufacturer's Data Reports to be attached |
| _ | manufacturer's data reports are attached. |
| _ | |
| _ | |
| | v |
| _ | |
| | |
| | CERTIFICATE OF COMPLIANCE repair/ |
| | We certify that the statements made in the report are correct and this replacement conforms to the rules of the |
| | |
| Α | SME Code, Section XI. |
| | |
| т. | ype Code Symbol StampNone |
| • | |
| _ | ertificate of Authorization No. N/A Expiration Date N/A |
| | ermicate of Admonización No. |
| | open Substitution Date November 12 19 86 |
| Si | Owner of Owner's Designee, Title Superintendent of Plant |
| | Super Inceptuent of Franc |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | , the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State |
| ١, | r Province of Pennsylvania and employed by Arkwright Bostom Mfrgs. Mutual Ins. Coof |
| 0 | Waltham, MA have inspected the components described |
| -
ir | this Owner's Report during the period MAY 9, 1986 to AUG. 21, 1986, and state that |
| te | o 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 |
| e | xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| şi | hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this |
| ir | nspection. FACTORY MUTUAL SYSTEM |
| / | William R. Rogusti Commissions N87980 PA2204 NIBS IS |
| 1 (| Inspector's Signature Commissions National Board, State, Province, and Endorsements |

Page 73 of 100

| • | Owner Pennsylvania Power & Light Co. | Oats October 27, 1986 |
|-----|--------------------------------------------------------------------------|---------------------------------------------|
| •• | Name | , |
| | Two North Ninth St., Allentown, PA 18101 | Sheet 2 of 3 |
| | . Address | |
| 2. | Plan Susquehanna Steam Electric Station | Unit II |
| | Name | |
| | P.O. Box 467, Berwick, PA 18603 | See Continuation Sheet No. |
| | Ad dress | Repair Organization P.O. No., Job No., etc. |
| 3. | Work Performed by Pennsylvania Power & Light Co. | Type Code Symbol Stamp N/A |
| | Name | Authorization No. N/A |
| ÷ ' | Iwo North Ninth St., Allentown, PA 18101 | Expiration Data N/A |
| | Address | |
| 4. | Identification of System StandBy Liquid Control 253A | II |
| | | |
| 5. | (a) Applicable Construction Code ASME III 19 71 Edition, | Winter '72 Code Cae |
| | (b) Applicable Edition of Section XI Utilized for Repairs or Replacement | u 19 <u>80 Wi</u> nter '81 Addenda |

6. Identification of Components Repaired or Replaced and Replacement Components

| | Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME Code
Stamped (Yes
or No) |
|-------------|--------------------------|-------------------------|----------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------|
| t. | 1" 1500 SS
Gate Valve | Borg-
Warner | 14963 | . N/A | 2-48-F014 | 1976 | Replaced | Yes |
| -J | Pipe
Sub Assembly | PP&L | N/A | N/A | HCB-205-1 | 1986 | Replace-
ment | No |
| † ** | Pipe
Sub Assembly | Bechtel | N/A | N/A | HCB-205-1 | 1983 | Repaired
Replaced | Yes |
| ų. | Sm. Pipe
Sub Assembly | PP&L | N/A | N/A " | SP-HCB-
205-1 | 1986 | Replace-
ment | No |
| , | Sm. Pipe
Sub Assembly | Bechtel | N/A | N/A | SP-HCB-
205-1 | 1983 | Replaced | Yes |
| ,
ø | Pipe
Support | PP&L | N/A | N/A | HCB-205-H53 | 1986 | Replace-
ment | No |
| * | Pipe
Support | PP&L | n/A | N/A | HCB-205-H54 | 1986 | Replace-
ment | No |
| الأم | Sm. Pipe
Support | Bechtel | N/A | N/A | SP-HCB-
205-H57 | 1983 | Repaired | Yes |
| | Pipe
Support | Bechtel | N/A | N/A | нсв-205-н3 | 1983 | Repaired | Yes |

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Page 74 of 100.

| | | _/= | | | | |
|--------|----------------------------------------------------------------------|------------|---------------|-------------|-----------------|----------|
| | | U | , | \cup | | |
| 1 04 | Pennsylvania Power & Light Co. | Date | Oct | ober 27 | 7, 1986 | |
| • | Name | | | | | |
| Two | North Ninth St., Allentown, PA 18101 | Shee | 3 | _ of | 3 | |
| _ | Address | | | | ,i | |
| 2. Pis | Susquehanna Steam Electric Station | Unit | II | | | |
| | Neme | | | | | |
| | P.O. Box 467, Berwick, PA 18603 | | See | Below | | |
| _ | Address | | Repair O | rganization | P.O. No., Job N | o., etc. |
| | ork Performed by Pennsylvania Power & Light Co. | | | | N/A | |
| 3. W | Name . | | | | N/A | |
| | | Auth | iorization No | o | | |
| Two | North Ninth St., Allentown, PA 18101 | Expi | ration Date. | | N/A | |
| | Address | | | | | |
| 4. Ide | intification of System StandBy Liquid Control 253 | A II | | | ` | |
| | | | | | | |
| 5. (a) | Applicable Construction Code ASME III 19 71 Edition, | . <u>W</u> | inter | Z Addenda, | N/A | Code Ca |
| (b) | Applicable Edition of Section XI Utilized for Repairs or Replacement | ts 19_ | 80 Wint | er '81 | Addenda | L |
| | | | · | | | |
| 6. Ide | ntification of Components Repaired or Replaced and Replacement Co | mpone | ints | | | |
| | | | · | | | |
| | | | | | | |

| | Name of
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 |

DESCRIPTION OF WORK (continued)

Installation and rework of the Stand-By Liquid Control System (SBLC) pump suction piping, valves and associated supports between:

- SBLC storage tank 2T-204
- SBLC pumps 2P-208 A&B
- SBLC test tank isolation valve 2-48-F031
- Demin water to SBLC isolation valve 2-48-F014

REPAIR ORGANIZATION P.O. NO., JOB NO., ETC. (continued)

Design Document PMR 85-3098B

Work Documents: CWO C-66245 Modify new 3" Borg-Warner gate valves serial

numbers 72907 and 72913

| CWO C-66320 | Installation of Support HCB-205-H53 |
|-------------|---------------------------------------------------|
| CWO C-66248 | Pre-Fabrication of Piping Spools |
| CWO C-66253 | Installation / Rework of SBLC Piping, Valves, and |
| | Supports |

