

INSERVICE INSPECTION NINETY-DAY REPORT
BEAVER VALLEY POWER STATION UNIT 2

Outage 6, Year 1996

Inspection Term: 5/8/95 to 11/29/96

Issue date: 2-24-97

Owner: Duquesne Light Company
411 Seventh Avenue
Pittsburgh, PA 15219

NRC Docket Number: 50-412

Reactor Supplier: Westinghouse Electric Corporation
Commercial Service Date: November 17, 1987

Prepared by: *D. Szabinski* Date: 1/30/97

Reviewed by: *Richard D. Blagden / FORDPW* Date: 2-24-97
Supervisor, Materials, Codes and Inspection

Reviewed by: *Richard D. Blagden / FOR RAH* Date: 2-24-97
Director, Nuclear Analysis and Inspection

Reviewed by: *RJ Amos* Date: 2/10/97
ANIL

Approved by: *[Signature]* Date: 2-24-97
Manager, Nuclear Engineering Department

90-DAY REPORT
TABLE OF CONTENTS

<u>Item</u>	<u>Page Number</u>
Cover Page	1
Table of Contents	2
Form NIS-1	3 - 5
Outage Summary	6
ASME XI Vessel, Piping and Support Examinations	
1. Class 1	6
2. Class 2	6
3. Class 3	6
Reactor Vessel Examination	7
Deficiency Resolution	7
Steam Generator Tube Examination	7
NRC Bulletin 88-09, Flux Thimbles	7
Break Exclusion Zone Examinations	7
Heavy Load Lifting Devices	7
Snubber Examinations	7
Pressure Testing	8
NIS-2 Forms	8
Appendix I - Code Examinations	
Appendix IA - Incomplete / Limited Code Examinations	
Appendix IB - Disassembly Required Examinations	
Appendix II - Additional or Successive Examinations	
Appendix III - Deficiency Report	
Appendix IV - Reactor Vessel Examination Summary	
Appendix V - Steam Generator Eddy Current Examinations	
Appendix VI - Flux Thimble Eddy Current Examinations	
Appendix VII - Repair / Replacement Abstract and NIS-2 Forms	

Form NIS-1 Owner's Report For Inservice Inspections
Attachment 1
Page 1 of 1

1. Owner Duquesne Light Co. 411 Seventh Avenue, Pittsburgh, PA 15219
2. Plant Beaver Valley Power Station, P.O. Box 4, Shippingport, PA 15077
3. Plant Unit 2 4. Owner certificate of Authorization (if required) 26-05000
5. Commercial Service Date 11/17/87 6. National Board Number for Unit NA
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combustion Engineering	CE-9071	160591	21669
21A Stem Gen	Westinghouse	1961	485065	W16598
21B Stem Gen	Westinghouse	1962	485066	W16599
21A RC Pump	Westinghouse	W-1101-A1	N/A	N/A
Pressurizer	Westinghouse	1971	485064	W18695
RC Piping	Southwest Fabricating	N/A	N/A	N/A
Auxiliary Piping	Schneider Power	N/A	N/A	N/A
21A Charging Pump	Pacific Pumps	49190	N/A	N/A
21A RHS Heat Exchanger	Westinghouse	1274-26	N/A	222
21A RSS Pump	Bingham-Willamette	230439	N/A	NB-314
21A RSS Heat Exchanger	Joseph Oat	2189-1A	N/A	890
21A SWS Pump	Byron Jackson	731-N-0027	N/A	N/A
2RCS-MOV 536	Westinghouse	W75010	N/A	W26602
2RCS-RV-551	Westinghouse	N56963-007	N/A	N/A
Valve 2CHS-871	Westinghouse	679177	N/A	N/A
Valve 2SIS-129	Westinghouse	952200	N/A	N/A
Valve 2SIS-141	Westinghouse	162145	N/A	N/A

OUTAGE SUMMARY

During the Sixth Refueling Outage (2R06) at the Beaver Valley Power Station, Unit 2, Inservice Inspection (ISI) examinations were performed on Class 1, 2, and 3 components. This was the final outage of the first ten year interval. Included in this report and the counts below are examinations performed prior to 2R06 during plant operation. All required examinations for the current interval, with the exception of those listed in Appendix IA, have been completed. The examinations were based on ASME Section XI, 1983 Edition through Summer 1983 Addenda, using Code Case N-408-2 for Class 2 components.

ASME XI Credited Exams (See Appendix I)

1. Two-hundred, nine (209) Class 1 exams were performed and are divided as follows:
 - a. Reactor Vessel Examinations
 - Circumferential welds (UT) - 4
 - Longitudinal welds (PT) - 11
 - Nozzle welds (UT) - 3
 - Nozzle IR section (UT) - 3
 - Supports (VT-3) - 3
 - Interior/Internals (VT-3) - 3
 - Threads in flange (UT) - 58
 - b. Welds (piping, attachments, pumps and vessels)
 - Ultrasonic Exams - 25
 - Penetrant Exams - 75
 - Mag Particle Exams - 1
 - c. Visual Examinations
 - Bolting - 5
 - Supports - 17
 - Valve Internals - 1
2. One-hundred, sixty-nine (169) Class 2 exams were performed and are divided as follows:
 - a. Welds (piping, attachments, pumps, and vessels)
 - Ultrasonic Exams - 40
 - Penetrant Exams - 95
 - Mag Particle Exams - 1
 - b. Supports, Visual Exams - 33
3. Eighty-eight (88) visual exams of Class 3 supports were performed and are divided as follows:
 - a. Supports - 13
 - b. Attachments - 75

Examinations were performed by Duquesne Light Company and Virginia Corporation of Richmond NDE Technicians. The Reactor Vessel examination was performed by Wesdyne. Appendix I compiles the examinations that have been credited toward fulfilling the Ten Year Plan requirements. Appendix IA shows remaining examinations that have not been performed or have examination limitations for the current interval that require a request for relief. Appendix IB lists components (previously identified in relief requests) that were not disassembled during the current interval and therefore the required examinations were not performed. Appendix II lists additional and successive examinations that were required during 2R06.

Reactor Vessel Examination

The BV-2 Reactor Pressure Vessel was examined in 2R06. The examinations were conducted using the Westinghouse Reactor Vessel Inspection Tool in conjunction with the UDRPS-2 Ultrasonic Data Recording and Processing System. The results are contained in the BV-2 10 YEAR REACTOR VESSEL INSPECTION REPORT. A summary of the results is included in Appendix IV.

Deficiency Resolution

All recorded deficiencies were evaluated and reported per administrative procedures. Appendix III identifies the rejectable indications and notes the closing document.

Steam Generator Tube Examination

One hundred percent of the in-service tubes were examined in the three generators. Results of the examinations are contained in Appendix V.

NRC Bulletin 88-09, Flux Thimbles

In accordance with NRC Bulletin No. 88-09, all 50 flux thimble tubes were examined using multi-frequency eddy current techniques. Appendix VI contains the results.

Break Exclusion Zone Examinations

Examinations were performed on welds located in the high energy break exclusion zone identified in Section 6.6.8 of the UFSAR. These examinations are listed in Appendix I under exam category B E Z.

Heavy Load Lifting Devices

Surface examination of major load bearing welds on the reactor coolant pump lift rig were performed. The examination was acceptable. This examination was in accordance with the Duquesne Light Company response to Generic Letter 81-07, Control of Heavy Loads.

Snubber Examinations

Snubber examinations were performed this outage in accordance with Technical Specification 3/4.7.12. The results of the examinations are contained in the 2R06 SNUBBER OUTAGE SUMMARY.

Pressure Testing

The Class 1 piping System Leakage Test was performed prior to plant start-up. Also, Class 2 and 3 system functional and system inservice tests were performed during the outage on various systems to fulfill the 40-month pressure testing requirement.

NIS-2 Forms

Included as Appendix VII are the NIS-2 Forms associated with Repairs and Replacements. Code Case N-416-1, Alternative Pressure Test Requirement for Welded Repairs or Installation of Replacement Items by Welding, Class 1, 2 and 3, was used. The NIS-2 specifies when N-416-1 was implemented.

APPENDIX I
CODE EXAMINATIONS

0
2
7



COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
** ASME ITEM NUMBER / EXAM CATEGORY: B.E.Z.			
2FWS-21 -4A	BRANCH CONN. WELD	MT96032	
** ASME ITEM NUMBER / EXAM CATEGORY: B01.011 B-A			
2RCS*REV21-C-2	CIRCUMFERENTIAL WELD	UTQ1349	
2RCS*REV21-C-3	CIRCUMFERENTIAL WELD	UTQ1349	
** ASME ITEM NUMBER / EXAM CATEGORY: B01.012 B-A			
2RCS*REV21-L-06	LONGITUDINAL WELD	UTQ1349	
2RCS*REV21-L-07	LONGITUDINAL WELD	UTQ1349	
2RCS*REV21-L-08	LONGITUDINAL WELD	UTQ1349	
2RCS*REV21-L-09	LONGITUDINAL WELD	UTQ1349	
2RCS*REV21-L-10	LONGITUDINAL WELD	UTQ1349	
2RCS*REV21-L-11	LONGITUDINAL WELD	UTQ1349	
2RCS*REV21-L-12	LONGITUDINAL WELD	UTQ1349	
** ASME ITEM NUMBER / EXAM CATEGORY: B01.021 B-A			
2RCS*REV21-C-5	LH CIRCUMFERENTIAL WELD	UTQ1349	
** ASME ITEM NUMBER / EXAM CATEGORY: B01.022 B-A			
2RCS*REV21-L-13	LOWER HEAD MERIDIONAL WELD	UTQ1349	
2RCS*REV21-L-14	LOWER HEAD MERIDIONAL WELD	UTQ1349	
2RCS*REV21-L-15	LOWER HEAD MERIDIONAL WELD	UTQ1349	
2RCS*REV21-L-16	LOWER HEAD MERIDIONAL WELD	UTQ1349	
** ASME ITEM NUMBER / EXAM CATEGORY: B01.030 B-A			
2RCS*REV21-C-1B	CIRCUMFERENTIAL WELD (FLG TO SHELL)	UTQ1349	
** ASME ITEM NUMBER / EXAM CATEGORY: B01.040 B-A			
2RCS*REV21-C-1A	RVCH FLANGE CIRCUMFERENTIAL WELD	UT96151 MT96033	
** ASME ITEM NUMBER / EXAM CATEGORY: B02.011 B-B			
2RCS*PRE21-C-1	CIRCUMFERENTIAL WELD	UT96118	FROM DATUM PT 15 TO 5.
2RCS*PRE21-C-7	CIRCUMFERENTIAL WELD	UT96120	FROM DATUM POINT 8,9 TO 0.
** ASME ITEM NUMBER / EXAM CATEGORY: B02.012 B-B			
2RCS*PRE21-L-6	LONGITUDINAL WELD	UT96119	
** ASME ITEM NUMBER / EXAM CATEGORY: B03.090 B-D			
2RCS*REV21-N-17	NOZZLE TO VESSEL WELD	UTQ1349	
2RCS*REV21-N-19	NOZZLE TO VESSEL WELD	UTQ1349	
2RCS*REV21-N-21	NOZZLE TO VESSEL WELD	UTQ1349	
** ASME ITEM NUMBER / EXAM CATEGORY: B03.100 B-D			
2RCS*REV21-N-171R	NOZZLE INSIDE RADIUS	UTQ1349	
2RCS*REV21-N-191R	NOZZLE INSIDE RADIUS	UTQ1349	
2RCS*REV21-N-211R	NOZZLE INSIDE RADIUS	UTQ1349	
** ASME ITEM NUMBER / EXAM CATEGORY: B03.120 B-D			
2RCS*PRE21-N-111R	NOZZLE INSIDE RADIUS	UT96115	
2RCS*PRE21-N-121R	NOZZLE INSIDE RADIUS	UT96116	
2RCS*PRE21-N-131R	NOZZLE INSIDE RADIUS	UT96117	

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
** ASME ITEM NUMBER / EXAM CATEGORY: B05.010 B-F			
2RCS*REV21-N-23	NOZZLE-TO-SAFE-END WELD	UT96102 PT96086 UTQ1349	
2RCS*REV21-N-25	NOZZLE-TO-SAFE-END WELD	UT96103 PT96087 UTQ1349	
2RCS*REV21-N-27	NOZZLE-TO-SAFE-END WELD	UT96104 PT96085 UTQ1349	
** ASME ITEM NUMBER / EXAM CATEGORY: B05.040 B-F			
2RCS*PRE21-107Z	NOZZLE-TO-SAFE-END	UT96128 PT96101	
** ASME ITEM NUMBER / EXAM CATEGORY: B05.070 B-F			
2RCS-007-F04	NOZZLE TO SAFE-END	UT96152 PT96131	LIMITED UT, REFERENCE RELIEF BV2-B5.70-1.
2RCS-008-F01	NOZZLE TO SAFE-END	UT96153 PT96132	LIMITED UT, REFERENCE RELIEF BV2-B5.70-1.
** ASME ITEM NUMBER / EXAM CATEGORY: B06.040 B-G-1			
2RCS*REV21-LIG-01	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-02	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-03	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-04	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-05	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-06	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-07	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-08	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-09	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-10	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-11	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-12	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-13	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-14	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-15	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-16	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-17	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-18	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-19	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-20	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-21	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-22	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-23	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-24	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-25	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-26	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-27	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-28	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-29	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-30	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-31	THREADS IN FLANGE	UTQ1349	

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2RCS*REV21-LIG-32	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-33	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-34	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-35	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-36	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-37	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-38	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-39	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-40	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-41	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-42	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-43	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-44	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-45	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-46	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-47	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-48	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-49	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-50	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-51	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-52	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-53	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-54	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-55	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-56	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-57	THREADS IN FLANGE	UTQ1349	
2RCS*REV21-LIG-58	THREADS IN FLANGE	UTQ1349	
** ASME ITEM NUMBER / EXAM CATEGORY: B06.190 B-G-1			
2RCS*P21A-LIG	FLANGE LIGAMENTS	VT96197	
** ASME ITEM NUMBER / EXAM CATEGORY: B07.070 B-G-2			
2RCS-MOV536-B-1 TO 14	2RCS-MOV536 STUDS AND NUTS	VT96216	
2SIS-141-B-1 TO 18	2SIS-141 STUDS AND NUTS	VT96201	
2SIS-129-B-1 TO 16	2SIS-129 BOLTS	VT96227	
2CHS-871-B-1 TO 16	2CHS-871 BOLTS AND NUTS	VT96234	
** ASME ITEM NUMBER / EXAM CATEGORY: B08.020 B-H			
2RCS*PRE21-C-8	SKIRT CIRC WELD	UT96121	FROM DATUM 15, 16, TO 1. LIMITED UT REFER TO RELIEF REQUEST BV2-B8.20-1.
2RCS*PRE21-WL-2	INTEGRAL ATTACHMENT LUG	PT96130	
2RCS*PRE21-WL-3	INTEGRAL ATTACHMENT LUG	PT96130	
** ASME ITEM NUMBER / EXAM CATEGORY: B09.011 B-J			
2CHS-490-1C	PIPE WELD	UT96147	
		PT96115	
2RCS-003-F04	PIPE WELD	UT96099	
		PT96081	
		UTQ1349	
2RCS-006-F04	PIPE WELD	UT96100	
		PT96087	
		UTQ1349	
2RCS-009-F01	PIPE WELD	UT96105	LIMITED UT, REF RELIEF BV2-B9.11-1.

BVPS-2 2R06 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2RCS-009-F04	PIPE WELD	PT96092 UT96101 PT96086 UT961349	
2RCS-002-2-1	PIPE WELD	UT96156 PT96133	
2RCS-107-F01	PIPE WELD	UT96129 PT96098	
2SIS-069-1C	PIPE WELD	UT96148	UT ONLY 2R06. PT'D IN 2R05.
2SIS-271-F02	PIPE WELD	PT96095	PT ONLY 2R06. UT'D IN 2R05.
** ASME ITEM NUMBER / EXAM CATEGORY: 809.021 B-J			
LCMS-141-1C	BUTT WELD	PT96119	
2CHS-141-1D	BUTT WELD	PT96119	
2CHS-141-1E	BUTT WELD	PT96119	
2CHS-141-F02	BUTT WELD	PT96119	
2CHS-141-2A	BUTT WELD	PT96119	
2CHS-141-2B	BUTT WELD	PT96119	
2CHS-141-2C	BUTT WELD	PT96119	
2CHS-141-F03	BUTT WELD	PT96119	
2CHS-096-F504	BUTT WELD	PT96096	
2CHS-096-F10	BUTT WELD	PT96114	
2CHS-098-2A	BUTT WELD	PT96120	
2CHS-098-F03	BUTT WELD	PT96120	
2CHS-098-3A	BUTT WELD	PT96120	
2CHS-098-3C	BUTT WELD	PT96120	
2CHS-098-3B	BUTT WELD	PT96120	
2DGS-001-12A	BUTT WELD	PT96105	
2DGS-001-F11	BUTT WELD	PT96105	
2DGS-001-11C	BUTT WELD	PT96105	
2DGS-212-1D	BUTT WELD	PT96103	
2DGS-212-F402	BUTT WELD	PT96103	
2RCS-082-4D	BUTT WELD	PT96097	
2RCS-082-F06	BUTT WELD	PT96097	
2RCS-082-5F	BUTT WELD	PT96097	
2RCS-082-5A	BUTT WELD	PT96102	
2RCS-082-5B	BUTT WELD	PT96102	
2RCS-082-5C	BUTT WELD	PT96102	
2RCS-082-F07	BUTT WELD	PT96102	
2RCS-082-6A	BUTT WELD	PT96102	
2RCS-082-6B	BUTT WELD	PT96102	
2RCS-082-F08	BUTT WELD	PT96102	
2SIS-311-F05	BUTT WELD	PT96126	
2SIS-311-F510	BUTT WELD	PT96126	
2SIS-372-F400	BUTT WELD	PT96126	
2SIS-311-F511	BUTT WELD	PT96126	
2SIS-311-6C-A	BUTT WELD	PT96126	
2SIS-310-F503	BUTT WELD	PT96112	
2SIS-310-F501	BUTT WELD	PT96112	
2SIS-310-2A	BUTT WELD	PT96112	
2SIS-310-2C	BUTT WELD	PT96112	
2SIS-310-F502A	BUTT WELD	PT96112	