CWO C-66254 Hydrostatic Test

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| 1 | | |
|---|---|---|
| | | Ţ |
| • | 3 | |

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

| | | As Requi | red by the Prov | isions of the A | SME Code Section | I XI P | agi 15 1 | 9/1U |
|--------------|----------------|----------------------------------------------------------------|--------------------------------------------|------------------------------------|---------------------------------------------------|-------------------------|------------------------------------------|-------------------------------------------|
| 1. Owner_ | Penns | sylvania Powe | r & Light | Co. | Date 12/04/ | 84 | 0 | 0 |
| | Two N | | , Allentow | m, PA 1810 | gheet 1 of | 3_ | | _ |
| 2, Plant | | Address
iehanna Steam | | | Unit #2 | • | ** | |
| 2. 710111 | | Name | | | PMR'S 83-592 | | ** ; | |
| | Berwi | .ck, PA. 1860 | 13 | (| CWO'S C-4442 | | C-44443) | etc. |
| 3. Work Pe | rformed by | Pennsylvani | a Power & | Light Co. | Type Code Symbol S | | 4 . | |
| | | | Name | | Authorization No. | | N/A | |
| | Two N. | Stin Street, | Allentown, | PA. 18101
سند | Expiration Date | | N/A | |
| 4. Identific | ation of Sv | stem Emerge | ncy Servic | e Water L | (System 254A) | 0,0 | 1.3 | |
| (b) App | licable Edit | struction Code_ASM | E III 19 | 71 Edition, Volume or Replacements | Vinter '/2 AG | ddenda,_ | /. | _Code Case |
| l | ne of
onent | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification
System Valve
Number | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| 2" Glob | e Vlv | Henry Vogt | 7-215095 | NONE | 2-53-500 | 1984 | Replacemen | t YES |
| 2" Glob | e Vlv | Henry Vogt | 11-215095 | NONE | 2-53-501 | 1984 | Replacemen | t YES |
| | | | | , | | | | |
| 7. Descript | ion of Work | | | | VES IN EMERGE
IAMMER PREVEN | | | |
| 8. Tests Co | nducted: | Hydrostatic X Protection Pressure_ | | ominal Operating
Test Temp | | | | |
| tion in | items 1 thr | ntal sheets in form o
ough 6 on this repor
of this form, | f lists, sketches, or
it is included on | or drawings may
each sheet, and | be used, provided (1)
(3) each sheet is num | size is 8%
abered an | i in. x 11 in., (2) i
d the number of | nforma-
sheets is |

Page 74 of 100

| ž., | FORM NIS-2 (Back) |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ŝ. | Remarks SEE ATTACHED MANUFACTURERS DATA REPORT FOR TWO EACH 2" GLOBE VALVES. |
| , , | Applicable Manufacturer's Data Reports to be attached |
| • | , |
| | |
| ř | |
| ٠, | • |
| r | |
| | CERTIFICATE OF COMPLIANCE The statements made in the report are correct and this replacement conforms to the rules of the |
| | ASME Code, Section XI. |
| | |
| | Type Code Symbol Stamp NONE |
| ľ | Certificate of Authorization No. N/A Expiration Date N/A |
| | |
| | Signed Owner or Owner's Designee, Title Date 12-1,2-54, 19 |
| L | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| 73 | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNA. and employed by ARKWRIGHT BOSTON MFGRS MUTUAL INS. CO. of |
| , | WALTHAM MASS. have inspected the components described |
| | in this Owner's Report during the period OCT. 24.1984 to NOV. 24, 1984, 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 SYSTEM |
| ľ | William R. Rogas TIT Commissions PA2204 NB 7980 NIBS Inspector's Signature National Board, State, Province, and Endorsements |
| | |
| | Date DEC. 13 1984 |

| 1. Owner Pennsy | Name | | · · · | Date July | | - | |
|--------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------|--------------------------|----------------------------------|---------------|------------------------------------------|----------------------------------------|
| Two North N | inth St., Al | lentown, PA | 18101 | Sheet 1 | <u>{</u> | | |
| 2. Plant Susqueh | anna Steam E
Name | lectric Sta | ation | UnitII | | | |
| Berwick | , PA 18603 | | | | | 3/PMR 85-80 | |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | a Pariam E. I | idaha Ca | | | .O. No., Job No., | etc. |
| 3. Work Performed by | remisylvani | Name | right co. | Type Code Symbol | | None
N/A | |
| Two North Ni | nth St., All | entown, PA | 18101 | Authorization No Expiration Date | | N/A | |
| | Address | | | | | | |
| I. Identification of Sy | stemEmerge | ency Servic | e water, | S/U 254A-III | | | |
| (a) Applicable Cons
(b) Applicable Editi Identification of Cons | lon of Section XI Ut | ilized for Repairs | or Replacement | 19 <u>80 th</u> ru W | | | _Code (|
| Name of Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASMI
Code
Stamp
(Yes
or No |
| Large Pipe
Support | Bechtel | N/A | N/A | HRC-223-H5 | 1983 | Repaired | Yes |
| | | | | | | | |
| | | 1 | | | | | |
| | | | | | | | |
| . Description of Work | Replaced s | way strut | and added | stiffener pl | ates | | |
| . Tests Conducted: | Hydrostatic Protection Processure | | | | lone | X | |
| | | | | | | | |

Page 78 of 100

| | FORM NIS-2 (Back) |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F | RemarksNone |
| | Applicable Manufacturer's Data Reports to be attached |
| - | |
| - | |
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| | |
| | the transfer of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec |
| | CERTIFICATE OF COMPLIANCE |
| 4 | We certify that the statements made in the report are correct and this <u>repair</u> conforms to the rules of the ASME Code. Section XI. |
| · | |
| _ | None |
| 1 | Type Code Symbol Stamp Notice |
| Ç | Certificate of Authorization No. N/A Expiration Date N/A |
| _ | Signed MiBlobeslee Date November 12 19 86 |
| 5 | Owner of Owner's Designee, Title Superingendent of Plant |
| _ | |
| • | CERTIFICATE OF INSERVICE INSPECTION |
| I, | , the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Co. |
| _ | Waltham, MAhave inspected the components describe |
| i | n this Owner's Report during the period. TAN: 13, 1986 to Tucy 2, 1986, and state the |
| | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the |
| C | Owner's Report in accordance with the requirements of the ASME Code, Section XI. |
| ٥ | By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th examinations and corrective measures described in this Owner's Report, Furthermore, neither the Inspector nor his employed. |
| | hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th |
| | nspection. FACTORY MUTUAL SYSTEM |
| / | William R. Rogers TI Commissions NB7980 PA2204 NIBS IS |
| | William R. Ecogeo III Commissions National Board, State, Province, and Endorsements |
| | |
| _ | Date Nov. 20 19.86 |