BVPS-2 2R06 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
** ASME ITEM NUMBER / EXAM CATEGORY: 909.031 B-J			
2RCS-009-2-3	PIPE WELD	UT96108	LIMITED UT, REFERENCE RELIEF REQUEST
		PT96091	BV2-B9.31-1.
2RCS-001-1A-1	PIPE WELD	UT06109	ONLY UT REQ'D IN 2R06. PT'D IN 2R05. REF RELIEF BV2-B9.31-1
2RCS-007-1-1	PIPE WELD	UT96110	ONLY UT REQ'D IN 2R06. PT'D IN 2R05. REF RELIEF BV2-B9.31-1
** ASME ITEM NUMBER / EXAM CATEGORY: 809.032 B-J			
2SIS-310-1B-D	PIPE WELD	PT96112	
** ASME ITEM NUMBER / EXAM CATEGORY: 809.040 B-J			
2CHS-023-F07	SOCKET WELD	PT96116	
2CHS-023-F08	SOCKET WELD	PT96116	
2SIS-152-F02	SOCKET WELD	PT96123	
2SIS-152-2A	SOCKET WELD	PT96123	
2SIS-152-2B	SOCKET WELD	PT96123	
2SIS-108-F02A	SOCKET WELD	PT96122	
2SIS-108-2A-A	SOCKET WELD	PT96122	
2SIS-108-2A-B	SOCKET WELD	PT96122	
2SIS-108-2A-C	SOCKET WELD	PT96122	
2SIS-108-F03A	SOCKET WELD	PT96122	
** ASME ITEM NUMBER / EXAM CATEGORY: 810.010 B-K-1			
2SIS-067-F507	WELDED ATTACHMENT FOR 2SIS-PSSH006A	PT96093	
2SIS-067-F508	WELDED ATTACHMENT FOR 2SIS-PSSH006A	PT96093	
2SIS-071-F508	WELDED ATTACHMENT FOR 2SIS-PSSH011A	PT96117	
2SIS-071-F509	WELDED ATTACHMENT FOR 2SIS-PSSH011A	PT96117	
2SIS-071-F510	WELDED ATTACHMENT FOR 2SIS-PSSH011B	PT96117	
2SIS-071-F511	WELDED ATTACHMENT FOR 2SIS-PSSH011B	PT96117	
** ASME ITEM NUMBER / EXAM CATEGORY: 812.010 B-L-1			
2RCS*P21A-C-1	PUMP CASING WELD	PT96118	
** ASME ITEM NUMBER / EXAM CATEGORY: 812.050 B-M-2			
2RCS-RV551-00-0007	VALVE BODY RV - 6"	VT96279	
** ASME ITEM NUMBER / EXAM CATEGORY: 813.010 B-N-1			
2RCS*REV21-INT	VESSEL INTERIOR	VT96260	
** ASME ITEM NUMBER / EXAM CATEGORY: 813.060 B-N-2			
2RCS*REV21-CORE-ATT	CORE RADIAL SUPPORTS (4)	VT96220	
** ASME ITEM NUMBER / EXAM CATEGORY: 813.070 B-N-3			
2RCS*REV21-CORE	CORE SUPPORT STRUCTURE	VT96260	
** ASME ITEM NUMBER / EXAM CATEGORY: C01.010 C-A			
2RCS*SG21B-C-03	SHELL CIRCUMFERENTIAL WELD # 3	UT96155	
2RCS*SG21B-C-05	SHELL CIRCUMFERENTIAL WELD # 5	UT96126	FROM DATUM 12 TO 0. 66% OF WELD.
** ASME ITEM NUMBER / EXAM CATEGORY: C01.030 C-A			
2RCS*SG21B-C-02	TUBESHEET-TO-SHELL WELD # 2	UT96154	
2RSS*E21A-C-1	TUBESHEET TO SHELL WELD # 1	UT96158	SCAN LIMITATION, 90.17% VOLUME COVERED.

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2RSS*E21A-C-11	TUBESHEET TO SHELL WELD # 11	UT96157	SCAN LIMITATION, 90.17% VOLUME COVERED.
** ASME ITEM NUMBER / EXAM CATEGORY: C02.011 C-B			
2RSS*E21A-N-12	NOZZLE TO SHELL REINF PAD WELD	PT95213	
2RSS*E21A-N-13	NOZZLE TO SHELL REINF PAD WELD	PT95213	
2RSS*E21A-N-12A	NOZZLE TO SHELL REINF PAD WELD	PT95213	
2RSS*E21A-N-13A	NOZZLE TO SHELL REINF PAD WELD	PT95213	
** ASME ITEM NUMBER / EXAM CATEGORY: C02.021 C-B			
2RHS*E21A-N-4	NOZZLE-TO-SHELL WELD # 4	UT96138	UT LIMITED TO 80% COVERAGE, REFER TO RELIEF PT96104 REQUEST BV2-C2.21-1.
** ASME ITEM NUMBER / EXAM CATEGORY: C02.022 C-B			
2RCS*SG21A-N-091R	NOZZLE INSIDE RADIUS	UT96106	
2RCS*SG21A-N-101R	NOZZLE INSIDE RADIUS	UT96107	
** ASME ITEM NUMBER / EXAM CATEGORY: C03.010 C-C			
2RSS*E21A-A-7	WELDED GUSSET PLATE FOR WS-2	PT95214	
2RSS*E21A-A-6	WELDED GUSSET PLATE FOR WS-2	PT95214	
** ASME ITEM NUMBER / EXAM CATEGORY: C03.020 C-C			
2RSS-004-F826	WELDED ATTACHMENT FOR 2RSS-PSSP479A	PT95198	
2RSS-004-F828	WELDED ATTACHMENT FOR 2RSS-PSSP479A	PT95198	
2RSS-004-F827	WELDED ATTACHMENT FOR 2RSS-PSSP479B	PT95198	
2RSS-004-F829	WELDED ATTACHMENT FOR 2RSS-PSSP479B	PT95198	
2RSS-004-F830	WELDED ATTACHMENT FOR 2RSS-PSSH454A	PT95198	
2RSS-004-F831	WELDED ATTACHMENT FOR 2RSS-PSSH454B	PT95198	
2RSS-011-F825	WELDED ATTACHMENT FOR 2RSS-PSSH464A	PT95208	
2RSS-011-F826	WELDED ATTACHMENT FOR 2RSS-PSSH464A	PT95208	
2RSS-011-F824	WELDED ATTACHMENT FOR 2RSS-PSSH464B	PT95208	
2RSS-011-F827	WELDED ATTACHMENT FOR 2RSS-PSSH464B	PT95208	
2RSS-012-F831	WELDED ATTACHMENT FOR 2RSS-PSSH107	PT95206	
2RSS-012-F832	WELDED ATTACHMENT FOR 2RSS-PSSH107	PT95206	
2RSS-012-F833	WELDED ATTACHMENT FOR 2RSS-PSSH107	PT95206	
2RSS-012-F834	WELDED ATTACHMENT FOR 2RSS-PSSH107	PT95206	
2SIS-017-F804	WELDED ATTACHMENT FOR 2SIS-PSA757	PT96106	
** ASME ITEM NUMBER / EXAM CATEGORY: C03.030 C-C			
2CHS*P21A-A-1	WELDED ATTACHMENT FOR WS-4	PT95211	
2CHS*P21A-A-2	WELDED ATTACHMENT FOR WS-3	PT95211	
2CHS*P21A-A-3	WELDED ATTACHMENT FOR WS-2	PT95211	
2CHS*P21A-A-4	WELDED ATTACHMENT FOR WS-1	PT95211	
2RSS*P21A-A-1	WELDED ATTACHMENT - GUSSET PLATE	PT95215	
2RSS*P21A-A-2	WELDED ATTACHMENT - GUSSET PLATE	PT95215	
2RSS*P21A-A-3	WELDED ATTACHMENT - GUSSET PLATE	PT95215	
2RSS*P21A-A-4	WELDED ATTACHMENT - GUSSET PLATE	PT95215	
2RSS*P21A-A-5	WELDED ATTACHMENT - GUSSET PLATE	PT95215	
2RSS*P21A-A-8	WELDED ATTACHMENT FOR WS-2	PT96138	
2RSS*P21A-A-9	WELDED ATTACHMENT FOR WS-2	PT96138	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.011 C-F-1			
2QSS-1 -3AA	BUTT WELD	UT95241	
		PT95210	

BVPS-2 2R06 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2QSS-001-F506	BUTT WELD	UT95248 UT95242 PT95210	
2QSS-1 -4AC	BUTT WELD	UT95249 UT95243 PT95210	
2QSS-1 -6A	BUTT WELD	UT95250 UT95254 PT95210	
2QSS-2 -1AF	BUTT WELD	UT95239 PT95201	
2QSS-2 -3AC	BUTT WELD	UT95238 PT95203	
2QSS-2 -3A	BUTT WELD	UT95237 PT95203	
2QSS-2 -3AA	BUTT WELD	UT95236 PT95203	
2RHS-6 -3A	BUTT WELD	UT96142 PT96109	
2RHS-6 -4A	BUTT WELD	UT96143 PT96109	
2RHS-018-F06	BUTT WELD	UT96149 PT96128	
2RHS-018-F07	BUTT WELD	UT96144 PT96108	
2RHS-18 -11B	BUTT WELD	UT96145 PT96108	
2RHS-018-F10	BUTT WELD	UT96146 PT96108	
2RHS-016-F19	BUTT WELD	UT96125 PT96094	
2RSS-11 -19B	BUTT WELD	UT95244 PT95209	
2RSS-11 -19C	BUTT WELD	UT95251 UT95245 PT95209	
2RSS-001-F-515	BUTT WELD	UT95252 UT95246 PT95207	
2RSS-9 -1C	BUTT WELD	UT95247 PT95205 UT95253	
2SIS-9 -4A	BUTT WELD	UT96130 PT96099	
2SIS-9 -4C	BUTT WELD	UT96131 PT96099	
2SIS-18 -1AA	BUTT WELD	UT96132 PT96100	
2SIS-18 -1AB	BUTT WELD	UT96133	UT LIMITED TO 85% COVERAGE, REFER TO RELIEF REQUEST BV2-C5.11-1.
2SIS-018-F01	BUTT WELD	PT96100 UT96134	
2SIS-018-2B	BUTT WELD	PT96100 UT96135	

BVPS-2 2R06 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2SIS-018-2D	BUTT WELD	PT96100 UT96136	
2SIS-267-F501	BUTT WELD	PT96100 UT96137	
2SIS-17-3AB	BUTT WELD	PT96100 UT96139	
2SIS-017-F501	BUTT WELD	PT96107 UT96140	
2SIS-017-F04	BUTT WELD	PT96107 UT96141	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.021 C-F-1			
2CHS-070-F06	BUTT WELD	UT95240 PT95202	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.030 C-F-1			
2CHS-083-F04	SOCKET WELD	PT95192	
2CHS-083-F05	SOCKET WELD	PT95192	
2CHS-083-F06	SOCKET WELD	PT95192	
2CHS-083-F501	SOCKET WELD	PT96081	
2CHS-84-2A	SOCKET WELD	PT96079	
2CHS-084-F04	SOCKET WELD	PT96137	
2CHS-084-F05	SOCKET WELD	PT96137	
2CHS-085-F04	SOCKET WELD	PT96080	
2CHS-085-3A	SOCKET WELD	PT95191	
2CHS-85-F05	SOCKET WELD	PT95191	
2CHS-435-1C	SOCKET WELD	PT96082	
2CHS-086-F01	SOCKET WELD	PT96136	
2CHS-086-F02	SOCKET WELD	PT96136	
2CHS-086-2K	SOCKET WELD	PT96078	
2CHS-25-2	SOCKET WELD	PT96121	
2SIS-259-F3A	SOCKET WELD	PT96125	
2SIS-111-3	SOCKET WELD	PT96111	
2SIS-104-F36	SOCKET WELD	PT96113	
2SIS-115-7	SOCKET WELD	PT96110	
2SIS-113-F30	SOCKET WELD	PT96124	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.052 C-F-2			
2MSS-035-L07	LONGITUDINAL WELD	UT96150 MT96031	
** ASME ITEM NUMBER / EXAM CATEGORY: C06.010 C-G			
2RSS*P21A-L-06	PUMP CASING WELD # 6	PT95212	
2RSS*P21A-C-07	PUMP CASING WELD # 7	PT95212	
2RSS*P21A-L-08	PUMP CASING WELD # 8	PT95212	
2RSS*P21A-C-09	PUMP CASING WELD # 9	PT95212	
2RSS*P21A-C-10	PUMP CASING WELD #10	PT95212	
2RSS*P21A-L-16	PUMP CASING WELD #16	PT95212	
2RSS*P21A-C-17	PUMP CASING WELD #17	PT95212	

BVPS-2 2R06 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2RSS*P21A-C-18	PUMP CASING WELD #18	PT95212	
2RSS*P21A-C-19	PUMP CASING WELD #19	PT95212	
2RSS*P21A-N-20	PUMP CASING WELD #20	PT95212	
2RSS*P21A-L-22	PUMP CASING WELD #22	PT95212	

** ASME ITEM NUMBER / EXAM CATEGORY: D02.020 D-B

2SVS-029-F-801	WELDED ATTACHMENT FOR 2SVS-PSR235Y	VT95474
2SVS-029-F-802	WELDED ATTACHMENT FOR 2SVS-PSR235Y	VT95474
2SVS-029-F-803	WELDED ATTACHMENT FOR 2SVS-PSR235Y	VT95474
2SVS-029-F-804	WELDED ATTACHMENT FOR 2SVS-PSR235Y	VT95474
2SWS-165-F-508	WELDED ATTACHMENT FOR 2SWS-PSR009	VT95443
2SWS-165-F-509	WELDED ATTACHMENT FOR 2SWS-PSR009	VT95443
2SWS-165-F-510	WELDED ATTACHMENT FOR 2SWS-PSR009	VT95443
2SWS-165-F-505	WELDED ATTACHMENT FOR 2SWS-PSR010	VT95443
2SWS-165-F-504	WELDED ATTACHMENT FOR 2SWS-PSR011	VT95443
2SWS-166-F-505	WELDED ATTACHMENT FOR 2SWS-PSR006	VT96138
2SWS-166-F-506	WELDED ATTACHMENT FOR 2SWS-PSR006	VT96138
2SWS-166-F-507	WELDED ATTACHMENT FOR 2SWS-PSR006	VT96138
2SWS-166-F-503	WELDED ATTACHMENT FOR 2SWS-PSR004	VT96137
2SWS-166-F-502	WELDED ATTACHMENT FOR 2SWS-PSR003	VT96137
2SWS-166-F-501	WELDED ATTACHMENT FOR 2SWS-PSR002	VT96137
2SWS-188-F-504	WELDED ATTACHMENT FOR 2SWS-PSA140	VT95445
2SWS-185-F-504	WELDED ATTACHMENT FOR 2SWS-PSA139	VT95463
2SWS-200-F-800	WELDED ATTACHMENT FOR 2SWS-PSA062Y	VT95473
2SWS-200-F-501	WELDED ATTACHMENT FOR 2SWS-PSR058	VT95445
2SWS-200-F-502	WELDED ATTACHMENT FOR 2SWS-PSR058	VT95445
2SWS-200-F-801	WELDED ATTACHMENT FOR 2SWS-PSR058	VT95445
2SWS-200-F-802	WELDED ATTACHMENT FOR 2SWS-PSR058	VT95445
2SWS-200-F-803	WELDED ATTACHMENT FOR 2SWS-PSR058	VT95445
2SWS-200-F-804	WELDED ATTACHMENT FOR 2SWS-PSR058	VT95445
2SWS-201-F-517	WELDED ATTACHMENT FOR 2SWS-PSA072	VT95464
2SWS-201-F-501	WELDED ATTACHMENT FOR 2SWS-PSR068	VT95464
2SWS-201-F-502	WELDED ATTACHMENT FOR 2SWS-PSR068	VT95464
2SWS-201-F-800	WELDED ATTACHMENT FOR 2SWS-PSR068	VT95464
2SWS-201-F-801	WELDED ATTACHMENT FOR 2SWS-PSR068	VT95464
2SWS-201-F-802	WELDED ATTACHMENT FOR 2SWS-PSR068	VT95464
2SWS-201-F-803	WELDED ATTACHMENT FOR 2SWS-PSR068	VT95464
2SWS-198-F-800	WELDED ATTACHMENT FOR 2SWS-PSR154	VT95445
2SWS-198-F-801	WELDED ATTACHMENT FOR 2SWS-PSR154	VT95445
2SWS-198-F-802	WELDED ATTACHMENT FOR 2SWS-PSR154	VT95445
2SWS-198-F-803	WELDED ATTACHMENT FOR 2SWS-PSR154	VT95445
2SWS-150-F-800	WELDED ATTACHMENT FOR 2SWS-PSA284Y	VT95448
2SWS-198-F-804	WELDED ATTACHMENT FOR 2SWS-PSR233	VT95465
2SWS-198-F-805	WELDED ATTACHMENT FOR 2SWS-PSR233	VT95465
2SWS-198-F-806	WELDED ATTACHMENT FOR 2SWS-PSR233	VT95465
2SWS-198-F-807	WELDED ATTACHMENT FOR 2SWS-PSR233	VT95465
2SWS-166-F-508	WELDED ATTACHMENT FOR 2SWS-PSR001	VT95466
2SWS-165-F-506	WELDED ATTACHMENT FOR 2SWS-PSR012	VT95443
2SWS-143-F-504	WELDED ATTACHMENT FOR 2SWS-PSR026	VT95467
2SWS-142-F-504	WELDED ATTACHMENT FOR 2SWS-PSR032	VT95443
2SWS-014-F-27-C	WELDED ATTACHMENT FOR 2SWS-PSR788	VT95449

BVPS-2 2R06 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2SWS-014-F-28-C	WELDED ATTACHMENT FOR 2SWS-PSR788	VT95449	
2SWS-014-F-29-C	WELDED ATTACHMENT FOR 2SWS-PSR788	VT95449	
2SWS-014-F-30-C	WELDED ATTACHMENT FOR 2SWS-PSR788	VT95449	
2SWS-005-F-30	WELDED ATTACHMENT FOR 2SWS-PSR787	VT95468	
2SWS-005-F-31	WELDED ATTACHMENT FOR 2SWS-PSR787	VT95468	
2SWS-005-F-32	WELDED ATTACHMENT FOR 2SWS-PSR787	VT95468	
2SWS-005-F-33	WELDED ATTACHMENT FOR 2SWS-PSR787	VT95468	
2FWE-108-F-804	WELDED ATTACHMENT FOR 2FWE-PSSH017	VT96190	
2FWE-108-F-805	WELDED ATTACHMENT FOR 2FWE-PSSH017	VT96190	
2FWE-108-F-806	WELDED ATTACHMENT FOR 2FWE-PSSH017	VT96190	
2FWE-108-F-807	WELDED ATTACHMENT FOR 2FWE-PSSH017	VT96190	
2FWE-113-F-800	WELDED ATTACHMENT FOR 2FWE-PSSH022A&B	VT96192	
2FWE-113-F-801	WELDED ATTACHMENT FOR 2FWE-PSSH022A&B	VT96192	
2FWE-113-F-802	WELDED ATTACHMENT FOR 2FWE-PSSH022A&B	VT96192	
2FWE-113-F-803	WELDED ATTACHMENT FOR 2FWE-PSSH022A&B	VT96192	
2FWE-113-F-804	WELDED ATTACHMENT FOR 2FWE-PSA028	VT96192	
2FWE-117-F-804	WELDED ATTACHMENT FOR 2FWE-PSSH025	VT96193	
2FWE-117-F-805	WELDED ATTACHMENT FOR 2FWE-PSSH025	VT96193	
2FWE-117-F-806	WELDED ATTACHMENT FOR 2FWE-PSSH025	VT96193	
2FWE-117-F-807	WELDED ATTACHMENT FOR 2FWE-PSSH025	VT96193	

** ASME ITEM NUMBER / EXAM CATEGORY: D02.040 D-B

2SWS-014-F-800	WELDED ATTACHMENT FOR 2SWS-PSSH760A	VT95462	
2SWS-014-F-801	WELDED ATTACHMENT FOR 2SWS-PSSH760A	VT95462	
2SWS-014-F-802	WELDED ATTACHMENT FOR 2SWS-PSSH760B	VT95462	
2SWS-014-F-803	WELDED ATTACHMENT FOR 2SWS-PSSH760B	VT95462	
2SWS-005-F-10A	WELDED ATTACHMENT FOR 2SWS-R283	VT95469	
2SWS-005-F-12	WELDED ATTACHMENT FOR 2SWS-R283	VT95469	
2SWS-005-F-29	WELDED ATTACHMENT FOR 2SWS-R283	VT95469	
2SWS-005-F-34	WELDED ATTACHMENT FOR 2SWS-R283	VT95469	
2SWS-005-F-35	WELDED ATTACHMENT FOR 2SWS-R283	VT95469	
2SWS-005-F-41	WELDED ATTACHMENT FOR 2SWS-R283	VT95469	

** ASME ITEM NUMBER / EXAM CATEGORY: F01.10A F-A

2RCS-PSA029	SUPPORT	VT96230	
-------------	---------	---------	--

** ASME ITEM NUMBER / EXAM CATEGORY: F01.10R F-A

2CHS-PSR038	SUPPORT	VT96236	
2CHS-PSR073	SUPPORT	VT96235	
2DGS-PSR108	SUPPORT	VT96239	
2DGS-PSR103	SUPPORT	VT96239	
2DGS-PSR095	SUPPORT	VT96218	
2RCS-PSR006	SUPPORT	VT96240	
2SIS-PRR804	SUPPORT	VT96203	
2SIS-PSR536	SUPPORT	VT96237	
2SIS-PSR516	SUPPORT	VT96237	

** ASME ITEM NUMBER / EXAM CATEGORY: F01.10S F-A

2RCS-PSSH058X	SUPPORT	VT96242	
---------------	---------	---------	--

** ASME ITEM NUMBER / EXAM CATEGORY: F01.10T F-A

2CHS-PSST037	SUPPORT	VT96236	
2CHS-PSST072	SUPPORT	VT96235	

BVPS-2 2R06 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2DGS-PSST840B	SUPPORT	VT96239	
2RCS-PSST022X	SUPPORT	VT96242	
2RCS-PSST008	SUPPORT	VT96243	
2SIS-PSST608	SUPPORT	VT96225	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20A F-A			
2CHS-PSA188R	SUPPORT	VT96269	
2SIS-PSA004	SUPPORT	VT95434	
2SIS-PSA147R	SUPPORT	VT96226	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20R F-A			
2CHS-PSR077Y	SUPPORT	VT95436	
2CHS-PSR058R	SUPPORT	VT96140	
2CHS-PSR066R	SUPPORT	VT96270	
2CHS-PSR187R	SUPPORT	VT96270	
2CHS-PSR076R	SUPPORT	VT96269	
2CHS-PSR678R	SUPPORT	VT96141	
2CHS-PSR813	SUPPORT	VT95455	
2MSS-PSR003	SUPPORT	VT96244	
2QSS-PSR727	SUPPORT	VT95458	
2RHS-PSR453	SUPPORT	VT96238	
2RHS-PSR750	SUPPORT	VT96245	
2SIS-PSR002	SUPPORT	VT95434	
2SIS-PSR304R	SUPPORT	VT96232	
2SIS-PSR256S	SUPPORT	VT96181	DR 96-0032 REPORTED CORROSION=> REPLACE BASEPLATE.
2FWE-PSR012A	SUPPORT	VT96194	
2FWE-PSR021	SUPPORT	VT96191	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20S F-A			
2FWS-PSSH002	SUPPORT	VT96246	
2RHS-PSSH528X	SUPPORT	VT96221	
2RSS-PSSH454A	SUPPORT	VT95440	
2RSS-PSSH454B	SUPPORT	VT95440	
2FWE-PSSH017	SUPPORT	VT96189	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20T F-A			
2QSS-PSST734	SUPPORT	VT95458	
2QSS-PSST176A	SUPPORT	VT95459	
2SIS-PSST297X	SUPPORT	VT96222	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30A F-A			
2SWS-PSA140	SUPPORT	VT95445	
2SWS-PSA139	SUPPORT	VT95463	
2SWS-PSA072	SUPPORT	VT95464	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30H F-A			
2SWS-R283	SUPPORT	VT95469	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30R F-A			
2CCP-PSR048	SUPPORT	VT95453	
2FWE-PSR024Y	SUPPORT	VT95472	
2SWS-PSR003	SUPPORT	VT96137	

BVPS-2 2R06 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2SWS-PSR076	SUPPORT	VT95464	
2SWS-PSR656T	SUPPORT	VT95470	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30S F-A			
2SWS-PSSH760A	SUPPORT	VT95462	
2SWS-PSSH760Y	SUPPORT	VT95471	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30T F-A			
2SWS-PSST657T	SUPPORT	VT95470	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.40E F-A			
2RSS*E21A-WS-1	MECHANICAL RESTRAINT	VT95476	BROKEN BOLT. REPLACE MWR 047421. CLEARING Q960076 REPORT Q960076.
2RSS*E21A-WS-3	MECHANICAL RESTRAINT	VT95476	THRD ENG OK PER 33392A/34420/34576.
2RSS*E21A-WS-2	STRUCTURAL SUPPORT	VT95476	
2RSS*P21A-WS-1	PUMP SUPPORT NO. 1 - SEISMIC LUGS	VT95478	THRD ENG OK PER N&D44046
2RSS*P21A-WS-2	PUMP SUPPORT NO. 2 - SEISMIC LUGS	VT95478	THRD ENG OK PER N&D44046
2RSS*P21A-WS-3	PUMP SUPPORT NO. 3 - W/ MNTNG PLATE	VT95478	
2RCS*REV21-SUP-SAD-2	A LOOP INLET NOZZLE SADDLE	VT96187	
2RCS*REV21-SUP-SAD-4	B LOOP INLET NOZZLE SADDLE	VT96187	
2RCS*REV21-SUP-SAD-6	C LOOP INLET NOZZLE SADDLE	VT96187	
2SWS*P21A-MS-1 TO MS-3	PUMP SUPPORTS	VT96271	
* ASME ITEM NUMBER / EXAM CATEGORY: NR0612			
RC PUMP MOTOR LIFT RIG		MT96030	

APPENDIX IA

INCOMPLETE/LIMITED
CODE EXAMINATIONS

APPENDIX IA - Incomplete / Limited Examinations

This appendix identifies the only exams that have not been completed or do not have an approved relief request for the current Ten-Year interval.

Component name	Component description	Item #	Limitation / Problem	Completed Exam Coverage	Status
2RCS*REV21-C-4	Reactor vessel shell to lower head weld	B1.11	Limited UT exam due to four core support lugs	89.35%	Relief Request to be submitted
2RCS*PRE21-N-10	Pressurizer nozzle to vessel weld (relief nozzle)	B3.110	Nozzle curvature	70%	Relief Request to be submitted
2RCS*PRE21-N-11	Pressurizer nozzle to vessel weld (relief nozzle)	B3.110	Nozzle curvature	70%	Relief Request to be submitted
2RCS*PRE21-N-12	Pressurizer nozzle to vessel weld (relief nozzle)	B3.110	Nozzle curvature	70%	Relief Request to be submitted
2RCS*PRE21-N-13	Pressurizer nozzle to vessel weld (relief nozzle)	B3.110	Nozzle curvature	70%	Relief Request to be submitted
2RCS*PRE21-N-14	Pressurizer nozzle to vessel weld (spray nozzle)	B3.110	Nozzle curvature	70%	Relief Request to be submitted
2SWS-185-F-804	Welded attachment for support 2SWS-PSA289S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-185-F-805	Welded attachment for support 2SWS-PSA289S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-185-F-806	Welded attachment for support 2SWS-PSA289S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-185-F-807	Welded attachment for support 2SWS-PSA289S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-185-F-808	Welded attachment for support 2SWS-PSA289S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-185-F-809	Welded attachment for support 2SWS-PSA289S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-188-F-520	Welded attachment for support 2SWS-PSA290S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-188-F-802	Welded attachment for support 2SWS-PSA290S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-188-F-808	Welded attachment for support 2SWS-PSA290S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-188-F-809	Welded attachment for support 2SWS-PSA290S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-188-F-810	Welded attachment for support 2SWS-PSA290S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted
2SWS-188-F-811	Welded attachment for support 2SWS-PSA290S	D2.20	Limited access to remove insulation	Limited to surface of insulation	Request for code case implementation to be submitted

APPENDIX IB

DISASSEMBLY REQUIRED
EXAMINATIONS

APPENDIX IB - Disassembly Required

The items listed below have approved relief requests allowing relief from disassembling the component strictly to perform the noted examination. Had the component been disassembled for maintenance purposes the examination would have been performed. For the current Ten-Year interval, these components were not disassembled.

Component name	Exam description	Item #	Relief Request #	Status
2RCS*P21A, -21B, -21C	Pump casing weld - UT Internal surfaces - VT-3	B12.10 B12.20	BV2-B12.10-1, Rev. 1 Code Case N-481	No reactor coolant pump was disassembled during the current interval.
2RCS-MOV-590 2RCS-MOV-591 2RCS-MOV-592 2RCS-MOV-593 2RCS-MOV-594 2RCS-MOV-595 2RCS-MOV-585 2RCS-MOV-586 2RCS-MOV-587 2RHS-MOV-701A 2RHS-MOV-701B 2RHS-MOV-702A 2RHS-MOV-702B 2SIS-141 2SIS-142 2SIS-145 2SIS-147 2SIS-148 2SIS-151 2SIS-107 2SIS-108 2SIS-109 2SIS-128 2SIS-129 2SIS-545 2SIS-546 2SIS-547 2SIS-548 2SIS-550 2SIS-552	Valve body internal surfaces - VT-3 (One valve of each group of valves that are of the same design and manufacturing method, and that perform similar functions in the system)	B12.50	BV2-B12.50-1, Rev. 0	None of these valves was disassembled during the current interval.

APPENDIX II

ADDITIONAL OR SUCCESSIVE
EXAMINATIONS

APPENDIX II - ADDITIONAL OR SUCCESSIVE EXAMINATIONS

BVPS-2 2R06 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20A F-A			
2SIS-PSA297S	SUPPORT	VT96202	ADDITIONAL EXAM, DR96-0032.
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20R F-A			
2SIS-PSR237S	SUPPORT	VT96202	ADDITIONAL EXAM, DR96-0032.
2SIS-PSR247S	SUPPORT	VT96202	ADDITIONAL EXAM, DR96-0032.
2SIS-PSR254S	SUPPORT	VT96202	ADDITIONAL EXAM, DR96-0032.
2SIS-PSR264S	SUPPORT	VT96202	ADDITIONAL EXAM, DR96-0032.
2SIS-PSR273S	SUPPORT	VT96202	ADDITIONAL EXAM, DR96-0032.
2SIS-PSR282S	SUPPORT	VT96202	ADDITIONAL EXAM, DR96-0032.
2SIS-PSR310S	SUPPORT	VT96202	ADDITIONAL EXAM, DR96-0032.
2SIS-PSR333S	SUPPORT	VT96202	ADDITIONAL EXAM, DR96-0032.
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20T F-A			
2RHS-PSST517X	SUPPORT	VT96224	SUCCESSIVE EXAM COMPLETE.
** ASME ITEM NUMBER / EXAM CATEGORY: F01.40E F-A			
2RSS*E21B-WS-1	MECHANICAL RESTRAINT	VT95477	ADDITIONAL EXAM, DR95-0077.
2RSS*E21B-WS-3	MECHANICAL RESTRAINT	VT95477	ADDITIONAL EXAM, DR95-0077.
2RSS*E21D-WS-1	MECHANICAL RESTRAINT	VT95477	ADDITIONAL EXAM, DR95-0077.
2RSS*E21D-WS-3	MECHANICAL RESTRAINT	VT95477	ADDITIONAL EXAM, DR95-0077.
2RSS*E21C-WS-1	MECHANICAL RESTRAINT	VT95477	ADDITIONAL EXAM, DR95-0077.
2RSS*E21C-WS-3	MECHANICAL RESTRAINT	VT95477	ADDITIONAL EXAM, DR95-0077.

APPENDIX III
DEFICIENCY REPORT

APPENDIX III - DEFICIENCY REPORT

2R06 DEFICIENCY REPORT

COMPONENT -----	REJECTING REPORT -----	DR NUMBER -----	DESCRIPTION -----	MWR NUMBER -----	CLOSING DOCUMENT -----
2RSS-E21A-WS-1	VT95-476	95-0077	Broken bolt	047721	996-0076
2S15-PSR256S	VT96-181	96-0032	Corroded baseplate	055838	996-3790

APPENDIX IV

REACTOR VESSEL
EXAMINATION SUMMARY

APPENDIX IV

BV-2 2R06 Reactor Vessel Examination Summary

Summary Number	Identification	Description	Percentage Examined	Results/Limitations
205200	2RCS*-REV21-C-1B	Upper shell to flange circumferential weld (from vessel shell)	90%	No Recordable Indications. Scanned to the maximum extent possible on taper geometry, including supplemental scans. Limitation due to taper.
205300	2RCS*-REV21-C-2	Upper to intermediate circumferential shell weld	100%	No Recordable Indications.
205400	2RCS*-REV21-C-3	Intermediate to lower circumferential shell weld	100%	No Recordable Indications.
205500	2RCS*-REV21-C-4	Lower shell to bottom shell circumferential weld	89.35%	No Recordable Indications. Limitation due to four support lugs. Scanned maximum extent possible.
205600	2RCS*-REV21-C-5	Bottom shell to bottom head circumferential weld	100%	No Recordable Indications.
209800	2RCS*-REV21-L-6	Upper shell longitudinal weld	91%	No Recordable Indications. Limitation due to nozzles.
209900	2RCS*-REV21-L-7	Upper shell longitudinal weld	91%	No Recordable Indications. Limitation due to nozzles.
210000	2RCS*-REV21-L-8	Upper shell longitudinal weld	91%	No Recordable Indications. Limitation due to nozzles.
210100	2RCS*-REV21-L-9	Intermediate shell longitudinal weld	100%	12 Recordable Indications, reference E-96-13.
210200	2RCS*-REV21-L-10	Intermediate shell longitudinal weld	100%	12 Recordable Indications, reference E-96-14.
210300	2RCS*-REV21-L-11	Lower shell longitudinal weld	100%	7 Recordable Indications, reference E-96-15.
210400	2RCS*-REV21-L-12	Lower shell longitudinal weld	100%	62 Recordable Indications, reference E-96-16.
210500	2RCS*-REV21-L-13	Lower head meridonal weld	100%	No Recordable Indications.
210600	2RCS*-REV21-L-14	Lower head meridonal weld	100%	No Recordable Indications.
201700	2RCS*-REV21-L-15	Lower head meridonal weld	100%	No Recordable Indications.
210800	2RCS*-REV21-L-16	Lower head meridonal weld	100%	No Recordable Indications.
216700	2RCS*-REV21-N-17	Inlet nozzle to shell weld	97%	No Recordable Indications.
216800	2RCS*-REV21-N-17IR	Inlet nozzle inner radius	100%	No Indications.
216900	2RCS*-REV21-N-18	Outlet nozzle to shell weld	97%	No Recordable Indications. Limitation due to outlet nozzle protrusion.
217000	2RCS*-REV21-N-18IR	Outlet nozzle inner radius	93%	No Indications.
217100	2RCS*-REV21-N-19	Inlet nozzle to shell weld	97%	No Indications.
217200	2RCS*-REV21-N-19IR	Inlet nozzle inner radius	100%	No Recordable Indications.
217300	2RCS*-REV21-N-20	Outlet nozzle to shell weld	97%	No Recordable Indications. Limitation due to outlet nozzle protrusion.

APPENDIX IV (continued)

217400	2RCS*-REV21-N-20IR	Outlet nozzle inner radius	93%	No Indications.
217500	2RCS*-REV21-N-21	Inlet nozzle to shell weld	97%	No Recordable Indications.
217600	2RCS*-REV21-N-21IR	Inlet nozzle inner radius	100%	No Indications.
217700	2RCS*-REV21-N-22	Outlet nozzle to shell weld	97%	2 Recordable Indications. Limitation due to outlet nozzle protrusion. Reference E96-17.
217800	2RCS*-REV21-N-22IR	Outlet nozzle inner radius	93%	No indications.
217900	2RCS*-REV21-N-23	Inlet nozzle to safe-end weld	100%	No indications.
218000	2RCS*-REV21-N-24	Outlet nozzle to safe-end weld	100%	No indications.
218100	2RCS*-REV21-N-25	Inlet nozzle to safe-end weld	100%	No indications.
218200	2RCS*-REV21-N-26	Outlet nozzle to safe-end weld	100%	No indications.
218300	2RCS*-REV21-N-27	Inlet nozzle to safe-end weld	100%	No indications.
218400	2RCS*-REV21-N-28	Outlet nozzle to safe-end weld	100%	No indications.
137200	2RCS-003-F-04	RV safe-end to static cast elbow	100%	No indications.
138800	2RCS-006-F-04	RV safe-end to static cast elbow	100%	No indications.
140300	2RCS-009-F-04	RV safe-end to static cast elbow	100%	No indications.
140400	2RCS-001-F-01	RV safe-end to static cast elbow	100%	No indications.
141700	2RCS-004-F-01	RV safe-end to static cast elbow	100%	No indications.
143000	2RCS-007-F-01	RV safe-end to static cast elbow	100%	No indications.
210900 through 216600	2RCS*-REV21-LIG-01 THROUGH LIG-58	RPV flange ligaments (threads is flange)	100%	No indications.

APPENDIX V

STEAM GENERATOR

EDDY CURRENT EXAMINATIONS

APPENDIX V

2R06 STEAM GENERATOR EDDY CURRENT EXAMINATIONS

One hundred percent (100%) of the inservice tubes in each steam generator (2RCS-SG21A, -21B, -21C) were examined full length (tube end to tube end) by multi-frequency eddy current techniques using frequencies selected by NED/ISI.