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(12/82)

| Owner PEN | NSYLVANIA P | ower & L | 164T Co. | | Date 1 20 86 | (|] | |
|---------------------------------|-------------------------------------------------------------------------------|--------------------|------------------------------------------------------|--------------------------|--------------------------------------------------------------|-----------------------------------------------|-----------------------------|-----------------------|
| | y 9TH ST. AL | | | - | Sheet 1 o | <u>, 1 </u> | | |
| | QUEHANNA ST | | | | Unit_Z_ | | > | |
| P.O. Box | 467, BERW | NICK PA | 18603 | | CWO C | - 44427 | O. No., Job No., | itc. |
| | ned by Owner | | | | Type Code Symbol | Stamp | Alk | |
| | • | | | | Expiration Date | 1 | Alv | |
| | | Address | Sea | | | | | |
| .Identification | of System EME | RGENCY | DEKAICE | TORIER - C | SYSTEM 54A | CEAS | | |
| | of Components R | | | | nponents | · | T | |
| | ſ | | 9* | , | | | Repaired, | ASMI
Code
Stamp |
| Name of
Componer | Name
Manufa | | lanufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Replaced,
or Replacement | (Yes |
| | HENRY | cturer
VOGT S/F | Serial No. | Board | | | Replaced, | (Yes |
| Componer | HENRY L | voet s/r | Serial No. | Board
No. | Identification | Built | Replaced,
or Replacement | (Ye:
or No |
| Componer | HENRY L | voet s/r | Serial No.
- 2150 9 5 | Board
No. | Identification | Built | Replaced,
or Replacement | (Ye |
| Componer UEL POOL SOLATION VA | Manufa HENRY LVE MACHINE MACHINE Of Work ESW PIF VALVE Sted: Hydrostati | PING REWA | Serial No 215095 - 215095 - 215095 - 215095 - 215095 | Board
No.
N/A | Identification 2-53-500 ** ** ** ** ** ** ** ** ** | Built
84 | Replaced, or Replacement | YES |

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

Page 80 of 100

| | | FORM NIS-2 (Back) |
|--------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|). Remarks . | ATTACHED NPV-1 | l form |
| | | Applicable Manufacturer's Date Reports to be attached |
| | | · |
| | | |
| | | Market |
| | | ¢. |
| | | |
| = | . * | •• |
| | | |
| | s # 12 % W4 | CERTIFICATE OF COMPLIANCE |
| | | made in the report are correct and this REPLACEMENT conforms to the rules of the |
| ASME Co | le, Section XI. | repair or replacement |
| | | , |
| Type Code | Symbol Štamp NA | 4 |
| 1 7 00 0000 | Symbol Stamp | |
| Certificate | of Authorization No. NA | Expiration Date NA |
| | | |
| Signed | Mym M | Date January 20 19 86 |
| | wher of Owner's Designee, Ti | Plant Superintendent |
| | | |
| | | CERTIFICATE OF INSERVICE INSPECTION |
| I, the unde | rsigned, hòlding a valid commi | ission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat |
| or Province | of PENNA | _and employed by ARKWRIGHT BOSTON MFGRS. MUTUAL INS. CO. |
| | M. Mass. | have inspected the components describe |
| | | od OCT. 24, 1984 to Nov. 24, 1984, and state the |
| | | , the Owner has performed examinations and taken corrective measures described in th |
| | | equirements of the ASME Code, Section XI. |
| | | s Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| shell be lie | is and corrective measures d | tescribed in this Owner's Report. Furthermore, neither the Inspector nor his employers
regnal injury or property damage or a loss of any kind arising from or connected with thi |
| inspection. | no in any mammar for any per | FACTORY MUTUAL SYSTEM |
| mapochona | | THOTOLY MOTORS STOTOLS |
| Wille | Inspector's Signature | Commissions NB7980 PA2204 NIBS IS |
| | Inspector's Signature | National Board, State, Province, and Endorsements |
| | • | |
| Date_EE | 19. | <u>.86</u> |
| | | |

| , J. | |
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| | | | | PAIRS OR REPLAC
ASME Code Section | 1 | rs
1918/0 | 9/10 |
|---------------------------------------|-------------------------|----------------------------|----------------------------|---------------------------------------------|---------------|------------------------------------------|-------------------------------------------|
| 1. Owner Pennsy | lvania Power | | Co. | Date July | 28, 1 | .986 U | /
 |
| Two North N | inth St., Al | lentown, P. | A- 18101 | Sheet o | , 1 | · | |
| Plant Susqueh | | lectric St | ation | UnitII | | | _ : |
| Berwick | , PA 18603 | | | CWO C-66018 | ,C-660 | 19/PMR 85- | 3078 |
| 1 | Address | _ | | Repair Organ | nization P | .O. No., Job No., | etc. |
| . Work Performed by | Pennsylvani | a Power & | Light Co. | Type Code Symbol | Stamp | | |
| This Names No. | A11 | name DA | 10101 | Authorization No | | ** / . | |
| TWO HOTER NI | nth St., Alle | encown, PA | 10101 | Expiration Date | | N/A | |
| | | | | d Drive (255) | Class | s 3 | |
| (b) Applicable Edit | | | | W '72 A | '81 A | ddenda | |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| W. 611 - 123 | Anchor | 7660E 1 | 37/4 | 2 46 027 | 1006 | Replace- | Vaa |
| " Check Vlv | Darling | E6695-1 | N/A | 2-46-027 | 1986 | Replace- | Yes |
| B" Check Vlv | Darling | E6695-1- | 2 N/A | 2-46-028 | 1986 | ment | Yes |
| arge Pipe | | | | - | | Replace- | |
| ubassembly | PP&L | N/A | n/A | DBC-208-1 | 1986 | ment | No |
| arge Pipe | | | | DBC JANEIR | | Replace- | |
| langer | PP&L | N/A | N/A | -DCB -203-Н1 | 1986 | ment | No |
| arge Pipe | | | 37.73 | OBC 3.1.14/2 | 1000 | Replace- | ,, |
| anger | PP&L | N/A | N/A | Pe and ASME Ch | | ment | No
No |
| Description of Work | | Water Sup | | including AS | | | on-Asmi |
| | | _ | | | | | |
| · · · · · · · · · · · · · · · · · · · | Other Pressure_ | 2280 psi | minal Operating Test Temp. | 85 • <sub>F</sub> | NOTE: | Test per | olatio |
| | | | | be used, provided (1) (3) each sheet is num | | | |

recorded at the top of this form.