Framatome Technologies Inc. (FTI) personnel were used as primary data acquisitioners and analysts. The primary data analysis was performed manually. An independent review of all data was performed manually by Zetec, Inc.

All examinations/analysis were performed in compliance with the Beaver Valley Power Station Unit 2 Technical Specifications, NRC Regulatory Guide 1.83, EPRI PWR Steam Generator Tube Examination Guidelines (Rev. 4) and NED/ISI procedure ISIE1-8 (Rev. 4) "Unit #2 Steam Generator Analysis Guidelines". All analysts were required to pass a site specific performance demonstration prior to analyzing eddy current data from the current outage.

Zetec magnetic-biased .720" diameter bobbin coil probes were used on all tube sections, where tube ID allowed. Smaller size bobbin probes (.700", .680", .620") were utilized in some of the lower rows (Rows 3 - 5) to allow the probe to traverse the U-bends. Bobbin coil data acquisition speed was 40 inches per second.

The following table summarizes the results of the bobbin coil probe examinations:

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
NO. OF TUBES EXAMINED	3312	3320	3312
NO. OF TUBES PLUGGED	20	19	24

Zetec single coil magnetic-biased Plus Point Rotating Pancake Coil (RPC) probes were used to acquire data from the U-bend region of all inservice tubes in Rows 1 and 2. The following table summarizes the results of the Row 1 and 2 U-bend region:

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
NO. OF U-BENDS EXAMINED	179	182	185
U-BENDS WITH INDICATIONS	0	0	0

One hundred percent (100%) of the Distorted Support Plate Signals (DSI's) were examined using Zetec 3-coil (pancake and 2 directional coils) RPC probes. The following table summarizes the results of the DSI examination:

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
NO. OF DSI's EXAMINED	275	337	307
DSI's CONFIRMED BY RPC	3	0	2

Zetec Plus Point RPC probes were used on 100% of the hot leg top of tubesheet region in each steam generator. The following table summarizes the results of the this examination:

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
NO. OF TUBES EXAMINED	3312	3320	3312
TUBES WITH CIRC INDICATIONS	9	8	4
TUBES WITH AX INDICATIONS	8	9	6

APPENDIX V

2R06 STEAM GENERATOR EDDY CURRENT EXAMINATIONS

63 tubes were plugged during this outage. The following table summarizes the results of the tube plugging:

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
CONFIRMED DSI'S	3		1
PITTING @ TOP-OF-TUBESHEET			8
FREE SPAN INDICATIONS		1	5
LARGE PERMEABILITY SIGNAL		1	
SLUDGE PILE ODSCC (CIRC/AXIAL)	17 (9/8)	17 (8/9)	10 (4/6)
TOTAL PLUGGED	20	19	24

* - All circumferential indications were stabilized in the hot leg

In addition to the code required examinations, several other activities took place:

- A) Remote visual examinations of the Westinghouse Plug-in-Plug (PIP) retainers was performed in 2RCS-SG21A (4 hot; 4 cold), 2RCS-SG21B (2 hot; 2 cold) and 2RCS-SG21C (3 hot, 3 cold) generators. No indications were observed.
- B) A loose parts screening of the eddy current data was performed on an area 3 rows deep around the periphery in each generator.
- C) A sludge pile profile was performed for each generator of the areas commonly known to exhibit sludge. Sludge lancing was performed in 2RCS-SG21A (36 lbs removed), 2RCS-SG21B (34 lbs) & 2RCS-SG21C (32 lbs).
- D) Due to the indications observed at the top-of-tubesheet, six tubes (4 in 21A & 2 in 21B) were selected for in-situ pressure testing to demonstrate the indications met the requirements of R.G. 1.121 for structural integrity. Test pressure values for normal operating pressure, maximum design ΔP , main steam line break and a maximum test pressure of approximately 5,500 psi were obtained. No visible signs of leakage were observed.

APPENDIX VI

FLUX THIMBLE

EDDY CURRENT EXAMINATIONS

APPENDIX VI

2R06 FLUX THIMBLE EDDY CURRENT EXAMINATIONS

In accordance with NRC Bulletin No. 88-09: "Thimble Tube Thinning in Westinghouse Reactors", all 50 flux thimble tubes were examined to the maximum extent (length) possible employing a .188" diameter bobbin probe and multi-frequency eddy current techniques utilizing frequencies selected by NED/ISI.

The eddy current method utilized during this examination to report the depth (percent through wall - %TW) of wear (thinning) indications assumes the indications have a circumferential extent of approximately 90°.

An outside diameter mix (300/140 kHz) was established to reduce the influence from surrounding conductive structures. All indications were reported using this mix or the prime frequency channel based on analyst discretion.

All eddy current data received a independent second party review to assure all indications of wear were properly addressed and identified.

Technical Evaluation Report 10741 documents the corrective actions resulting from this examination.

The table below summarizes the results of the examination:

DEFECT (% TW)	NO. OF TUBES *
60% - 69% TW	1
50% - 59% TW	4
40% - 49% TW	6
30% - 39% TW	3
20% - 29% TW	11
< 20% TW	6
NDD	18
Restricted	1

NDD - No Detectable Degradation

* - Count based on the single most severe indication observed per thimble tube

APPENDIX VII

REPAIR/REPLACEMENT ABSTRACT
AND NIS-2 FORMS

APPENDIX VII

**REPAIR / REPLACEMENT ABSTRACT
AND
NIS-2 FORMS**

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>MARK NO.</u>	<u>JOB NO.</u>	<u>REPAIR/REPLACEMENT</u>
680	2BDG-AOVC1	032113	Replacement
794	2FWS-FCV478	031700	Replacement
831	2FWS-277	043701	Replacement
"	"	044304	"
839	2SWS-SOV130A	047134	Repair
846	2RCS-RV551A	045221	Replacement
847	2RCS-RV551B	043184	Replacement
849	2RCS-SG21A	045274	Repair
"	"	045283	"
850	2RCS-SG21B	045275	Repair
"	"	045284	"
"	"	056706	"
"	"	056707	"
"	"	056295	"
851	2RCS-SG21C	045276	Repair
"	"	045285	"
"	"	055919	"
856	2FWS-FCV499	044075	Replacement
858	2SWS-487	047601	Replacement
864	2SWS-SOV130B	050038	Repair
865	2MSS-SOV105C	040288	Replacement
"	"	057877	"
866	2MSS-SOV105F	048289	Replacement
893	2MSS-SOV105B	048645	Replacement
894	2MSS-SOV105E	048646	Replacement
898	2FWS-FCV478	044429	Replacement
899	2FWS-FCV488	044430	Replacement
900	2FWS-FCV498	044431	Replacement
904	2SWS-717	052737	Repair
908	2-MSS-010-933-3	DCP2000	Replacement
"	2-MSS-150-220-3	"	"
910	2CHS-AOV200B	041583	Repair
911	2HVR-ACU207A	DCP1604	Replacement
"	2HVR-ACU207B	"	"
920	2CCP-290	056081	Replacement
921	2CHS-182	056002	Replacement
922	2-CHS-002-004-2	056292	Replacement
923	2CCP-298	040936	Replacement
924	2FWE-100	044648	Replacement
925	2CCP-289	056558	Replacement
926	2CCP-291	056559	Replacement
927	2SIS-PSR256S	055838	Replacement
928	2EGS-TCV216-1	DCP2126	Replacement
929	2EGS-TCV216-2	DCP2126	Replacement
930	2MSS-18	055774	Replacement

NIS-2 ABSTRACT

<u>RM NO.</u>	<u>MARK NO.</u>	<u>JOB NO.</u>	<u>REPAIR/REPLACEMENT</u>
931	2SWS-1103	056595	Replacement
932	2HVR-CLC206B	055925	Replacement
933	2HVR-CLC206A	056255	Replacement
934	2-SWS-003-022-3	DCP2177	Replacement
"	2-SWS-003-575-3	"	"
"	2-SWS-003-613-3	"	"
"	2-SWS-003-683-3	"	"
"	2-SWS-002-579-3	"	"
"	2-SWS-002-574-3	"	"
"	2-SWS-002-616-3	"	"
"	2-SWS-002-577-3	"	"
"	2-SWS-002-571-3	"	"
"	2-SWS-002-573-2	"	"
"	2-SWS-002-A09-3	"	"
"	2-SWS-002-A12-3	"	"
"	2-SWS-002-021-3	"	"
"	2-SWS-002-A10-3	"	"
"	2-SWS-002-A11-3	"	"
"	2-SWS-150-572-3	"	"
"	2-SWS-150-834-3	"	"
"	2-SWS-150-572-3	"	"
"	2-SWS-150-585-3	"	"
"	2-SWS-002-869-3	"	Deleted
"	2SWS-SOV130A	"	Replacement
"	2SWS-SOV130B	"	"
"	2SWS-AOV118B	"	"
"	2SWS-MOV170B	"	"
"	2SWS-80A	"	"
"	2SWS-80B	"	"
"	2SWS-81A	"	"
"	2SWS-81B	"	"
"	2SWS-84B	"	"
"	2SWS-85B	"	"
"	2SWS-115B	"	"
"	2SWS-692	"	"
"	2SWS-694	"	"
"	2SWS-696	"	"
"	2SWS-96	"	Deleted
"	2SWS-698	"	"
935	2HVP-CLC265A	DCP2203	Replacement
"	2HVP-CLC265B	"	"
936	2MSS-352	055777	Repair
937	2MSS-196	055776	Replacement
938	2MSS-19	055775	Replacement
940	2RHS-P21A	058199	Replacement

NIS-2 ABSTRACT

FORM NO.
941

MARK NO.
2RHS-P21B

JOB NO.
058200

REPAIR/REPLACEMENT
Replacement

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

1. Owner Duquesne Light Company Date 06-05-96

411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3

2. Plant Beaver Valley Power Station Unit No. 2

Shippingport, PA 15077 MWR# 032113

3. Work Performed By Duquesne Light Co. - Maint. Programs Type Code Sample Stamp Not Applicable

Shippingport, PA 15077 Authorization No. _____
Expiration Date _____

4. Identification of System Blowdown Generator (2)

5. (a) Applicable Construction Code Section III 1971 Edition, S'73 Addenda, 1567 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Gate Valve	Masonellan	N-00228-18-3	N/A	2BDG-AOV 100C1	1984	Repaired	YES
Pilot S/A	Masonellan	N/A	N/A	Heat No. 91374-22	1990	Replacement	YES

7. Description of Work Replaced valve plug and stem assembly.

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

FORM NIS-2 (Back)

3 Remarks NPV-1 and N-2 forms attached

CERTIFICATE OF COMPLIANCE

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

repair replacement
REPAIR OR RE-ASSEMBLY

Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Engr. Date June 5, 19 96

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 Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 6/9/94 to 6/6/96 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 Engr. Assn.

Robert Amosch Commissions NB7509 (NISBIS) PA2162
Inspector's Signature National Board, State, Province, and Insurances

Date June 6 19 96

SERIAL NO: N0228-18-3
 MARK NO: 2803-ACV100C1
 TYPE:
 COMMENTS:

Form 680, Rev 1

2803-ACV1

FORM NPV-1 IN CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
 As Required by the Provisions of the ASME Code, Section III, Div 1

1. Manufactured by Miscellaneous Div., McGraw-Hill Co., 63 Mahatan St., Norwood, Ma 02062
(Name and Address of Manufacturer)
2. Manufactured for Stone & Webster Engineering Corp., Boston, MA 02107
(Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Unit No. 2, Shippingport, PA
(Name and Address)
4. Pump or Valve Globe Control Valve Nominal Inlet Size 3" Outlet Size 3"
(Inch) (Inch)

(a) ASME No. or Type	(b) Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Mark'd Ed. No.	(g) Year Built
(1) 48-41431	N00228-18-3	NA	A-8191-D	2	NA	1984
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. P.O. No. 28V-651 Water Tag No. 2803-ACV100C1
(Serial designation of service for which equipment was designed)

6. Design Conditions 1085 psi 535 °F or Valve Pressure Class NA (1)

7. Cold Working Pressure 1400 psi at 100°F

8. Pressure Retaining Parts

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>F-5774-3</u>	<u>ASME SA 351 GR C/3B</u>	<u>Quaker Alloy</u>	<u>Body</u>
<u>D-8186-1</u>	<u>ASME SA 351 GR C/3B</u>	<u>Quaker Alloy</u>	<u>Socket</u>
(b) Forgings			
<u>NA</u>			

RECEIVED
 JUN 2 8 1984
 Stone & Webster
 Engineering Corporation
 Department Building

(1) For externally operated valves only.
 *Supplementary information in the form of BPs, sketches, or drawings may be cited provided (1) also to 616 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of the first sheet, and (4) each additional sheet shall be signed by the Certificate Holder and the ASME.

FORM NPV-1 (Rev. 1)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Bolting			
JB7-A2T	ASME SA 193 GR B7	B&G Inc.	Studs
J2HB-A2L	ASME SA 194 GR 2H	B&G Inc.	NUTS
(b) Other Parts			
78266-47	ASME SA 479 TP 316	Joslyn St. St. Mfg	Pipes
666885-20	ASME SA 264 TP 630	ARBCO	PIUG

B. Hydrostatic test 5400 psi. Disk Differential test pressure: Not req'd

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971, Addenda SUBSET 1975. Code Case No. NA.
 Signed Masonilan Div., McGraw-Edison Co. by Joseph B. Kramers 6-13-84
 Our ASME Certificate of Authorization No. N-1836 is valid for N cycles expires 8/19/86

CERTIFICATION OF DESIGN

Design information on file at Masonilan Div., McGraw-Edison Co.
 Stress analysis report (Class 1 only) on file at NA
 Design specifications certified by (1) Carl O. Richardson
 PE State PA Reg. No. 16297-E
 Stress analysis certified by (1) NA
 PE State NA Reg. No. NA
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PA and employed by N.S.B.T. & I. Co. of Harrisburg, Ct have inspected the pump, or valve, described in this Data Report on June 13, 1984, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date June 13, 1984 by Joseph B. Kramers Inspector
 Commission 971 Pa WC 2046
See Sec. 1000, Para. and No. 1

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

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

1 Manufactured and certified by MASONEILAN DRESSER INDUSTRIES, 85 Bodwell St., Avon, MA 02322
(Name and address of NPT Certificate holder)

2 Manufactured for Duquesne Light Company, 301 Grant St., Pittsburgh, PA 15279
(Name and address of purchaser)

3 Location of installation Beaver Valley Power Station, Shippingport, PA 15077
(Name and address)

4 P10640 REV. F SA 479/316 94500 NA 1990
(Drawing no. (Part spec. no.) (Nominal strength) (CRN) (Year built))

5 ASME Code Section III: 1971 SUMMER 1973 2 NA
(Edition) (Addenda date) (Class) (Code Case no.)

6 Fabricated in accordance with Const. Spec. (Div. 2 only) NA Revision NA Date NA
(Date)

7 Remarks Replacement for Masoneilan Valve Serial No. N00228-24
Masoneilan Part No. 011480-542-108

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

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

Part or Appurtenance Serial Number HEAT NUMBER	National Board No in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
1. 91374-22		(26)	
2.		(27)	
3.		(28)	
4.		(29)	
5.		(30)	
6.		(31)	
7.		(32)	
8.		(33)	
9.		(34)	
10.		(35)	
11.		(36)	
12.		(37)	
13.		(38)	
14.		(39)	
15.		(40)	
16.		(41)	
17.		(42)	
18.		(43)	
19.		(44)	
20.		(45)	
21.		(46)	
22.		(47)	
23.		(48)	
(24)		(49)	
(25)		(50)	

10 Design pressure 1100 psi. Temp. 560 °F. Hydro. test pressure NA at temp. NA °F
(When applicable)

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

FORM N-2 (back)

Mr. Serial No. N-317228-2

CERTIFICATION OF DESIGN

Design specifications certified by Carl Richardson P.E. State PA Reg. no. 16297-E
(when applicable)

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

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) 3" Pilot S/A
 conforms to the rules of construction of the ASME Code, Section III

NPT Certificate of Authorization No. N-1837 Expires 8/19/92

Date 1/27/90 Name Masonellan-Dresser Industries Signed John A. Kern
NPT Certificate Holder authorized representative

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by H.S.B.I. & I. Co. of Windsor, CT have inspected these items described in this Data Report on FEB. 14 1990 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date March 6, 1990 ~~FEB 14 1990~~ signed [Signature] Commissions MA1222/PA-WC214
Authorized Inspector (Nat. Bd. and no.; state or prov. and no.)

Form No. 794, Rev. 1

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

1. Owner Duquesne Light Company Date 05-05-95
(Name)
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 3
(Address)

2. Plant Beaver Valley Power Station Unit No. 2
(Address)
Shippingport, PA 15077 MWR#031700
(Address) Legal Organization P.O. No., Job No., etc.

3. Work Performed By DLCo - Maint. Programs Type Code Sample Stamp Not Applicable
(Name)
Shippingport, PA 15077 Authorization No. _____
(Address) Expiration Date _____

4. Identification of System Feedwater (Class 3)

5. (a) Applicable Construction Code Section III 1971 Edition, S'72 Addenda, _____ Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Globe Valve	Copes-Vulcan	7310-952 55-1-1	787	2FWS-FCV 478	1977	Repaired	YES
Plug	Copes-Vulcan	9221-98218 -2-2 (92-6)	N/A	—	1993	Replacement	YES

7. Description of Work Replaced valve Trim (internals)

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

FORM NIS-2 (Back)

9. Remarks. NPV-1 and N-2 forms attached. Revision 1 to this form issued to include correcter N-2 form
from vendor. The original N-2 form had an incorrect Certificate of Authorization expiration date.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Robert C. Amor* Senior Engr. Date July 3 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co.* of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 4/1/95 to 5/1/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Factory Mutual Engr. Assn.

Robert C. Amor Commissions NB7509 (NISBIS) PA. 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date July 3 19 96

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

Form 794

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

Pg. 1 of

- 1. Manufactured and cert.ified by Copes-Vulcan, Inc., Martin & Rice Avenues, Lake City, PA 15423
(name and address of NPT Certificate Holder)
- 2. Manufactured for Duquesne Light Company, Pittsburgh, PA
(name and address of Purchaser)
- 3. Location of installation Beaver Valley Power Station, Shippingport, PA
(name and address)
- 4. Type D-299794 Rev. 0 A276-35a Typ 420 220 ksi --- 1993
(drawing no.) (mat'l. spec. no.) (stress strength) (CRN) (year built)
- 5. ASME Code, Sect. on III, Division 1: 1971 Summer 1972 3 N62-6
(edition) (addenda date) (issue) (Code Case no.)
- 6. Fabricated in accordance with Conet. Spec. (Div. 2 only) N/A Revision --- Date ---
(no.)
- 7. Remarks: Plugs for 12" 900# Valves per Ass'y Dwg. D-166222 Rev. 18
Cust. P.O. D-114260 CV Job 9221-96218

Valve Tag S-FCV-478, 488

Ref. CV Job 8320-95453

- 8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
- 9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>9221-96218-2-1 (92-5)</u>	<u>N/A</u>
(2) <u>9221-96218-2-2 (92-6)</u>	<u>N/A</u>
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

- 10. Design pressure 1445 psi. Temp. 443 °F. Hydro. test pressure N/A at temp. °F
(when applicable)

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

Certificate Holder's Serial Nos. 2-1 through 2-2

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1843 Expires 8/19/95 8/19/93 RT X-ray 6-27-96 John Q. M.E. 6-27-96

Date 9-14-93 Name Copes-Vulcan, Inc. Signed [Signature] (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Protection Mutual Insurance Company* of Norwood, MA have inspected these items described in this Data Report on 9/14/93 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 9/14/93 Signed [Signature] (Authorized Inspector) Commission No. 1488563 N Pa 2274 (Ref. to list, instructions and state or prov. and no.)

2FWS-FCV-47E

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

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Copes-Vulcan, Inc., Lake City, PA Order No. 7310-95255
(Name & Address of Manufacturer) 16423

2. Manufactured for Westinghouse Electric Corp.
Nuclear Energy Systems, Pitts., Pa. Order No. 546-CCP-178325
(Name and Address) 15230

3. Owner Duquesne Light Company

4. Location of Plant Shippingport, Pennsylvania

5. Pump or Valve Identification WNES I.D. # 16FA37RG CVI S/N 7310-95255-1-1
12" 900# Feedwater Control Valve
(Full description of service for which equipment was designed)

(a) Drawing No. D-166222 Rev. 5 Prepared by Copes-Vulcan, Inc

(b) National Board No. 787 460
6. Design Conditions 1860 (Pressure) 460 (Temperature)

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

Edition 1971 Antenna Date Summer, 1972 Code No. *****

Part No.	Material Spc. No.	Manufacturer	Remarks
(a) Castings			
Body S/N P 3785	ASME-SA352	Quaker	GR. LCB
(b) Forgings			
Bonnet S/N 25	ASME-SAI05	McInnes	GR. YI

Part No.	Material Spec. No.	Manufacturer	Remarks
121 Bellows			
Seeds Loc TL	ASME-SA193	Republic	GR. B7
NUES LOC A	ASME-SA194	Allied Int.	GR. 2H
122 Gaskets			
Plug S/N 76-10	ASME-SA182	Carotech	GR. F304

3 Hydrostatic Test 3250

CVI S/N 7310-95255-1-1

CERTIFICATION OF DESIGN

Design information on file at Westinghouse Electric Corp., Nuclear Energy System
 Design analysis report on file at Not Applicable
 Design specifications reviewed by Louis James Malandra (II Prof. Eng. ME State PA Reg. No. 13868-E)
 Stress analysis report, reviewed by Not Applicable (II Prof. Eng. _____ State _____ Reg. No. _____)

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

Date 25 Jun 77 at Copes-Vulcan, Inc. (Manufacturer)
 Signature J. H. Luthrington
 Certificate of Authorization No. N-826 expires June 17, 1977

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and in the State of Penna. and registered by Protection Mutual Ins. Co. of Park Ridge, Ill. have inspected the equipment described in this date report on 1-24 19 77 and state that to the best of my knowledge and belief, the manufacturer has constructed this equipment in accordance with the applicable sections of ASME Section III.

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

Date 1-25 19 77

Signature L. A. Lumbly (Inspector) Commission Natl. Bd. # 3275 (National Board, Boilers, Pressure and etc.)

Form No. 831

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

1. Owner Duquesne Light Company Date 10-09-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR Nos.: 043701, and 044304
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Feedwater (Class2)

5. (a) Applicable Construction Code Section III, 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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	Kerotest	FAH9-2	N/A	2FWS-277	1981	Replace	Yes
Valve	Kerotest	FAH9-23	N/A	2FWS-277	1981	Replacement	Yes

7. Description of Work Valve was replaced with like kind.

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

FORM NIS-2 (Back)

9. Remarks Valve and inlet and outlet pipe nipples was replaced per Code Case N-416-1. NPV-1

Report 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 Section XI. Repair Or Replacement

Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng Date December 27 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Nonwood, Massachusetts have inspected the components described in the Owner's Report during the period 8/13/96 to 12/30/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NO7509 (NISBIS) PA 2162
National Board, State, Province, and Endorsements

Date Dec 30, 19 96

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			
DIAG-JAS	SA479, TYPE 316	Carpenter	
BONNET-DAS	SA479, TYPE 316	Carpenter	

8. Hydrostatic test 5400 psi. Dead Differential test pressure 3600 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. L, Edition 1977

Addenda SUMMER 1977 Code Case No. 1539 Date 10-18-83

Signed Kerotest Manufacturing Corporation by [Signature]
(In Certificate Holder)

Our ASME Certificate of Authorization No. 1902 to use the N symbol expires 4-25-83
(12) (Date)

CERTIFICATION OF DESIGN

Design information on file at Kerotest Manufacturing Corp., Pittsburgh, PA

Stress analysis report (Class 1 only) on file at N/A

Design specifications certified by (1) Frank A. Gopalani

PE State PA Reg. No. 21965-E

Stress analysis certified by (1) N/A

PE State N/A Reg. No. N/A

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSE I&I Company of Hartford, Connecticut have inspected the pump, or valve, described in this Data Report on 3-25-81 1981, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 10-18-83
[Signature] Commissions PA2177
(Inspector) (Natl Bd, State, Prov and Reg)

Form No. 839

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

1. Owner Duquesne Light Company Date 12-28-95
(Name)
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2
(Address)

2. Plant Beaver Valley Power Station Unit No. 2
(Address)
Shippingport, PA 15077 MWR #047134
(Address) ASME Form NIS-201 P. 2, 10, 11, 200 No., etc.

3. Work Performed By DLC - Maint. Programs Type Code Symbol Stamp Not Applicable
(Name)
Shippingport, PA 15077 Authorization No. _____
(Address) Expiration Date _____

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III, 1980 Edition, S'81 Addenda, _____ Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Globe Valve	Target Rock	3	N/A	2SWS-SOV130A	1984	Repaired	Yes

7. Description of Work Tack welded valve body to bonnet

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

FORM NIS-2 (Back)

9. Remarks: NPV-1 form attached. Valve was disassembled for cleaning.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Engineer Date January 2, 1996

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 Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 10/17/95 to 1/3/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (NISBIS) PA 2162

Date JAN 3 19 96

TYPE: B3C-012
COMMENTS:

197-710

FORM 839

FORM NPV-1 IN CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES
As Required by the Provisions of the ASME Code, Section III Div 1

Manufactured by Carroll Forge Corporation 9906 Broadhollow Rd. E. Farmingdale, N.Y.

1 Manufactured for Duquesne Light Company Shippingport, Pennsylvania

2 Location of installation BEAVER VALLEY POWER STATION, Unit 2 Shippingport, Pennsylvania

3 Pump or Valve VALVE nominal inlet size _____ Inlet _____ Outlet size _____ inch _____ inch

a) Model No. _____ b) ASME Certificate Number _____ c) Canadian
Serial No. _____ Serial Registration No. _____ d) Drawing No. _____ e) Part No. _____ g) Part No. _____

11) B3C 1 And 4 B3C-012 1 1784

QUICK SPRAY SODIUM HYDROXIDE INJECTION
Brief description of service for which equipment was designed

4 Design Conditions 45 °F or Valve Pressure Class 150
Pressure _____ Temperature _____

5 Cold Working Pressure 110 psi at 100°F

6 Pressure Rating Factor _____

Part No.	Material Spec. No.	Manufacturer	Remarks
7 Castings			

8) Flanges			
<u>Body</u>	<u>ASME SA 102F 116L</u>	<u>Carroll Forge</u>	
		<u>DUCQUESNE LIGHT CO.</u>	
		<u>STONE & WEBSTER ENGS</u>	
		<u>BEAVER VALLEY UNIT 2</u>	

9) **Welding Joints** _____

Welding symbols in terms of ASME Section III Div 1 are shown on drawings of this equipment. A list of these symbols is included in the Data Report in sheet 11 and 12. Each symbol is numbered and number of sheets is indicated at top of each sheet.

[Handwritten signature and notes on the right margin]

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

1. Owner Duquesne Light Company Date 12-03-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#045221
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III, 1971 Edition, W'72 Addenda, --- Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Safety Valve	Crosby	N56963-01-0010	---	2RCS-RV551A	1980	Replaced	Yes
Safety Valve	Crosby	N56963-00-0008	---	2RCS-RV551A	1976	Replacement	Yes

7. Description of Work Replaced valve with spare.

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

FORM NIS-2 (Back)

9. Remarks NV-1 Form attached. Replaced valve with spare for testing purposes. Previous NIS-2
Form Nos.: 044, 053, 061, 202, 346.

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 per NPDAP 8.5 'ASME Section XI Repair/Replacement Program'

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

Signed [Signature] Senior Eng Date December 03 19 96
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

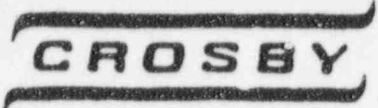
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 10/26/95 to 12/3/96 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.

Robert Cimoch Commissions NB 7509 (NIS B1S) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 3 19 96

FORM 846



CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the Provisions of the ASME Code Rules

DATA REPORT
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick Street, Wrentham, MA, 02093
 Assen. No. M-56963 6M, 6 Name and Address

Model No. HB-8688 Order No. N-303157 Contract Date 4-4-73 National Board No. ---
Westinghouse Electric Corp., Nuclear

2. Manufactured For Energy Systems, Pittsburgh, Pa. 15230 Order No. 546-CCK-178357-88
 Name and Address

3. Owner DUNSMUIR LIGHT CO., BEAVER VALLEY POWER STATION, BEAVER VALLEY UNIT #2
 Name and Address

4. Location of Plant Shippingsport, Beaver County, Pennsylvania

5. Valve Identification 6RVS155 Serial No. 156963-00-0008 Drawing No. DS-C-56963 Rev. C

Type Safety Orifice Size .952 Pipe Size - Inlet 6 Outlet 6
Safety Safety Relief Pilot Power Actuated Inch Inch Inch Inch

6. Set Pressure (PSIG) 2485 650°
 Rated Temperature

Sealant Capacity 344972 lbs./hr. - 3 % Overpressure 5% Blowdown (PSIG) 125 psig

Hydrostatic Test (PSIG) Inlet 4575 psig Complete Valve 750 psig

7. The material, design, construction and workmanship comply with ASME Code Section III
 Class 1 Edition 1971, Addenda Date Winter 1972, Case No. ---

Procedure Concerning or Pressure Retaining Components

a. Bar Stock & Forgings	Serial No. Identification	Material Specification including Type or Grade
Body	<u>N90490-33-0050</u>	<u>ASTM-A182-71 F316</u> <u>ASME-SA182 F316</u>
Sealant	<u>N90153-16-0071</u>	<u>ASTM-A105-71 Gr. 2</u> <u>ASME-SA105 Gr. 2</u>
b. Support Ribs		
Body	<u>N90556-33-0007</u>	<u>ASTM-A182-71 F316</u> <u>ASME-SA182 F316</u>
Disc Holder	<u>N90553-32-1053</u>	<u>ASTM-A637 Gr. 1</u>
Spring Washers	<u>N90153-16-0071</u>	
Adjusting Bolt	<u>N90153-16-0071</u>	
Spindle	<u>N90153-16-0071</u>	
Disc	<u>N90153-16-0071</u>	
	<u>N90153-16-0071</u>	<u>ASTM-A276-71 Type 304</u>

	Serial No. or Identification	Material Specifications Including Type or Grade
c. Spring	<u>NX-761-0055</u>	<u>ASTM-A304 Gr. 3160H</u>
d. Bolting	_____	_____
e. Other Parts such as Pilot Components	_____	_____
Bonnet Stud	<u>100987</u>	<u>ASTM-A453-70 Gr. 660 ASME-SA453 Gr. 660</u>
Bonnet Stud Nut	<u>89997</u>	<u>ASTM-A193-71 Gr. B6 ASME-SA193 Gr. B6</u>
Inlet Stud	<u>N90488-0525 thru 0536</u>	<u>ASTM-A453-70 Gr. 660 ASME-SA453 Gr. 660</u>
Inlet Stud Nut	<u>N90489-0525 thru 0536</u>	<u>ASTM-A193-71 Gr. B6 ASME-SA193 Gr. B6</u>

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

Date 2-20-1976 Signed Crosby Valve & Gage Co. By [Signature]
 Manufacturer QA Manager

Certificate of Authorization No. 926 expires October 28, 1977

Design information on file at Crosby Valve & Gage Company,
 Wrentham, Ma. Design Report No. EC-155.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of MSA, and employed by Factory Mutual Systems, Wrentham, Miss. have inspected the equipment described in this Data Report on March 10, 1976 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. The Inspector and his employer accept no liability for any damage or loss of any kind resulting from the use of the equipment.

March 30, 1976
Donald E. Clum PC99A, WC 2035 H-1090

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

1. Owner Duquesne Light Company Date 12-03-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#043184
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III, 1971 Edition, W72 Addenda, --- Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Safety Valve	Crosby	N56963-00-0007	---	2RCS-RV551B	1976	Replaced	Yes
Safety Valve	Crosby	N56963-00-0009	206	2RCS-RV551B	1976	Replacement	Yes

7. Description of Work Replaced valve with spare.

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

FORM NIS-2 (Back)

9. Remarks NY-1 Form attached. Replaced valve with spare for testing purposes. Previous NIS-2
Form Nos.: 009, 015, 045, 054, 247, 686.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed: [Signature] Senior Eng. Date December 03, 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 10/26/95 to 12/3/96, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (NISBIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 3, 19 96

4-28-87 4-28-87

*Corrected Report

CROSBY

CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

FORM NO 1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the Provisions of the ASME Code Rules

G.C. 44C

DATA REPORT
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick Street, Wrentham, Ma. 02093
Assem. No. M-56963 6M, 6 Name and Address

Model No. RB-86BP Order No. N303157 Contract Date 4-4-73 National Board No. 206
Westinghouse Electric Corp., Nuclear

2. Manufactured For Energy Systems, Pittsburgh, Pa. 15230 Order No. 546-CCK-178357-8N
Name and Address

3. Order Duquesne Light Co., Beaver Valley Power Station, Beaver Valley #2
Name and Address

4. Location of Piping Shippingport, Beaver County, Pennsylvania

5. Valve Identification 68V8815B Serial No. M56963-00-0009 Drawing No. DS=C-56963 Rev. C

Type Safety Order No. 852 Pipe Size 1/2" Inlet 6 Outlet 6
Safety Safety Relief Piping Power Actuated Inch Inch Inch Inch

6. Set Pressure (PSIG) 2485 650°
Set Temperature F

Blowdown Capacity 344972 lbs./hr. @ 3 % Overpressure 5% Blowdown (PSIG) 125 psig

Hydraulic Test (PSIG) Inlet 4575 psig Complete Valve 750 psig

7. The material, design, construction and workmanship comply with ASME Code, Section III.

Class 1 Edition 1971, Addenda Date Winter 1972, Case No. ---

Pressure Containing or Pressure Retaining Components

a. Bar Stock & Forgings	Serial No. Identification	Material Specification including Type or Grade
Body	<u>M90490-33-0066</u>	<u>ASTM-A102-71 F316</u>
Bonnet	<u>M90353-38-0080</u>	<u>ASME-SA182 F316</u>
		<u>ASTM-A105 Gr. 2</u>
		<u>ASME-SA105 Gr. 2</u>
b. Support Bolt	<u>M90356-34-0010</u>	<u>ASTM-A187-71 F316</u>
Nut		<u>ASME-SA182 F316</u>
Disc Holder	<u>K57220-36-0061</u> <u>M90333-32-0062</u>	<u>ASTM-A637 Gr. 718</u>
Spring Washers	<u>K56380-39-0082</u> <u>M90350-31-0188</u>	<u>ASTM-A105 Gr. 2</u>
Adjusting Bolt	<u>M90351-38-0064</u>	<u>ASTM-A193-71 Gr. 86</u>
Spindle Point	<u>K56381-34-0048</u> <u>M90354-34-0048</u>	<u>ASME-SA193 Gr. 86</u>
Spindle Ball	<u>M90355-00-8</u>	<u>ASTM-A193-71 Gr. 86</u>
Disc Insert	<u>M90349-44-00-8</u>	<u>ASTM-A276-73 Type 304</u>
		<u>Haynes Stellite No. 4A</u>

add the date of the original ANI signature
 Permanent Name Sheet Original ANI signature

Crosby Valve 4-28-87
 Date

[Signature] NO 4792 H
 Factory Mutual ANI

	Serial No or Identification	Material Specification including Type or Grade
c. Spring	<u>EX2761-0103</u>	<u>ASTM-A304 Gr. 51860H</u>
d. Bolting		
e. Other Parts such as Pilot Components		
Bonnet Stud	<u>100987</u>	<u>ASTM-A453-70 Gr. 660</u> <u>ASTM-A2453 Gr. 660</u>
Bonnet Stud Nut	<u>89997</u>	<u>ASTM-A193-71 Gr. B6</u> <u>ASTM-A193 Gr. B6</u>
Inlet Stud	<u>N90488-0604 chm 0620</u>	<u>ASTM-A453-70 Gr. 660</u> <u>ASTM-A2453 Gr. 660</u>
Inlet Stud Nut	<u>N90489-0609 chm 0620</u>	<u>ASTM-A193-71 Gr. B6</u> <u>ASTM-A193 Gr. B6</u>

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

Date 4-6 19 76 Signed Crosby Valve & Gate Co. B. [Signature]
 Manufacturer QA Manager

Certificate of Authorization No. 926 expires October 28, 1977

Design information on file at Crosby Valve & Gate Company,
 Wrentham, Ma. Design Report No. EC-155.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mass, and employed by Factory Mutual Systems, Wrentham, Mass. have inspected the equipment described in this Data Report on 4-8 19 76 and state that to the best of my knowledge and belief the Manufacturer has constructed his equipment in accordance with the applicable Subsections of ASME Section III.

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

Date 4-8 76 [Signature] 2153

[Handwritten initials]
4-11-76

Form No. 849

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

1. Owner Duquesne Light Company Date 10/29/96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR's - 045274, 045283
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, §72, Addenda, See N-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
2RCS-SG21A	Westinghouse	DMGT-1961	W-16598	"A" Steam Generator	1977	Repaired	Yes

7. Description of Work Plugged tubes

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

FORM NIS-2 (Back)

9. Remarks Plugged 20 tubes per MWR 045283, stabilized 9 of the 20 tubes in the Hot Leg
Performed in-situ pressure test of 4 tubes with no evidence of leakage observed.

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 per NPDAP 3.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Harry Alberti* ISI Coordinator Date 1/8 1997
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 12/28/95 to 1/10/97, 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.