Page 82 of 100

FORM NIS-2 (Back)

| £41. | d for moss | | | Data Reports to | o be eπached
kage exists i | For System | 2554 |
|-------------------|----------------------------------|-------------------|-----------------------------------------|----------------------------------|-------------------------------------|-------------------|-------------|
| 1116 | a for reco | ra parpose. | s only. I | to N J pac | Rage CAISCS A | tor bystem | 2335 |
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| | _ | | | MPLIANCE TE | • | | |
| | - | ients made in the | report are corre | ct and this <u>TCD</u>
repair | lacement confort or replacement | ms to the rules o | the |
| SME Code, Secti | 30 XI, | , 4 | | P | | | |
| | | | | | | | |
| pe Code Symbol | t
Stamp | NONE | | £ | | | |
| | , | | | | 4 | | |
| rtificate of Auth | orization No | N/A | · - | Expiration Da | ateN/A | <u> </u> | |
| | -() (1 le | 3/2/2010 | Ω | b | | _ | _ |
| gned | Owner's Designe | Till Com | | | November 12 | , 198 | 5 |
| | | Supe | ripcenden | of Plant | f | | |
| | | OFPRICK | DATE OF INCE | RVICE INSPECT | 101 | | |
| the undersioned | holding a valid a | | | | and Pressure Vessel I | neneators and the | Cenea |
| | | | | | on Mfgrs. Mu | | |
| Waltham, | | | , , , , , , , , , , , , , , , , , , , , | | have inspected the | | |
| this Owner's R | port during the | period JAN. | 31,1986 | to_JA | INE 7,1986 | , and stat | e that |
| the best of my | knowledge and b | elief, the Owner | has performed | examinations an | d taken corrective me | asures described | in this |
| wner's Report in | accordance with | the requirements | of the ASME Co | de, Section XI. | - F9 <sup>®</sup> | | |
| By signing this | certificate neithe | r the Inspector r | nor his employe | r makes any war | rranty, expressed or i | mplied, concerni | ng the |
| | | | | • | ore, neither the Insp | | |
| | | | or property dan | nage or a loss of
F | any kind arising from ACTORY MUTUAL | or connected wi | th this |
| spection, | | | | _ | MUIUAL | SYSTEM | |
| Villiam K | 2. Pergus; | ut. | Commissio | NB7980 | PA2204 | NIBS : | [S_ |
| | Z. Torque)
Inspector s Signa | ture | | National E | Board, State, Province | , and Endorseme | nts |
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| i. | |
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| P.O. Box Work Performed by | Ninth St., Al
Address
nna Steam Ele
Name
467, Berwick
Address | llentown, lectric Star | PA | Oate 4-23-8 Sheet 1 Unit II * See | of | | |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| Plant Susquehau P.O. Box Work Performed by | Ninth St., Al
Address
nna Steam Ele
Name
467, Berwick
Address
Pennsylvania | llentown, lectric Star | PA
tion | Unit II | | | |
| P.O. Box Work Performed by | 467, Berwick
Address
Pennsylvania | c, PA 1860 | 03 | * 500 | | • . | |
| Work Performed by | Pennsylvania | | | * See | Polor. | | |
| | inth St., All | Power & | | Repair Orga | nization P | .O. No., Job No., | etc. |
| | inth St., All | Name | Light Co. | Type Code Symbol | | | |
| Two North N | | | | Authorization No. | O(0117) | N/A | |
| | Address | lentown, Pa | A | Expiration Date | | N/A | |
| | | | | | | | |
| Identification of Sys | stem_Suppres | sion Pool | and Auxili | ary, S/U 2- | 59A-II | | 4-2-y-4- |
| (a) Applicable Cons
(b) Applicable Editi | struction Code <u>Sect</u> ion of Section XI Uti | ion III 19 | 71 Edition, or Replacements | 72
19_77 Thr | 15
Addenda,
u Summ | 93, 1522,
67,& 1571
er 1978 Ad | .Code C
denda |
| Identification of Co | mponents Repaired o | or Replaced and F | Replacement Com | ponents | | | , |
| Name of
Component | Name of
Manufacturer | Manufacturer | National
Board | Other Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stampe
(Yes
or No. |
| | Old and Durk | | | | | | |
| | | | N/A | Y-884 | 1976 | Renaired | No |
| | | | 11/ A . | | 12770 | Repaired | |
| Penetration | & Iron | N/A | N/A | X-220B | 1976 | Repaired | No |
| | | | | | | | |
| | P | - | | | | | |
| Description of Work | Utilized Spa | are Penetr | ations For | N <sub>2</sub> Make-Up | Piping | | |
| | | | | | | , | 6 |
| tion in items 1 thro | ough 6 on this repor | lists, sketches, o
t is included on (| or drawings may t
each sheet, and (| e used, provided (1
3) each sheet is nu |) size is 8%
mbered an | in. × 11 in., (2) i
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| | (a) Applicable Cons (b) Applicable Edit Identification of Co Name of Component Containment Penetration Containment Penetration Containment Penetration Note: Supplement tion in items 1 three recorded at the top | (a) Applicable Construction Code Section (b) Applicable Edition of Section XI Utilidentification of Components Repaired of Manufacturer Name of Manufacturer Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron Containment Chicago Brds & Iron | (a) Applicable Construction Code Section III 19 (b) Applicable Edition of Section XI Utilized for Repairs Identification of Components Repaired or Replaced and F Name of Name of Manufacturer Component Manufacturer Serial No. Containment Chicago Brds Penetration & Iron N/A Containment Chicago Brds Yenetration & Iron N/A Containment Chicago Brds Yenetration & Iron N/A Containment Chicago Brds Other Pressure 228 psi NOTE: Supplemental sheets in form of lists, sketches, of tion in items 1 through 6 on this report is included on | (a) Applicable Construction Code Section III 19 71 Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements Identification of Components Repaired or Replaced and Replacement Com Name of Name of Manufacturer Serial No. Component Chicago Brdg Penetration & Iron N/A N/A Containment Chicago Brdg Penetration & Iron N/A N/A Containment Chicago Brdg Penetration & Iron N/A N/A Description of Work Utilized Spare Penetrations For Tests Conducted: Hydrostatic Pneumatic Nominal Operating Other Pressure 228 psi Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may to tion in items 1 through 6 on this report is included on each sheet, and 6 recorded at the top of this form. | (a) Applicable Construction Code Section III 19 71 Edition, 72 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 77 Through 6 on this report is included on each sheet, and (3) each sheet is nut | Name of Name of Manufacturer Board Other Year Component Component Manufacturer Serial No. Containment Chicago Brdg N/A N/A X-88A 1976 Containment Chicago Brdg N/A N/A X-88A 1976 Containment Chicago Brdg N/A N/A X-220B 1976 Containment Chicago Brdg N/A N/A X-220B 1976 Description of Work Utilized Spare Penetrations For N2 Make-Up Piping Tests Conducted: Hydrostatic Preumatic Nominal Operating Pressure Other Pressure 228 psi Test Temp. 74 °F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and | (a) Applicable Construction Code Section III 19 71 Edition, 72 Addenda, 1567, & 1571 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 77 Thru Summer 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 Addenda, 1978 A |

\* CWO's C44150, C44152 and C44178/PMR 83-745

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FORM NIS-2 (Back)

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|
 | Remarks None Applicable Manufacturer's Data Reports to be attached |
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| ۱, | CERTIFICATE OF COMPLIANCE |
| | We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code, Section XI. |
| _ | Admit Good, Goddon Ali |
| | • |
| 1 | Type Code Symbol Stamp |
| 1 | Certificate of Authorization No. N/A Expiration Date N/A |
| | Certificate of Authorization No. N/A Expiration DateN/A |
| " | Signed Date November 12 19 86 |
| Ļ | Owner of Owner's Designee, Title Superintendent of Plant |
| `_ | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Boston, Mfgrs. Mutual Ins. Co. of |
| Ί | Waltham, MA have inspected the components described |
| ı | in this Owner's Report during the period APR. 5, 1984 to APR. 18, 1984, and state that |
| ı | 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 SYSTEM |
| | William R. Roman III Commission NB7980 PA2204 NIBS IS |
| 3 | Inspector's Signature Commissions IND 7500 FAZZU4 Commissions National Board, State, Province, and Endorsements |
| ı | William R-Rogers III Commissions NB7980 PA2204 NIBS IS Inspector's Signature National Board, State, Province, and Endorsements Date Nov. 20 1986 |
| ١ | Date_Nov. 20 19.86 |
| L | |

(12/82)

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| <i>*</i> | | | _ | | | 7 |) |
|----------------------------------------|-------------------------|-----------------------------------------|---------------------------|----------------------------------|---------------|------------------------|--------------------------------------------------|
| 1. Owner Penns | lvania Power | and Light | Co. | Date 9-30 | -86 | | |
| Two North M | Vinth St., Al | lentown, PA | 18101 | Sheet 1 | of2 | | |
| 2. Plant Susquel | anna Steam E | lectric Sta | | UnitII | | · | |
| Berwick | Name
:, PA 18603 | | | * \$6 | e Belo | 11.7 | ! |
| | - Address | | - | | | O. No., Job No., | etc. |
| 3. Work Performed by | <u>, Pennsylvani</u> | a Power & I | ight Co. | Type Code Symbol | | None
N/A | <u> </u> |
| Two North Ni | nth St., All | | 18101 | Authorization No Expiration Date | | N/A | |
| | Address | | | į. | | | |
| I. Identification of Sy | stem_Reactor | water Clea | п-ор, зоз | 201A-111 | | . | |
| 5;∾(a) ⊲Appticable-Cor | | | | | | | _Code (|
| (b) Applicable Edi | tion of Section XI Ut | ilized for Repairs | or Replacement | :19 <u>80 th</u> ru W | '81 A | ddenda | |
| i. Identification of Co | omponents Rensised | or Regioned and S | lanlassmans Co. | - | | | |
| | Ampondints trepaned | or replaced and r | reprecentent Cor | nponents | | * | |
| | 1 | - | | | | | ASM |
| = | | , , | | | | | Cod |
| Alama ad . | Atama of | *************************************** | National | | | Repaired,
Replaced, | Stam;
(Ye |
| Name of 4
Component | Name of
Manufacturer | Manufacturer
Serial No. | Board
No. | Other Identification | Year
Built | or Replacement | |
| | | , | | | ! | ı | |
| Small Pipe | | | | SP-EBC- | 1000 | | ^,, |
| <u>Subassembly</u>
Small Pipe | Bechtel | N/A | N/A | 201-4
 SP-EUE- // | 1983 | Repaired | No |
| Subassembly | Bechtel | N/A | N/A . | | 6 1983 | Repaired | No |
| Small Pipe | Bechtel | N/A | N/A | SP-EBC-
203-5 | 1983 | Repaired | No |
| Subassembly
Small Pipe | Decucer | N/A | Ν/ Α | SP-EBC- | 1703 | Nepazzea | |
| Subassembly | Bechtel | N/A | n/A | 203-6 | 1983 | Repaired | No |
| Small Pipe
Subassembly | Bechtel | N/A | N/A | 203-7 | 1983 | Repaired | No |
| | 1 | · | | | · | l | ! |
| . Description of World | <u>· Replaced ca</u> | apillary se | nsor hous | ing with flan | nged ti | ibing conne | ectio |
| | | 🗆 | | | | | |
| Tassa Candinasada | | | minal Operating Test Temp | Luissane [] | None | X | ! |
| . Tests Conducted: | Other Lettice | p.st | | * | | | |
| . Tests Conducted: | Other Pressure_ | - | | | | | _ |
| NOTE: Suppleme | ntal sheets in form o | | | | | | |
| NOTE: Suppleme | ntal sheets in form o | | | | | | |
| NOTE: Supplements, tion in Items 1 thr | ntal sheets in form o | | | | | | |