Robert Cimoch Commissions NB7509 (NIBSIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 10, 19 97

Form No. 850

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

1. Owner Duquesne Light Company Date 10/29/96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR's -
(ADDRESS) 045275, 045284, 056706, 056707, 056295
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III, 1971 Edition, §72, Addenda, See N-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
2RCS-SG21B	Westinghouse	DMGT-1962	W-16599	"B" Steam Generator	1977	Repaired	Yes

7. Description of Work Plugged tubes

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

FORM NIS-2 (Back)

9. Remarks Plugged 19 tubes per MWR 045284, stabilized 8 of the 19 tubes in the Hot Leg.
Performed in-situ pressure test of 2 tubes with no evidence of leakage observed. Installed 2
threaded inserts in Hot Leg manway per MWR 056706 (#12) & MWR 056707 (#16). Replaced bolt
on #2 handhole per MWR 056295.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed Ray Alberti ISA Coordinator Date 1/8 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 12/28/95 to 1/10/97, 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.

Robert Cimoch
Inspector's Signature

Commissions NB7509 (NISBIS) PA 2162
National Board, State, Province, and Endorsements

Date Jan 10, 19 97

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

1. Owner Duquesne Light Company Date 10/29/96
(NAME)

411 Seventh Avenue Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plant Deaver Valley Power Station Unit No. 2
(NAME)

Shippingport, PA 15077 MWR's - 045276, 045285, 055919
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)

Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)

Expiration Date N/A

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, §72 Addenda, Sec N-1 (Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
2RCS-SG21C	Westinghouse	DMGT-1963	W-16600	"C" Steam Generator	1977	Repaired	Yes

7. Description of Work Plugged tubes

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

FORM NIS-2 (Back)

9. Remarks Plugged 24 tubes per MWR 045285, stabilized 4 of the 24 tubes in the Hot Leg
Replaced bolt on #1 handhole per MWR 055919.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed Howy Alberti ISI Coordinator Date 1/8 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 12/28/95 to 1/10/97 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.

Robert Cimoch Commissions NB 7509 (NISBIS) PA 2162
Inspector's Signature Board, State, Province, and Endorsements

Date Jan 10, 19 97

Form No. 856

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

1. Owner Duquesne Light Company Date 03-19-96
(Name)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(Address)
 2. Plant Beaver Valley Power Station Unit No. 2
(Address)
Shippingport, PA 15077 MWR #044075
(Address) (ASME Organization P.O. No., Job No., Etc.)
 3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(Name)
Shippingport, PA 15077 Authorization No. _____
(Address) Expiration Date _____

4. Identification of System Feedwater (Class 3)
 5. (a) Applicable Construction Code Section III 1971 Edition, S'73 Addenda, 1567 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Globe Valve	Masoneilan	N-00228 -12-3	N/A	2FWS-FCV 499	1984	Repaired	Yes

7. Description of Work Replaced two body/bonnet studs and eight nuts.

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

FORM NIS-2 (Back)

9. Remarks: Code Data Form 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 Section XI.

Type Code Symbol Stamp per NPDP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng. Date April 2 19 96

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 Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 1/12/96 to 4/3/96 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.

Robert Cimoch Commissions NB7509 (NISBIS) PA2182

Date April 3 19 96

SERIAL NO: N00228-12-3
 MARK NO: 2FWS-FCV499
 TYPE:
 COMMENTS: -----

2BV-6.51

Corrected Copy 3/13/84

FORM NO 356

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

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

1. Manufactured by Masonellan Div., McGraw-Edison Co., 63 Nahatan St. Norwood Ma.
(Name and Address of N Certificate Holder)
2. Manufactured for Stone & Webster Engineering Corp., Boston, Ma. 02107
(Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Unit No. 2, Shippingport Pa.
(Name and Address)
4. Pump or Valve Globe Control Valve Nominal Inlet Size 6" Outlet Size 6"
(inch) (inch)

(a) Model No. (b) N Certificate Holder's Serial No. (c) Canadian Registration No. (d) Drawing No. (e) Class (f) Nat'l Bd No. (g) Year Built

(1)	<u>38-40037</u>	<u>N00228-12-3</u>	<u>NA</u>	<u>A9127</u>	<u>3</u>	<u>NA</u>	<u>1984</u>
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							

J.O. NO. 12241

5. P.O. No. 2BV-651 Water Tag No. 2FWS*FCV499
(Brief description of service for which equipment was designed)

6. Design Conditions 1600 psi 275 °F or Valve Pressure Class NA (1)

7. Cold Working Pressure 2160 psi at 100°F

8. Pressure Retaining Pieces

Mark No.	Material Spec No.	Manufacturer	Remarks
(a) Castings			
<u>F9729-4</u>	<u>ASME SA 216 GR WCB</u>	<u>Quaker Alloy</u>	<u>Body</u>
<u>F1040-1</u>	<u>ASME SA 216 GR WCB</u>	<u>Quaker Alloy</u>	<u>Bonnet</u>
(b) Forgings			
<u>NA</u>			

RECEIVED
 MAR 22 1984
 Stone & Webster
 Engineering Corporation
 Document Review

(1) For manually operated valves only.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

FORM NIS-2 (Back)

9. Remarks: Replaced valve and inlet/outlet pipe. Replacement was performed in accordance with Code Case N-416-1 and as supplemented by the requirements of 12-07-94 letter from the NRC granting relief. surface exams were performed on the root and final layer of weld. Replacement valve manufactured to Section III 1974E-S'76A, Code Cases 1516-2, 1774, 1773, 1587 and 1635-1.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Engineer Date March 20, 19 96

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 Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 1/26/96 to 3/24/96 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.

Robert C. Smith Commissions NB7509 (NISBIS) PA 2162

Date March 24, 19 96

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

1. Manufactured by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
(Name and Address of Manufacturer)
 2. Manufactured for Tennessee Valley Authority, 400 Commerce Ave., Knoxville, TN 37902
(Name and Address of Purchaser or Owner)
 3. Location of Installation Hartsville Nuclear Plant, Near Hartsville, TN 37074
(Name and Address)
 4. Pump or Valve Valve Nominal Inlet Size 3" Outlet Size 3"

(a) Model No. / Series No. / or Type	(b) Manufacturer's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Part. Pd. No.	(g) Year Built
(1) <u>Swing Check</u>	<u>E-6318-43-4</u>	<u>N/A</u>	<u>93-14995 R/B</u>	<u>3</u>	<u>N/A</u>	<u>1979</u>
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. CONDENSATE
(Brief description of service for which equipment was designed)

6. Design Conditions 255 (Pressure) 150 (Temperature) P or Valve Pressure Class 150 (1)
 7. Cold Working Pressure 275 (Pressure) psi at 100°F.
 8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>BODY HT. # 1203W</u> <u>S/N 4</u>	<u>SA216-WCB</u>	<u>LEBANON STEEL FOUNDRY</u>	
<u>DISC HT. # 412D</u> <u>S/N 1</u>	<u>SA216-WCB</u>	<u>LEBANON STEEL FOUNDRY</u>	
(b) Forgings			
<u>N/A</u>			

(1) For manually operated valves only.
 * Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 8 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting BONNET STUDS HT. # 349387	SA193-B7	R.E.C. CORPORATION	
BONNET NUTS HT. # A74351	SA194-2H	NUTS, INCORPORATED	
(d) Other Parts BONNET HT. # 801W00480 S/N 20	SA515-70	MILLS ALLOY STEEL CO.	

9. Hydrostatic test 425 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this CLASS 1 valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974
 Addenda Summer 1974 Code Case No. 1515-2, 1774, 1773 Date 8-21-79
Anchor/Darling Valve Co. by R. L. Houskrecht
 Our ASME Certificate of Authorization No. N1712 to use the N symbol expires 4/15/80
(N) (NPV) (Case)

CERTIFICATION OF DESIGN

Design information on file at C. E. Braun & Co., 1000 S. Fremont Ave., Alhambra, CA 91802
 Stress analysis report (Class 1 only) on file at N/A
 Design specifications certified by (1) Alex Walsanko
 PE State CA Reg. No. 222,109
 Stress analysis certified by (1) N/A
 PE State _____ Reg. No. _____
 (1) Signatures not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Commercial Union Ins. Co.
11-177th St 21 79 have inspected the CLASS 1 valve, described in this Data Report on 8-21-79 and state that to the best of my knowledge and belief, the Manufacturer has constructed this CLASS 1 valve, in accordance with the ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Russell E. [Signature] Commission Pennsylvania NC 972
(Next Ad. State, Prov. and Nat.)

SERIAL NO: D63949
 MARK NO: 2SWS-487
 TYPE: VCWO15-A-3
 COMMENTS: _____

Form 858

2BV-073

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

1. Manufactured by Walworth Co., Greensburg Division, Greensburg, Pa. 15601
(Name and Address of Manufacturer)
 2. Manufactured for Duquesne Light Co.
(Name and Address of Purchaser or Owner)
 3. Location of Installation Beaver Valley Power Station, Shippingport, Beaver County, Pa.
(Name and Address)
 4. Pump or Valve Valve Nominal Inlet Size 3" (inch) Outlet Size 3"

(a) Model No. Series No. or Type	(b) Manufacturers' Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l Std. No.	(g) Year Built
(1) 5341 WE BB	D63949	N/A	SK-1952-18H	3	1321	1977
(2) _____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____

5. Steam, Water or Oil
(Brief description of service for which equipment was designed)

6. Design Conditions _____ psi _____ °F or Valve Pressure Class ANSI 150 (1)
(Pressure) (Temperature)

7. Cold Working Pressure 275 psi at 100°F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body 107G P1 ✓	SA-216, WCB ✓	Valve Castings	Seal Welded Seats
Cover 120X P9 ✓	SA-216, WCB	Walworth Co.	CoCrA Backseat
Disc D985 P1 ✓	SA-216, WCB	Walworth Co.	CoCrA Faced
(b) Forgings			
Duquesne Light Company			
Beaver Valley Unit No. 2			
P. O. No. 100-35, I. O. No. 12241			
Carbon Steel Valves 3 1/2" and Larger			
Category 1			
Walworth Company			
Greensburg, PA 15601			

VALVE
D63949
 SERIAL NO.

* For manually operated valves only.
 Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

00006

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
	SA-193, 2B	Daniel Bolt Co.	
Nat DOT&N Code GR	SA-193, 2B	Wm. H. Haskell Mfg. Co.	
(d) Other Parts			
Plug BM31	SA-105	Bonney Forge Div.	
Duquesne Light Company 2000 Walnut St. P.O. No. 12241 P.O. Box 12241, and Larger Category 1 Walworth Company Greensburg, Pa. 15601			VALVE 063949 SERIAL NO

9. Hydrostatic test: Greensburg, Pa. 15601

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971.
 Addenda June 30, 1972, Code Case No. 1672, Date 6/28/77
 Signed Walworth Co. by J. M. Hill
(Manufacturer)
 Our ASME Certificate of Authorization No. 950 to use the N symbol expires 1/6/78
(Date)

CERTIFICATION OF DESIGN

Design information on file at Walworth Co., Greensburg, Pa. 15601
 Stress analysis report (Class 1 only) on file at N/A
 Design specifications certified by (1) C. O. Richardson, Jr.
 PE State PA Reg. No. 016297E
 Stress analysis certified by (1) N/A
 PE State _____ Reg. No. _____
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by The Hartford Steam Boiler I & C of Hartford, Conn. 06102 have inspected the pump, or valve, described in this Data Report on 6-28-19-77 and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 6-28-19-77 Commissions 1184207N
(Date) (Natl Bd., State, Prov. and No.)

00007

Form No. 864

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

1. Owner Duquesne Light Company (Name) Date 03-19-96
411 Seventh Avenue - Pittsburgh, PA 15279 (Address) Sheet 1 of 1
 2. Plant Beaver Valley Power Station (Address) Unit No. 2
Shippingport, PA 15077 (Address) MWR #050038
Legal Organization P. O. Box, Ltd. Co., etc.
 3. Work Performed By DLCo - Maint. Programs (Name) Type Code Symbol Stamp Not Applicable
Shippingport, PA 15077 (Address) Authorization No.
 Expiration Date

4. Identification of System Service Water (Class 3)
 5. (a) Applicable Construction Code Section III 1980 Edition, S'81 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A
 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Globe Valve	Target Rock	4	N/A	2SWS-SOV130B	1984	Repaired	Yes

7. Description of Work Tack welded valve body to bonnet.

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

FORM NIS-2 (Back)

9. Remarks: Valve was disassembled for cleaning.

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 OF REPAIR/REPLACEMENT

Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Engineer - Date March 19, 1996
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 2/10/96 to 3/29/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NO 7509 (BNIS IS) PA 2162
Inspector's Signature National Board, State, Province, and Inspectors
Date March 24, 1996

Form No. 865

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

1. Owner Duquesne Light Company Date 12-31-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWRs #048288, #057877
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Class 2)

5. (a) Applicable Construction Code Section III, 1980 Edition, S'81 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1963E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Target Rock	3	N/A	2MSS-SOV105C	1984	Replacement	Yes
Main Disc	Target Rock	365	N/A	Ht#32614	1993	Replacement	Yes

7. Description of Work Replaced main disc, and seal welded body to bonnet

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

9. Remarks NPV-1 and N-2 Data Reports 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 Section XI. Repair Or Replacement

Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed _____ Date _____ 19 _____
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 3/22/96 to 1/14/97 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.

Robert Cimoch Inspector's Signature Commissions NB7509 (N,I) PA 2162 National Board, State, Province, and Endorsements

Date Jan 14 19 97

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

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

1. Manufactured and certified by Target Rock Corp.; 1966E Broadhollow Rd; Farmingdale, NY 11737
(name and address of NPT Certificate Holder)

2. Manufactured for Duquesne Light Co.; Shippingport, PA 15077
(name and address of Purchaser)

3. Location of installation Beaver Valley Power Station; Shippingport, PA 15077
(name and address)

4. Type: 100278-1 SA-564 630 140 ksi N/A 993
(drawing no.) (mat. spec. no.) (tensile strength) (CRP) (NPT Cover Size)

5. ASME Code, Section III, Division 1 1980 Summer 1981 2 None
(edition) (second date) (issue) (Class Code)

6. Fabricated in accordance with ASME Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks Spare part for valve model no. 83C-004
Main Disc

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

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>365</u>	<u>N/A</u>
(2) <u>N/A</u>	<u>N/A</u>
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure N/A N/A N/A N/A 260 psig Ambie
(psig) (Temp.) (°F) (Hydro. test pressure) (units specified) (at base)

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 on this form is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.
 This form (B0004G) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007 (12/88)

Certificate Holder's Serial Nos. 365 through

CERTIFICATION OF DESIGN

Design specifications certified by N. P. Plummer, J. F. Harkin P.E. State PA Reg. no. 4805 3038
Design report certified by Not Applicable P.E. State Reg. no.

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. 1428 Expires 12-12-5
Date 11/24/93 Name Target Rock Corporation Signed F. Champy, Inspector, Q.A.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of New York and employed by Commercial Union Insurance Company of Boston, Mass. have inspected these items described in this Data Report on 11/29/93 and state that best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment listed in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage of any kind arising from or connected with this inspection.

Date 11/29/93 Signed William A. Kalkas Commission N.Y. STATE COMMISSION NO. 226 COMMISSIONED IN PENN., OHIO & CO.

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			
Bonnet	ASME SA 479 SS 316	Universal Cyclops	
Main Disc	ASME SA 564 GR 630 SS	W-4 PH Universal Cyclops	
Indicator Tube	ASME SA 479, SS316	Jollyn Stainless Steel	
Seat Insert	ASME SA 479 SS 316L	Carpenter Technology	
Body Ends	ASME SA 696 CS	Cahn and Saul Steel	

3. Hydrostatic test 2225 psi. Dist. Differential test pressure 1650 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1980
 Addenda Summer 1981 Code Case No. _____
 Signed Target Rock Corporation by G. Abruzzo, Mgr. of Quality
 (in Certificate holder) 6-8 87
 Our ASME Certificate of Authorization No. 1947 to use the _____ symbol expires 12/9/86
 (N) _____ (Date)

CERTIFICATION OF DESIGN

Design information on file at Target Rock Corporation
 Stress analysis report (Class I only) on file at _____
 Design specifications certified by (1) K.F. Pfriemer, John F. Herkin
 PE State CT, PA Reg. No. 8805, 30388-E
 Stress analysis certified by (1) _____
 PE State _____ Reg. No. _____
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspecting and the State or Province of New York and employed by Commercial Union Ins.
Boston, Mass. have inspected the pump, or valve, described in this Data Report on
 of 678 19 84 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 6/8 84 19 84 NEW YORK STATE COMMISSION NO. 2288
 Commissions ALSO COMMISSIONED IN Penn., Ohio & Conn.
 (Natl. Bd. State Prov. sig No.)

Form No. 866

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

1. Owner Duquesne Light Company Date 01-08-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#048289
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A
4. Identification of System Main Steam (Class 2)
5. (a) Applicable Construction Code Section III, 1980 Edition, S'81 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1982E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Target Rock	6	N/A	2MSS-SOV105F	1984	Repair	Yes
Main Disc	Target Rock	373	N/A	---	1996	Replacement	Yes

7. Description of Work Replaced main disc, and seal welded body to bonnet.

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

FORM NIS-2 (Back)

9. Remarks NPV-1 and N-2 Data Reports 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 Section XI. Repair Or Replacement

Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng. Date January 08, 19 97
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 State or Province of Pennsylvania and employed by Ardenright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 3/22/96 to 11/9/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7504(NISBIS) PA 2102
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 9, 19 97

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES***
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Form No 866

Pg. 1 of 1

1. Manufactured and certified by Target Rock Corp.; 1966E Broadhollow Rd., Farmingdale, NY 11735
(name and address of NPT Certificate Holder)
2. Manufactured for Duquesne Light Co.; Shippingport, PA 15077
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station; Route 168; Shippingport, PA 15077
(name and address)
4. Type: 300278-1 SA564 630 140 ksi NA 1996
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1980 Summer 1981 2 None
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) NA Revision NA Date NA
(no.)
7. Remarks: Main Disc
Spare parts for valve model no. 83C-004, -027
8. Nom. thickness (in.) NA Min. design thickness (in.) NA Dia. ID (ft & in.) NA Length overall (ft & in.) NA
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>373</u>	<u>NA</u>
(2) <u>374</u>	
(3) <u>NA</u>	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

Design pressure NA psi. Temp. NA °F. Hydro. test pressure 260 psig at temp. °F
(when applicable): Ambient

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

Certificate Holder's Serial Nos. 373 through 374

CERTIFICATION OF DESIGN

Design specifications certified by J. F. Harkin (when applicable) P.E. State PA Reg. no. 30388-E
Design report* certified by Not applicable (when applicable) P.E. State Reg. no.