Kage 86 of 100 4.3 my 14 FORM NIS-2 (Back) None 9. Remarks. Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair conforms to the rules of the repair or replacement ASME Code, Section XI. None \* Type Code Symbol Stamp, N/A N/A Certificate of Authorization No. Expiration Date \_ November 12 86 Owner or Owner's Designee, Title Superintendent of **CERTIFICATE OF INSERVICE INSPECTION** 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Cof Waltham, MA have inspected the components described in this Owner's Report during the period Oct. 28, 1985 10 MAY 20, 1986 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 FACTORY MUTUAL SYSTEM inspection. Commissions NB7980 PA2204 NIBS IS National Board, State, Province, and Endorsements

(12/82)

Date Nov. 21

| | | · · · · · · · · · · · · · · · · · · · | | · | Hoge | B7 | al 10 | 00 |
|--------------|----------------------|---------------------------------------|------------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| 1. | Owner Pennsy | vlvania Power | | 0. | 9-30- | 86 | U | |
| | Two North | Ninth St., A | | PA 1810I | Sheet 2 | of2 | | |
| 2. | Mane Susqueh | anna Steam E | lectric St | ation | Unit II | | | |
| | P.O. Bo | x 467, Berwi | ck, PA 18 | 603 | | Sheet | 1.0. Ne., Job Ne., | ette. |
| 3. | | Pennsylvani | Name | | Authorization No | | N/A | |
| 4. | | Ninth St., A Address Reactor | | | | | N/A | |
| | (a) Applicable Con | struction Code Section XI Uti | tion III 19 | 71 Edition, | Winter '72 <sub>A</sub> | | | |
| ., 6. | Identification of Co | emponents Repaired o | or Replaced and F | Regiacement Con | 100nents | | • | |
| 10.
1 | Name of
Component | * Name of * " Manufacturer | " Manufacturer
Seriel No. | National
Board
No. | Other
Identification | Year
Built | Regained,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| S | | | | | | | | |

| * * * * * * * * * * | Name of
Component | * Name of * */ Manufacturer | " Manufacturar
Serial No. | National
Board
No. | Other
Identification | Year
Built | Regaired,
Reglaced,
or Reglacement | ASME
Code
Stamped
(Yes
or No) |
|---------------------|---------------------------|-----------------------------|------------------------------|--------------------------|-------------------------|---------------|------------------------------------------|-------------------------------------------|
| | Small Pipe
Subassembly | Bechtel | N/A | N/A | SP-EBC-
203-8 | 1983 | · Repaired | No |
| 79# | Small Pipe | Bechtel | N/A | N/A | SP-EBC-
203-9 | 1983 | Repaired | |
| ž | Small Pipe
Subassembly | Bechtel | N/A | N/A | SP-EBC-
203-10 | , 1983 | Repaired | No |

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2 (12/5.2)

| | | | | AIRS OR REPLA | | 241 86 | d je |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|-------------------------------------------|
| 2. Plant Susqueh Berwick 3. Work Performed by Two North Ni 4. Identification of Sy | Ivania Power Name Inth St., Al Address anna Steam E Name , PA 18603 Address Pennsylvania nth St., All Address stem_Reactor | and Light lentown, Palectric State a Power & Palentown, PAlectricula | Co. A 18101 ation Light Co. 18101 tion, SUS | DateO Sheet1 UnitII PMR 84-31: Repair Orga Type Code Symbol Authorization No Expiration Date 264B-I | ctober of 27, CW nization P | O_C44930
O. No., Job No.,
None
N/A
N/A | |
| 5. (a) Applicable Con:(b) Applicable Edit6. Identification of Co | | | | | Addenda,_
' '81 A | N/A
ddenda | _Code Case |
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other
Identification | Year
Built | Repaired,
Replaced,
or Replacement | ASME
Code
Stamped
(Yes
or No) |
| Small Pipe
Support | Bechtel | N/A | N/A | SP-DCA-
202-H15 | 1983 | Repaired | No |
| | | | | · | | | • |
| 7. Description of Work | Modified cl | amp to eli | minate pot | ential inter | ferenc | e. | |
| | Hydrostatic Pn Other Pressure | _ | minal Operating Test Temp. | | lone | X | |
| NOTE: Supplemention in items 1 throrecorded at the top | tal sheets in form of
ough 6 on this report
of this form. | lists, sketches, o | or drawings may to
each sheet, and (| pe used, provided (1)
3) each sheet is num | size is 8½
nbered and | in. × 11 in., (2) id
the number of s | nforma-
heets is |

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

Page 89 of 100

| 8 | FORM NIS-2 (Back) |
|------|---------------------------------------------------------------------------------------------------------------------------------------------|
|).= | RemarksNone |
| • | Applicable Manufacturer's Data Reports to be attached |
| z | |
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| | |
| | |
| _ | CERTIFICATE OF COMPLIANCE |
| | We certify that the statements made in the report are correct and this repair conforms to the rules of the |
| | ASME Code, Section XI. repair or replacement |
| | |
| | Type Code Symbol Stamp None |
| | Continue of Australia Na N/A Suplembra Data N/A |
| | Certificate of Authorization No. N/A Expiration Date N/A |
| | Signed Signed Date November 12 1986 |
| | Owner or Owner's Designee, Title Superintendent of Plant |
| _ | |
| | CERTIFICATE OF INSERVICE INSPECTION |
| | I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State |
| | or Province of Pennsylvania and employed by Arkwright Boston Mfgrs. Mutual Ins. Coo Waltham, MA have inspected the components describe |
| , | in this Owner's Report during the period DEC. 7, 1984 to DEC. 11, 1984, and state the |
| | to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the |
| | 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 th |
| | examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employee |
| | shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th |
| | inspection. FACTORY MUTUAL SYSTEM |
| • | WE7900 PARROW NIES IS |
| _ | Inspector's Signature Commissions National Board, State, Province, and Endorsements |
| • | Unillian R. Kogus III Commissions NB7980 PA2204 NIES IS Inspector's Signature Commissions National Board, State, Province, and Endorsements |
| ,· ' | Date /VOV. 20 19 86 . |
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and the second

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|--------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------|-------------------------------|-----------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------|
| 1. Owner Pennsyl | vania Power | & Light Co | , | Date 4-23 | -84 | <i>U</i> | |
| | | · • | | • | | 2 | |
| IWO HOLCH N. | inth St., Al Address | ientown, Pa | <u>n</u> | Sheeto | · | | |
| 2. Plant Susqueha | anna Steam E | lectric Sta | ation | UnitII | | | |
| | | | | | n 1 | | |
| P.O. BO | x 467, Berwie | CK, PA 100 | <u>03 .</u> , | Repair Organ | e Belor
nization P. | W
O. No., Job No., | etc, |
| . Work Performed by | Pennsvlvani | a Power & 1 | Light Co. | Type Code Symbol | Stamp | None | |
| | | Name | | Authorization No | | | |
| Two North Ni | nth St., All | entown, PA | arca samutani
9.5 tega | Expiration Date | | _N/A | • |
| | Address | | | | | | 5 |
| . Identification of Sys | stem <u>Nitrogen</u> | Make-Up, | <u>S/U 273A-Î</u> | τ " | | | |
| | • | 1 | 1 | | | | |
| | | Ser Marane A in | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | Code |
| | | Partie | National | 1 | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Repaired, | Code
Stampe |
| Name of | Name of | Manufacturer C | 11 | Other Identification | Year
Built | Replaced, | ASME
Code
Stampe
(Yes
or No |
| Name of
Component | Name of | Manufactúřar Serial No. | th 1683ard
• No | Other
Identification, | Year
Built | | Code
Stampe
(Yes |
| | | | 11 | Identification f | | Replaced, | Code
Stampe
(Yes |
| Component Small Pipe | : \Manufacturer | Serial No. | ** Board
No | Identification, | Built . | Replaced,
or Replacement | Code
Stampe
(Yes
or No |
| Component Small Pipe Subassembly | | | th 1683ard
• No | Identification SP-HCB | | Replaced, | Code
Stampe
(Yes |
| Component Small Pipe Subassembly Small Pipe | Bechtel | Serial No. | 13 (80ard
No | SP-HCB
225-3
SP-HCB- | Built | Replaced, or Replacement | Code
Stampe
(Yes
or No |
| Component Small Pipe Subassembly Small Pipe Subassembly | : \Manufacturer | Serial No. | ** Board
No | SP-HCB
225-3
SP-HCB-
226-11 | Built . | Replaced, or Replacement Replaced Replaced | Code
Stampe
(Yes
or No |
| Component Small Pipe Subassembly Small Pipe Subassembly Small Pipe | Bechtel Bechtel | N/A
N/A | N/A | SP-HCB 225-3 SP-HCB- 226-11 SP-HCB- | 1982
1982 | Replaced Replaced Replaced Replaced | Code
Stampe
(Yes
or No
Yes |
| Component Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly | Bechtel Bechtel PP&L | Serial No. | 13 (80ard
No | SP-HCB 225-3 SP-HCB- 226-11 SP-HCB- 256-1 | Built | Replaced Replaced Replaced Replaced Replaced | Code
Stampe
(Yes
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| Component Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly Small Pipe | Bechtel Bechtel PP&L | N/A
N/A
N/A | 13 (86ard
No
N/A
N/A | SP-HCB 225-3 SP-HCB- 226-11 SP-HCB- 256-1 SP-HCB- | 1982
1982 | Replaced Replaced Replaced Replace- ment | Code
Stampe
(Yes
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Yes |
| Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly | Bechtel Bechtel PP&L | N/A
N/A | N/A N/A N/A | SP-HCB 225-3 SP-HCB- 226-11 SP-HCB- 256-1 SP-HCB- 257-1 | 1982
1982 | Replaced Replaced Replaced Replaced Replace- ment Replace- ment | Code
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| Component Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly Small Pipe | Bechtel Bechtel PP&L PP&L | N/A N/A N/A | N/A N/A N/A | SP-HCB 225-3 SP-HCB- 226-11 SP-HCB- 256-1 SP-HCB- 257-1 SP-HCB- | 1982
1982
1984
1984 | Replaced Replaced Replaced Replace- ment Replace- ment Replace- ment Replace- | Code Stampe (Yes or No Yes No No |
| Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly Small Pipe | Bechtel Bechtel PP&L PP&L | N/A
N/A
N/A | N/A N/A N/A | SP-HCB 225-3 SP-HCB- 226-11 SP-HCB- 256-1 SP-HCB- 257-1 | 1982
1982 | Replaced Replaced Replaced Replaced Replace- ment Replace- ment | Cod
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| Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly Small Pipe Subassembly Small Pipe | Bechtel Bechtel PP&L PP&L PP&L | N/A N/A N/A N/A | N/A N/A N/A N/A | SP-HCB 225-3 SP-HCB- 226-11 SP-HCB- 256-1 SP-HCB- 257-1 SP-HCB- 257-1 | 1982
1982
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1984 | Replaced Replaced Replaced Replace- ment Replace- ment Replace- ment | Code
Stamp
(Yes
or No
Yes
No
No |

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.

(12/82)

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

\*CWO No's: C44132, C44136, C44150, C44152, C44164, C44165 and C44178/PMR 83-745

Other Pressure 228 psi Test Temp.