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1948 Expires 05/03/96

Date 3/28/96 Name Target Rock Corporation (NPT Certificate Holder) Signed [Signature] (authorized representative)

CERTIFICATE OF INSPECTION

R. Glazier, Mgr., Quality Engineer

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Commercial Union Insurance Co. of Boston, MA have inspected these items described in this Data Report on 3/28/96, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 3/28/96 Signed William A. Roland (Authorized Inspector) N.Y. STATE COMMISSION NO. 22 COMMISSIONED IN PENN., OHIO & CONN. (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM NPV-T, N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
 As Required by the Provisions of the ASHRAE Code, Section 18, Div. 1

1. Manufactured by Target Rock Corporation 1966E Broadhollow Rd E. Farmingdale, N.Y.
(Name and Address of N Certificate Holder)
 2. Manufactured for Duquesne Light Company, Shippingport, Pennsylvania
(Name and Address of Purchaser or Owner)
 3. Location of Installation Brayer Valley Power Station, Unit 2 Shippingport, Pennsylvania
(Name and Address)
 4. Pump or Valve VALVE Nominal Inlet Size 3 Outlet Size 3
(Inch) (Inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Std. No.	(g) Year Built
(1)	B3C	1	-----	83C-007	2	-----	1984
(2)	B3C	2		83C-007	2		1984
(3)	B3C	3		83C-007	2		1984
(4)	B3C	4		83C-007	2		1984
(5)	B3C	5		83C-007	2		1984
(6)							
(7)							
(8)							
(9)							
(10)							

STEAM ISOLATION TO AUXILIARY FEEDWATER PUMP TURBINE STEAM
(Brief description of service for which equipment was designed)

6. Design Conditions 1085 psi 560 °F or Valve Pressure Class 600 (1)
(Pressure) (Temperature)
 7. Cold Working Pressure 1480 psi at 100°F.
 8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
(b) Forgings			
Body	ASME SA 105 CS	Cape Ann Tool Company	

RECEIVED
 AUG 3 1984
 Stone & ...
 Engineering Corporation
 Document Review

(1) For manually operated valves only.
 * Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets recorded at top of this form.

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Backing			
(d) Other Parts			
Bonnet	ASME SA 479 SS 316	Universal Cyclops	
Main Disc	ASME SA 564 GR 630 SS	W-4 PH Universal Cyclops	
Indicator Tube	ASME SA 479 SS 316	Joelyn Stainless Steel	
Seat Insert	ASME SA 479 SS 316L	Carpenter Technology	
Body Ends	ASME SA 696 CS	Cañ and Saul Steel	

9. Hydrostatic test 2225 psi. Dist Differential test pressure 1630 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1980
 Addenda Summer 1981 Code Case No.
 Signed Target Rock Corporation by G. Abruzzo, Mgr. of Quality 12-8-84
 (in Certificate Holder's Name) to use the N symbol expires 12/9/86
 Our ASME Certificate of Authorization No. 1947 (N)

CERTIFICATION OF DESIGN

Design information on file at Target Rock Corporation
 Stress analysis report (Class I only) on file at
 Design specifications certified by (1) K.P. Pflimmer, John F. Harkin
 PE State CT, PA Reg. No. 8805, 30388-E
 Stress analysis certified by (1)
 PE State Reg. No.
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspecting and the State or Province of New York and employed by Commercial Union Ins.
 of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 6/8 1984 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 12/8/84 Commissions NEW YORK STATE COMMISSION NO. 2288

 (Natl. Bd. State, Prov. and No.)

Form No. 893

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

1. Owner Duquesne Light Company Date 01-08-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#048845
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Class 2)

5. (a) Applicable Construction Code Section III, 1980 Edition, S81 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S153A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Brand No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Target Rock	2	N/A	2MSS-SOV105B	1984	Repair	Yes
Main Disc	Target Rock	379	N/A	Ht#A1464	1996	Replacement	Yes

7. Description of Work Replaced main disc, and seal welded body to bonnet.

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

FORM NIS-2 (Back)

9. Remarks NPV-1 and N-2 Data Reports 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 Section XI. Repair Or Replacement

Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng Date January 08, 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 5/1/96 to 1/9/97 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.

Robert Cimoch Inspector's Signature Commissions NB7509 (NIS/BIS) PA 2162 National Board, State, Province, and Endorsements

Date Jan 9, 19 97

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES***
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

Form No. 893

Pg. 1 of 2

1. Manufactured and certified by Target Rock Corp.; 1966E Broadhollow Rd., Farmingdale, NY
(name and address of NPT Certificate Holder) 11735
2. Manufactured for Duquesne Light Co.; Shippingport, PA 15077
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station, ;:Route 168; Shippingport, PA 15077
(name and address)
4. Type: 300278-1 SA564-630 140 ksi N/A 1996
(drawing no.) (mat. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1980 Summer 1981 2 None
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) NA Revision NA Date NA
(no.)
7. Remarks: Main wisc
Spare parts for valve model no. 83C-004, -007, -027

8. Nom. thickness (in.) NA Min. design thickness (in.) NA Dia. ID (ft & in.) NA Length overall (ft & in.) NA
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>377</u>	<u>NA</u>
(2) <u>379</u>	
(3) <u>N/A</u>	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure NA psi. Temp. NA °F. Hydro. test pressure 260 psig at temp. °F
(when applicable) Ambient

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 5 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Certificate Holder's Serial Nos. 377 and 379

CERTIFICATION OF DESIGN

Design specifications certified by J. F. Harkin P.E. State PA Reg. no 30388-E
Design report* certified by Not Applicable P.E. State - Reg. no -

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1948 Expires 12/12/98
Date 9/04/96 Name Target Rock Corp. Signed R. Glazier, Mgr., Q.E.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Commercial Union Insurance Co. of Boston, MA have inspected these items described in this Data Report on 9/4/96 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 9/4/96 Signed William O. Roland N.Y. STATE COMMISSION NO. 2288 COMMISSIONED IN PENN., OHIO & CO. IN.

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			
Bonnet	ASME SA 479 SS 316	Universal Cyclops	
Main Disc	ASME SA 564 GR 630 SS	W-4 PH Universal Cyclops	
Indicator Tube	ASME SA 479, SS316	Jollyn Stainless Steel	
Seat Insert	ASME SA 479 SS 316L	Carpenter Technology	
Body Ends	ASME SA 696 CS	Cahn and Saul Steel	

9. Hydrostatic test 2225 psi. Disk Differential test pressure 1630 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1980
 Addenda Summer 1981 Code Case No. _____
 Signed Target Rock Corporation by G. Abruzzo, Mgr. of Quality 6-8 84
(In Certificate Holder)
 Our ASME Certificate of Authorization No. 1947 to use the N symbol expires 12/9/86
(Date)

CERTIFICATION OF DESIGN

Design information on file at Target Rock Corporation
 Stress analysis report (Class I only) on file at _____
 Design specifications certified by (1) K.P. Pfriemer, John F. Harkin
 PE State CT, PA Reg. No. 8805, 30388-E
 Stress analysis certified by (1) _____
 PE State _____ Reg. No. _____
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspecting and the State or Province of New York and employed by Commercial Union Ins.
 of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 6/8 19 84 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 6/8 1984 NEW YORK STATE COMMISSION NO. 2288
 Commissions ALSO COMMISSIONED IN Penn., Ohio & Conn.
(Rate) Bd. State, Prov. and No.

Form No. 894

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

1. Owner Duquesne Light Company Date 01-08-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#048648
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Class 2)

5. (a) Applicable Construction Code Section III, 1980 Edition, S'81 Addenda N/A Code Cases
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Spec. No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Target Rock	5	N/A	2MSS-SOV105E	1984	Repair	Yes
Main Disc	Target Rock	374	N/A	Ht#A1464	1996	Replacement	Yes

7. Description of Work Replaced main disc, and seal welded body to bonnet.

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

FORM NIS-2 (Back)

9. Remarks NPV-1 and N-2 Data Reports 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 Section XI. Repair Or Replacement

Type Code Symbol Stamp per NPQAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Robert A. Amos* Date January 08 19 97
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 State or Province of Pennsylvania and employed by Ardenright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 5/1/96 to 1/9/97 and state that 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 this inspection.

Robert Amos Commissions NB7509(NISBI)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 9 19 97

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

Form 894

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

Pg. 1 of 1

1. Manufactured and certified by Target Rock Corp.; 1966E Broadhollow Rd., Farmingdale, NY 11735
(Name and address of NPT Certificate Holder)
2. Manufactured for Duquesne Light Co.; Shippingport, PA 15077
(Name and address of Purchaser)
3. Location of installation Beaver Valley Power Station; Route 168; Shippingport, PA 15077
(Name and address)
4. Type: 300278-1 SA564 630 140 ksi NA 1996
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1980 Summer 1981 2 None
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) NA Revision NA Date NA
(no.)
7. Remarks: Main Disc
Spare parts for valve model no. 83C-004, -027

8. Nom. thickness (in.) NA Min. design thickness (in.) NA Dia. ID (ft & in.) NA Length overall (ft & in.) NA
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>373</u>	<u>NA</u>
(2) <u>374</u>	
(3) <u>NA</u>	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

Design pressure NA psi. Temp. NA °F. Hydro. test pressure 260 psig at temp. °F
(when applicable) Ambient

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

Certificate Holder's Serial Nos. 373 through 374

CERTIFICATION OF DESIGN

Design specifications certified by J. F. Harkin P.E. State PA Reg. no. 30388
(when applicable)

Design report* certified by Not applicable P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1948 Expires 05/03/96

Date 3/28/96 Name Target Rock Corporation Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

R. Glazier, Mgr., Quality Engineer

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Commercial Union Insurance Co. of Boston, MA have inspected these items described in this Data Report on 3/28/96 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 3/28/96 Signed [Signature] Commission No. N. Y. STATE COMMISSION NO. 22
(Authorized Inspector) COMMISSIONED IN PENN., OHIO & CONN.
(Natl. Bd. (incl. endorsements) and state or prov. and no.)

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES
As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Target Rock Corporation 1966E Broadhollow Rd E. Farmingdale, N.Y. 1
(Name and Address of N Certificate Holder)

2. Manufactured for Duquesne Light Company Shippingport, Pennsylvania
(Name and Address of Purchaser or Owner)

3. Location of installation Beaver Valley Power Station, Unit 2 Shippingport, Pennsylvania
(Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 3" (inch) Outlet Size 3 (inch)

(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Mat'l. Bd. No.	(g) Year Built
(1) 83C	5	.	83C-007	2		1984
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. STEAM ISOLATION TO AUXILIARY FEEDWATER PUMP TURBINE STEAM
(Brief description of service for which equipment was designed)

6. Design Conditions 1085 psi 560 °F or Valve Pressure Class 600 (1)
(Pressure) (Temperature)

7. Cold Working Pressure 1480 psi at 100°F.

8. Pressure Retaining Pieces

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
(b) Forgings			
Body	ASME SA 105 CS	Cape Ann Tool Company	

(1) For manually operated valves only.
Supplemental entries in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 3 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at end of this form.

Part No.	Material Spec. No.	Manufacturer	Remarks
(c) <u>Boring</u>			
(d) <u>Other Parts</u>			
<u>Bonnet</u>	ASME SA 479 SS 316	Universal Cyclops	
<u>Main Disc</u>	ASME SA 564 GR 630 SS	17-4 PH Universal Cyclops	
<u>Indicator Tube</u>	ASME SA 479 SS 316	Joslyn Stainless Steel	
<u>Gear Insert</u>	ASME SA 479 SS 316L	Carpenter Technology	
<u>Body Ends</u>	ASME SA 696 CS GR C	Cann and Saul Steel	

9. Hydraulic test 2225 psi. Disk Differential test pressure 1630 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1980

Addenda Summer 1981 Code Case No. _____

Signed Target Rock Corporation by G. Abruzzo, Mgr. of Quality 6-25-87

Our ASME Certificate of Authorization No. 1947 to use the N symbol expires 12/9/86

CERTIFICATION OF DESIGN

Design information on file at Target Rock Corporation

Stress analysis report (Disc 1 only) on file at _____

Design specifications certified by (1) K.P. Pfriemer, John R. Harkin

PE State CT, PA Reg. No. 8805, 30308-2

Stress analysis certified by (1) _____

PE State _____ Reg. No. _____

(1) Signature not required. List name only.

RECEIVED
 JUL 10 1984
 State & Webster
 Engineering Corporation
 Document Review

CERTIFICATE OF SHOP INSPECTION

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

of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 6-25-87 1984, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

[Signature] 1984
 Commission NEW YORK STATE COMMISSION NO. 2288
 (Not Bd. State Prov. and No.)

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

1. Owner Duquesne Light Company Date 10-07-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#044429
(ADDRESS) REPAIR ORGANIZATION P.O. NO. JOB NO. ETC

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Feedwater (Class 3)

5. (a) Applicable Construction Code Section III, 1971 Edition, S72 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Copes-Vulcan	7310-952-55-1-1	787	2FWS-FCV478	1977	Repair	Yes
Plug	Copes-Vulcan	9350-96331-1-1	N/A	N/A	1993	Replacement	Yes

7. Description of Work Replaced valve trim

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

FORM NIS-2 (Back)

9. Remarks N-2 Report attached. Previous NIS-2 Data Report Nos: 794, 383, 130, and 077.

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 per NPDAP 8 5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng Date December 27 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 5/29/96 to 12/30/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (NISBIS) PA 2162
Inspector's Signature National Board State Province and Endorsements

Date Dec 30 19 96

Form No 898

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

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

Pg. 1 of _____

1. Manufactured and certified by Copes-Vulcan, Inc., Martin & Rice Avenues, Lake City, PA 16423
(name and address of NPT Certificate Holder)
2. Manufactured for Duquesne Light Company, Pittsburgh, PA
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station, Shippingport, PA
(name and address)
4. Type: D-343608 Rev.0 A276-85a Tvp 420 220 ksi --- 1993
(drawing no.) (mat. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1971 Summer 1972 3 N-62-6
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision --- Date ---
(no.)
7. Remarks: Plugs for 12" Hush Trim per Ass'y Dwg. D-166222 Rev. 20
Trim Layout Dwg. E-343611 Rev. 0
Cust. P.O. D-123417 CV Job 9350-96331
Ref. CV Job 7310-95255
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>9350-96331-1-1 (93-1)</u>	<u>N/A</u>
(2) <u>9350-96331-1-3 (93-3)</u>	<u>N/A</u>
(3) <u>9350-96331-1-4 (93-4)</u>	<u>N/A</u>
(4) _____	
(5) _____	
(6) _____	
(7) _____	
(8) _____	
(9) _____	
(10) _____	
(11) _____	
(12) _____	
(13) _____	
(14) _____	
(15) _____	
(16) _____	
(17) _____	
(18) _____	
(19) _____	
(20) _____	
(21) _____	
(22) _____	
(23) _____	
(24) _____	
(25) _____	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26) _____	
(27) _____	
(28) _____	
(29) _____	
(30) _____	
(31) _____	
(32) _____	
(33) _____	
(34) _____	
(35) _____	
(36) _____	
(37) _____	
(38) _____	
(39) _____	
(40) _____	
(41) _____	
(42) _____	
(43) _____	
(44) _____	
(45) _____	
(46) _____	<u>Duq. PO# D123417</u>
(47) _____	<u>CV PO 9350-96331</u>
(48) _____	
(49) _____	
(50) _____	

10. Design pressure 1445 psi. Temp. 443 °F. Hydro. test pressure N/A at temp. °F
(when applicable)

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

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1843 Expires 8/19/95

Date 9-14-93 Name Copes-Vulcan, Inc. Signed [Signature] (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Protection Mutual Insurance Company* of Norwood, MA have inspected these items described in this Data Report on 9/14/93 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 9/14/93 Signed [Signature] (Authorized Inspector) Commissions 138563 & P-2274 (Nat. B. Bd. of Inspectors and state or prov. and no.)

Duq. PO# D123417
CV PO 9350-96331

Form No. 899

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

1. Owner Duquesne Light Company Date 01-02-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#044430
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Feedwater (Class 3)

5. (a) Applicable Construction Code Section III, 1971 Edition, S'72 Addenda N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Copes-Vulcan	7310-95255-1-2	795	2FWS-FCV488	1977	Repair	Yes
Plug	Copes-Vulcan	9350-96331-1-2	N/A	N/A	1993	Replacement	Yes

7. Description of Work Replaced valve trim

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

FORM NIS-2 (Back)

9. Remarks N-2 Data Report attached. Previous NIS-2 Data Report Nos: 046, 047, 078, 131, 238,
384, and 795.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed Donald L. G. Senior Eng. Date January 02, 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 5/29/96 to 1/3/97, 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.

Robert Cimoch Commissions NB7509(NISBIS)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan. 3, 19 97

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

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

- 1. Manufactured and certified by Copes-Vulcan, Inc., Martin & Rice Avenues, Lake City, PA 16423
(name and address of NPT Certificate Holder)
- 2. Manufactured for Duquesne Light Company, Pittsburgh, PA
(name and address of Purchaser)
- 3. Location of installation Beaver Valley Power Station, Shippingport, PA
(name and address)
- 4. Type: D-343608 Rev.0 A276 Typ 420 220 ksi --- 1993
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
- 5. ASME Code, Section III, Division 1: 1971 Summer 1972 3 N-62-6
(edition) (addenda date) (class) (Code Case no.)
- 6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision --- Date ---
(no.)
- 7. Remarks: Plugs for 12" Hush Trim per Ass'y Dwg. D-166222 Rev. 20
Trim Layout Dwg. E-343611 Rev. 0 CV Job 9350-96331
Cust. P.O. D123417 CV Ref. Job 7310-95255
- 8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
- 9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 9350-96331-1-2 (93-5)	N/A
(2) _____	
(3) _____	
(4) _____	
(5) _____	
(6) _____	
(7) _____	
(8) _____	
(9) _____	
(10) _____	
(11) _____	
(12) _____	
(13) _____	
(14) _____	
(15) _____	
(16) _____	
(17) _____	
(18) _____	
(19) _____	
(20) Duq. PO# D123417	
(21) CV PO 9350-96331	
(22) _____	
(23) _____	
(24) _____	
(25) _____	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26) _____	
(27) _____	
(28) _____	
(29) _____	
(30) _____	
(31) _____	
(32) _____	
(33) _____	
(34) _____	
(35) _____	
(36) _____	
(37) _____	
(38) _____	
(39) _____	
(40) _____	
(41) _____	
(42) _____	
(43) _____	
(44) _____	
(45) _____	
(46) _____	
(47) _____	
(48) _____	
(49) _____	
(50) _____	

10. Design pressure 1445 psi. Temp. 443 °F. Hydro. test pressure N/A at temp. °F (when applicable)

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

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1843 Expires 8/19/95

Date 10-5-93 Name Copes-Vulcan, Inc. Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Protection Mutual Insurance Company* of Norwood, MA have inspected these items described in this Data Report on 10/5/93 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/5/93 Signed [Signature] Commissions LB8563 & PA2274
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Duq. PO# D123417
 CV PO 9350-96331

Form No. 900

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

1. Owner Duquesne Light Company Date 10-07-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#044431
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC
3. Work Performed By DlCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A
4. Identification of System Feedwater (Class 3)
5. (a) Applicable Construction Code Section III, 1971 Edition, §72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-§83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Copes-Vulcan	7310-952-55-1-3	803	2FWS-FCV498	1977	Repair	Yes
Plug	Copes-Vulcan	9350-96331-1-3	N/A	N/A	1993	Replacement	Yes

7. Description of Work Replaced valve trim

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

FORM NIS-2 (Back)

9. Remarks N-2 Report attached. Previous NIS-2 Data Report Nos: 796, 385, 239, 132, 079, 052,
and 011.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Thomas J. White* Senior Eng Date December 03 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co of
Norwood, Massachusetts have inspected the components described in the
Owner's Report during the period 5/29/96 to 12/30/96 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.