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FORM NIS-2 (Back) NPV-1 Forms Attached For Valves: SV-25738, SV-25789, 2-57-202, Applicable Manufacturer's Data Reports to be attached and 2-57-204. CERTIFICATE OF COMPLIANCRepair/Replacement s\_\_\_\_\_conforms to the rules of the repair or replacement We certify that the statements made in the report are correct and this\_ ASME Code, Section XI. N/A . Type Code Symbol Stamp. N/A Expiration Date. Certificate of Authorization No. May 14 Superinterdent of Plant Owner or Owner's Designee, CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by Arkwright Boston Mfgr's. Mutual Ins. Co of or Province of\_ have inspected the components described to the table to the table to the table to the table to the table to the table to the table to the table table to the table table to the table table to the table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table table tab Waltham, MA in this Owner's Report during the period MAR. 30, 1984 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 SYSTEM Commissions <u>N87980</u> PA2201 352 National Board, State, Province, and Endorsements ;; Date MAY 20

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| | 1. | Owner Pennsylvania Power & Light Co. Date 4-23-84 |
|-------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | Two North Ninth St., Allentown, PA Sheet 2 of 2 |
| 2 | 2. | Plam Susquehanna Steam Electric Station Unit II |
| | | P.O. Box 467, Berwick, PA 18603 * See Below Repair Organization P.O. No., Job No., etc. |
| jerin | 3. | Work Performed by Pennsylvania Power & Light Co. Type Code Symbol Stamp None Name Authorization No. N/A |
| | | Two North Ninth St., Allentown, PA Expiration Date N/A |
| | 4. | Identification of System Nitrogen Make-Up, S/U 273A-IT |
| : | 5. | (a) Applicable Construction Code Section III 19-71- Edition, Winter 172- Addenda; N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs of Replacements 19-77. Thru Summer 1978 Addenda |
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| | 6. | Identification of Components Repaired or Replaced and Replacement Components |

| | | b 9 4× 0 | | , | in, i | | ASME
Code |
|----------------------|-------------------------|----------------------------|-------------------------------|-------------------------------------------|---------------|------------------------------------------|-----------------|
| Name of
Component | Name of
Manufacturer | Manufacturer
Serial No. | National
Board
No. | Other Didentification | Year
Built | Repaired,
Replaced,
or Replacement | Stamped
(Yes |
| Small Pipe | - 16 (b)s (| - 44 | and the n to take 14 this de- | SP-HCB | | Replace- | |
| Support | PP&L | N/A - * 24 | · ALAYS. | ~ 256-H1 | 1984 | ment | Йo |
| Small Pipe
Valve | Target
Ročk | S/N 1 - | N/A C | sv-25737 | 1982 | Repaired | Yes |
| Small Pipe
Valve | Target Rock | 5 S/N 3 | -:N/A | ! SC-25738_ | 1982 | Replace- | Yes |
| Small Pipe
Valve | Target
Rock | S/N 2 | 3 " A SF " NOW | | 1982 | Repaired | Ϋ́es |
| Small Pipe
Valve | Target | s/N 4 | 1 | ngan an 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1982 | Replace- | |
| Small Pipe
Valve | | 2- S/N | N/A | | 1981 | Replace-
ment | , |
| Small Pipe
Valve | Borg- | S/N
63758" | ™ N∤A - | 2-57-203 | 1981 | Replace- | |
| Small Pipe
Valve | Borg-
Warner | S/N
63760 | N/A | 2-57-204 | 1981 | Replace-
ment | |

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

Page 94 of 100

| FORM NIS-2 (Back) 9. Remarks Manufacturer's data reports attached. Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rule repair or replacement | |
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| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, conce examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected inspection. FACTORY MUTUAL SYSTEM | employer |
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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.

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By signing this certificate neither the inspector nor his employer, makes any warranty, expressed or implied, concerning the

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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

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FACTORY MUTUAL SYSTEM

NB7980 National Board, State, Province, and Endorsements

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Owner's Report in accordance with the requirements of the ASME Code, Section XI.

'In this Owner's Report during the period OEC. 4, 1984

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Pennsylvania Power & Light: Colv NISO

Name

Two North Ninth St., Allentown, PA\_18101— Sheet 1

. 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

entification of System Auto Pressure: Blowdown: System. SUS 283E-III

William Co.

(a) Applicable Construction Code Section III. 19 71 Edition, Winter 472 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs of Replacements 19 80 Thru Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components \*\*\* கூடிக்கு இ

2. Plant Susquehanna Steam Electric Station --- Unit

| | m , m , m , m , m , m , m , m , m , m , | Sheet and sheet sheet | ALVEAL. | National | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | | ost seri | ASME
Code
Stamped |
|------------|-----------------------------------------|-----------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------|-----------------------------|-------------------------|
| | | Name of | Serial No. | NO.
No.
PICATE OF INS | Other Identification | Year
Built | Replaced,
or Replacement | or No) |
| | Small Pipe
SubAssembly | | YOUTUN
N/A | N/A N/A | | 1.983. | képaired/∞
Replacemen | i Yes |
| | Small Pipe
SubAssembly
Small Pipe | Bechtel | N/A,,,, | emin NA That | ~ SP.+HCC-****
233;.11.; | %Ţ;983 │ | Replacemen | b Yes |
| ,

 | SubAssembly 199 | Bechtel. | TONA, T., | בינה אל את בירים בירים בירים בירים בירים בירים בירים בירים בירים בירים בירים בירים בירים בירים בירים בירים ביר
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| | , A.S. | whomen h | | | | ψη(<sub>1</sub> | | |

7. Description of Work Reroute Of Piping To Perform Electrical Modification

8. Tests Conducted: Hydrostatic Preumatic M Nominal Operating Pressure 165.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

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FORM NIS-2 (Back)

| 9. | Remarks | None |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | , | Applicable Manufacturer's Data Reports to be attached |
| | • | · · |
| | | |
| | | |
| Γ | | CERTIFICATE OF COMPLIANCE Repaired & |
| | We certify that the statements of ASME Code, Section XI. | nade in the report are correct and this Replacement conforms to the rules of the repair or replacement |
| | | e company of the |
| | Type Code Symbol Stamp | None |
| | Signed Owner or Owner's Designee, Tits | N/A Expiration Date N/A Labelle Date November 12 19 86 Superintendent of Plant |
| _ | | |
| , | or Province of Pennsylvania' Waltham, MA In this Owner's Report during the period to the best of my knowledge and belief, Owner's Report in accordance with the recurrence By signing this certificate neither the examinations and corrective measures de | the Owner has performed examinations and taken corrective measures described in this quirements of the ASME Code, Section XI. Inspector nor his employer makes any warranty, expressed or implied, concerning the scribed in this Owner's Report. Furthermore, neither the Inspector nor his employer onal injury or property damage or a loss of any kind arising from or connected with this FACTORY MUTUAL SYSTEM |
| | William K- Roguo III. Inspector's Signature | Commissions NB7,980 PA2204 NIBS IS National Board, State, Province, and Endorsements |
| . H: | Date Nov. 20 19 | <u>86 : </u> |
| 112 | (92) | |