Robert Cimoch Commissions NB7509 (NISBIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 30 19 96

Form No 900

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

- 1. Manufactured and certified by Gopes-Vulcan, Inc., Martin & Rice Avenues, Lake City, PA 16423
2. Manufactured for Duquesne Light Company, Pittsburgh, PA
3. Location of installation Beaver Valley Power Station, Shippingport, PA
4. Type: D-343608 Rev. 0 A276-85a Typ 420 220 ksi --- 1993
5. ASME Code, Section III, Division 1: 1971 Summer 1972 3 N-62-6
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision --- Date ---
7. Remarks: Plugs for 12" Hush Trim per Ass'y Dwg. D-166222 Rev. 20 Trim Layout Dwg. E-343611 Rev. 0 Cust. P.O. D-123417 CV Job 9350-96331
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Ref. CV Job 7310-95255

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. in Numerical Order. Rows 1-25.

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. in Numerical Order. Rows 26-50. Includes handwritten text: Duq. PO# D123417 CV PO 9350-96331

10. Design pressure 1445 psi. Temp. 443 °F. Hydro. test pressure N/A at temp. °F

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

CERTIFICATION OF DESIGN

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1843 Expires 8/19/95
Date 9-11-93 Name Copes-Vulcan, Inc. Signed [Signature]
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Protection Mutual Insurance Company* of Norwood, MA have inspected these items described in this Data Report on 9/14/93 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 9/14/93 Signed [Signature] Commissions B8563 & P 2374
(Authorized Inspector) (Nat. Bd. Incl. endorsements) and state or prov. and no. 1

Duq. PO# D123417
CV PO 9350-96331

Form No. 904

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

1. Owner Duquesne Light Company (Name) Date 08-19-98
411 Seventh Avenue - Pittsburgh, PA 15279 (Address) Sheet 1 of 2
 2. Plant Beaver Valley Power Station (Address) Unit No. 2
Shippingport, PA 15077 (Address) MWR #052737 (Repair Organization P.O. No., Job No., etc.)
 3. Work Performed By DLCo - Maint. Programs (Name) Type Code Symbol Stamp Not Applicable
Shippingport, PA 15077 (Address) Authorization No. _____
 Expiration Date _____

4. Identification of System Service Water (Class 3)
5. (a) Applicable Construction Code Section III 1971 Edition, S'73 Addenda, 1672 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ball Valve	Contromatics	86330-4-3	N/A	2SWS-717	1980	Repaired	YES

7. Description of Work Weld repaired pinhole leaks in valve outlet end piece.

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

FORM NIS-2 (Back)

9. Remarks: NPV-1 form attached. Pinholes in the valves outlet end piece, caused by flow erosion,
were weld repaired in accordance with Code Case N-416-1, root and final LP inspections
were performed.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *[Signature]* Senior-Eng Date Aug 21 19 96
Owner of Owner's Design, 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 Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 6/10/96 to 8/21/96, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (NISBIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Aug 21 19 96

SERIAL NO: 86330-4-3
MARK NO: 2BWB-717
TYPE: VBW015-B-3
COMMENTS: _____

P.O. 22V-67, Item No. 508 S.O. NP86330, Item No. 4
FORM NPV-1 IN CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Div. 1

- 1. Manufactured by Contromatics Div., 222 Roberts St., E. Hartford, Ct. 06108
- 2. Manufactured for Duquesne Light Co., P.O. Box 186, Shippingport, Beaver Valley, Pa.
- 3. Location of Installation Beaver Valley Power Station, Unit 2, Shippingport, Pa.
- 4. Pump or Valve Ball Valve Inlet Size 4 Outlet Size 4

(1)	(2) Model No. or Type	(3) N Certificate Member's Serial No.	(4) N Certificate Member's Registration No.	(5) Inlet Drawing No.	(6) Inlet Class	(7) N Part No.	(8) Year Built
(7)	C-9933-BC	86330-4-1	N/A	298-40-08	1	N/A	1980
(8)	C-9933-BC	86330-4-2	N/A	298-40-08	1	N/A	1980
(9)	C-9933-BC	86330-4-3	N/A	298-40-08	1	N/A	1980
(10)							
(11)							
(12)							
(13)							
(14)							

- 5. Material, Category I Mark No. VBW015-B-3
- 6. Design Conditions N/A psi N/A Temperature
- 7. Cold Working Pressure 275 psi at 100°F
- 8. Pressure Retaining Pieces

(1) Part No.	(2) Material Spec. No.	(3) Manufacturer	(4) Remarks
(a) Castings			
Body Ht #G371	ASME-SA-216 WCB	Lodi Iron Works	
End Cap Ht #E685 Ht #G157	ASME-SA-216 WCB	Lodi Iron Works	
Ball Ht #4179	ASME-SA-351 CFB	Volkrath Company	
(b) Forgings			

(1) For manually operated valves only

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

(10/77) The form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Part No	Material Spec. No.	Manufacturer	Remarks
Std HT #0644825	ASME-SA-193 Gr. B8	Joe. Dyson & Sons	
Mut HT #03553	ASME-SA-194 Gr. B	Joe. Dyson & Sons	
All Other Parts			

ASME Code Section 1
 2. Designated Code 425
 3. Date of Report and program 279

CERTIFICATE OF COMPLIANCE

I hereby certify that the statements made in this report are correct and that the pump or valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. L, Edition 1972.

Address: Summer 1973 Code Case No. 1672 Date: 1973

Signed: Contrometrics Division by R. Schw... State: State

Our ASME Certificate of Authorization No. N-1934 to use the ASME symbol expires 11/16/83

CERTIFICATION OF DESIGN

Design information on file at Contrometrics Division

Stress analysis report (Class I only) on file at _____

Design specifications certified by (1) Partho Ravisirar

PE State Penn. Reg No. 28246-E

Stress analysis certified by (1) _____

PE State _____ Reg No. _____

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Connecticut and employed by Lumbermens Mutual Co of North Quincy, Mass. have inspected the pump or valve described in this Data Report on 11-13 19 70 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve in accordance with the ASME Code, Section III.

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

Date: 11-19-70

Commission: CF 528 P-1600
Mar 1968 State Paper and Fee 1

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

1. Owner Duquesne Light Company Date July 15, 1996
One Oxford Centre, Pittsburgh, PA 15279 Sheet 1 of 2
2. Plant Beaver Valley Power Station Unit BVPS Unit 2
Shippingport, PA 15077 Design Change Package 2000
3. Work Performed by Duquesne Light Company Type Code Symbol Stamp Not Applicable
Shippingport, PA 15077 Authorization No. Not Applicable
Expiration Date Not Applicable
4. Identification of System Main Steam System (MSS), Class 3
5. (a) Applicable Construction Code ASME III, 1971 Edition, thru Winter 72, Addenda, none Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed., Summer 83 Add.
6. Identification of Components Repaired or Replaced and Replacement Components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	2-MSS-750-207-3	N/A	Replaced	No
Pipe	NA	N/A	N/A	2-MSS-750-208-3	N/A	Replaced	No
Pipe	N/A	N/A	N/A	2-MSS-750-209-3	N/A	Replaced	No
Pipe	N/A	N/A	N/A	2-MSS-150-220-3	N/A	Replaced	No
Pipe	N/A	N/A	N/A	2-MSS-750-900-3	N/A	Replaced	No
Pipe	N/A	N/A	N/A	2-MSS-750-909-3	N/A	Replaced	No

7. Description of work Replacement of carbon steel pipe (modification).
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1390 psi Test Temp. 69 °F
- * Both Trains hydrostatically tested at the same test pressure.

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

FORM NIS-2 (Back)

9. Remarks Modification by Duquesne Light Company
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, Section XI. repair or replacement

Type Code Symbol Stamp per NPDAP 8.5, "ASME Section XI Repair/Replacement Program"

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

Signed L E Clark Sr. Engineer Date July 15 19 96
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 State or Province of PENNSYLVANIA and employed by ARKWRIGHT MUTUAL INS. CO of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4/6/93 to 11/19/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch Commissions NB 7509 (NISBIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date July 18 19 96

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279

Date July 15, 1996
Sheet 2 of 2

2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Unit BVPS Unit 2
Design Change Package 2000

3. Work Performed by Duquesne Light Company
Shippingport, PA 15279

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System Main Steam System (MSS), Class 3

5. (a) Applicable Construction Code ASME III, 1971 Edition, thru Winter 72, Addenda, none Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed., Summer 83 Add.

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

(New Line Numbers, Valves and Components)

Name of 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	N/A	N/A	N/A	2-MSS-750-932-3	N/A	Replacement	No
Pipe	N/A	N/A	N/A	2-MSS-010-933-3	N/A	Replacement	No
Pipe	N/A	N/A	N/A	2-MSS-750-934-3	N/A	Replacement	No
Pipe	N/A	N/A	N/A	2-MSS-750-935-3	N/A	Replacement	No
Pipe	N/A	N/A	N/A	2-MSS-750-936-3	N/A	Replacement	No
Pipe	N/A	N/A	N/A	2-MSS-750-939-3	N/A	Replacement	No

Date July 15, 1996 Signed LE Arch for DPP by Duquesne Light Co.

Date July 18, 1996

Robert Cimoch
(Inspector)

Commissions NB 7509 (WISBIS) PA 2162
(Nat'l. Board, State, Prov. and No.)

Form No. 910

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

1. Owner Duquesne Light Company Date 01-09-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#041583
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Chemical and Volume Control (Class 2)

5. (a) Applicable Construction Code Section III, 1971 Edition, S72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Fisher Controls	5726056	2369	2CHS-AOV200B	1977	Repair	Yes

7. Description of Work Valve was cutout, rotated 180 degrees, and welded back in.

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

FORM NIS-2 (Back)

9. Remarks Valve was cutout, rotated 180 degrees, and rewelded back to the system in
accordance with Code Case N-418-1, root and final LP examinations were performed.

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 per NPDAP 8 5 'ASME Section XI Repair/Replacement Program'

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

Signed [Signature] Senior Eng. Date January 09, 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 7/24/96 to 1/10/97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (NBIBIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan. 10, 19 97

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

1. Owner Duquesne Light Company Date 9/30/96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. BVPS #2
(NAME)
Shippingport, PA 15077 Design Change Package 1604
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. Not Applicable
(ADDRESS) Expiration Date Not Applicable

4. Identification of System Area Ventilation Cooling System, ASME Class 3

5. (a) Applicable Construction Code ASME III 1974 Edition, Winter Addenda, none Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Safeguards Building Cooling Coil	Aerofin Corporation	960613	772	Mark No. 2HVR*ACU-207A	1996	Replacement	Yes
"	Aerofin Corporation	960614	773	Mark No. 2HVR*ACU-207B	1996	Replacement	Yes
"	Carrier	8094695	146701	"	1980	Replaced	Yes
"	Carrier	8094699	146704	"	1980	Replaced	Yes

7. Description of Work Replacement of existing cooling coils having copper-nickle u-bend tubes
with cooling coils having straight stainless steel tubes.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 225 psi Test Temp. min 70 °F

FORM NIS-2 (Back)

9. Remarks Each stainless steel cooling coil was installed by DCP-1604 during the Unit #2 Sixth Refueling
Outage.

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 per NPDAP 8 5 "ASME Section XI Repair/Replacement Program"

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

Signed J.B. Leckman Senior Engineer Date SEPTEMBER 30 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of
Norwood, Massachusetts have inspected the components described in the
Owner's Report during the period 2/23/96 to 10/3/96 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.

Robert J. Cernock Commissions NB-7509 (NIBSIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct 3 19 96

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by AEROFIN CORPORATION, 4621 MURRAY PLACE, LYNDENBURG, VA 22834
(name and address of Certificate holder)
2. Manufactured for DUQUESNE LIGHT COMPANY, BEAVER VALLEY STATION, SHEPPINGPORT, PA 15784
(name and address of Purchaser)
3. Location of installation DUQUESNE LIGHT COMPANY, BEAVER VALLEY STATION, SHEPPINGPORT, PA 15784
(name and address)
4. Type: HORIZONTAL HEAT EXCHANGER 960613 N-R-1008 772 1999
(horiz. or vert.) (tank, jacketed, heat exch.) (Cert. holder's serial no.) (CRN) (drawing no.) (Nat. ID no.) (year built)
5. ASME Code, Section III, Division 1: 1974 1974 WINTER 3 --
(edition) (addenda date) (class) (Code Case no.)

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

6. Shell: SA-240, 304 75,000 1" .705" 0' - 8.5" 0' - 2.5"
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. O.D. & in.) (length overall: ft. & in.)
7. Seams: NONE -- -- -- -- -- -- --
(long.) (HT) (RT) (eff. %) (length) (HT) (RT) (no. of courses)
8. Heads: SA-240, 304 75,000 SA-240, 304 75,000
(a) (mat'l. spec. no.) (tensile strength) (b) (mat'l. spec. no.) (tensile strength)

Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Stress Pressure (convex or concave)
(a) ENDS	.8125"	FLAT	--	--	--	--	2" X 7"	--
(b) SIDES	.8125"	FLAT	--	--	--	--	2" X 35"	--

If removable, bolts used (72) 5/8"-11 X 2 1/4", SA-193, GR. 88 Other fastening --
(mat'l. spec. no., size, quantity) (describe or attach sketch)

9. Jacket closure: --
(Describe as gage & weld, bar, etc. If bar, give dimensions, describe or sketch)
10. Design pressure² 150 at m/v. temp. 120. Min. pressure-test temp. 70. Pneu., hydro., or comb. test pressure 225
(psi) (°F) (°F) (psi)

Items 11 and 12 to be completed for tube sections.

11. Tubesheets: SA-240, 304 7" 1" BOLTED
(stationary, mat'l. spec. no.) (dia. in. (subject to press.)) (thickness (in.)) (attachment (welded, bolted, etc.))
12. Tubes: SA-213, TP-304 .625" .049" 147 STRAIGHT
(mat'l. spec. no.) (OD (in.)) (thickness (inches or gage)) (no.) (type (straight or coil))

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

13. Shell: -- -- -- -- -- --
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. O.D. & in.) (length overall: ft. & in.)
14. Seams: -- -- -- -- -- -- -- --
(long. welded, dbl., single) (HT (yes or no)) (RT) (eff. %) (length) (HT) (RT) (no. of courses)
15. Heads: -- -- -- -- -- --
(a) (mat'l. spec. no.) (tensile strength) (b) (mat'l. spec. no.) (tensile strength) (c) (mat'l. spec. no.) (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Stress Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

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

16. Design pressure² -- at --. Min. pressure-test temp. --. Pneu., hydro., or comb. test pressure --
(psi) (°F) (°F) (psi)

* If postweld heat treated. ² List other internal or external pressure with coincident temperature when applicable.

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1 through 4 of this Data Report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form.

PAC
6

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	3" NPS TO 2" NPS	REDUCING	WELDED	SA-182 F-304	150 LB	N/A	END
OUTLET	1	3" NPS TO 2" NPS	REDUCING	WELDED	SA-182 F-304	150 LB	N/A	END
VENT BRAD	1	3/4" NPS	S.S. PLUG THREADED		SA-182 F-304	.375"	N/A	END

18. Supports: Skirt NO Lugs -- Legs -- Other -- Attached --
(yes or no) (quantity) (quantity) (describe) (where & how)

19. Remarks: AEROFIN SQ# 960322- 001
 MARKS: 2HVS*ACU207 A

**HEADS MACHINED INTEGRAL TO TUBE SHEET

CERTIFICATION OF DESIGN

Design specification certified by FRANCIS W. GARDNER P.E. State PA Reg. no. 036614-E
 Design report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1999
 Date 7-16-96 Name AEROFIN CORPORATION Signed Berry Hart
(N Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA and employed by *ALLEDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 7-16-96 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 7-16-96 Signed Matthew V. Pollock Commissions VA 710, NB 9055N
*FACTORY MUTUAL ENGRG ASSOC (Authorized Inspector) (Nat'l. Bd. incl. endorsements) and state or prov. and no. 1

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

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

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

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date _____ Signed _____ Commissions _____
(Authorized Inspector) (Nat'l. Bd. incl. endorsements) and state or prov. and no. 1

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

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

1. Manufactured and certified by AEROFIN CORPORATION, 4621 MURRAY PLACE, LYNCHBURG, VA 24502
(name and address of N Certificate holder)
2. Manufactured for DUQUESNE LIGHT COMPANY, BEAVER VALLEY STATION, SHIPPINGPORT, PA 15120
(name and address of Purchaser)
3. Location of installation DUQUESNE LIGHT COMPANY, BEAVER VALLEY STATION, SHIPPINGPORT, PA 15120
(name and address)
4. Type: HORIZONTAL HEAT EXCHANGER 960614 --- N-R-1036 773 1998
(horiz. or vert.) (tank, jacketed, heat ex.) (Cert. holder's serial no.) (CRN) (drawing no.) (Mat. Sp. no.) (year built)
5. ASME Code, Section III, Division 1: 1974 1974 WINTER 3 ---
(edition) (addenda date) (class) (Code Case no.)

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

6. Shell: SA-240, 304 75,000 1" .705" 0' - 8.5" 3' - 2.5"
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length overall (ft. & in.))
7. Seams: NONE --- --- --- --- --- ---
(long.) (HT) (RT) (eff. %) (girth) (HT) (RT) (no. of courses)
8. Heads: SA-240, 304 75,000 SA-240, 304 75,000
(a) (mat'l. spec. no.) (tensile strength) (b) (mat'l. spec. no.) (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure convex or concave
(a)	ENDS	.8125"	FLAT	--	--	--	--	2" X 7"	--
(b)	SIDES	.8125"	FLAT	--	--	--	--	2" X 35"	--

If removable, bolts used (72) 5/8"-11 X 2 1/2", SA-193, GR. B8 Other fastening ---
(mat'l. spec. no., size, quantity) (describe or attach sketch)

9. Jacket closure: _____
(Describe as gage & weld, bar, etc. if bar, give dimensions, describe or sketch)
10. Design pressure² 150 at max. temp. 120 Min. pressure-test temp. 70 Pneu., hydro., or comb. test pressure 225
(psi) (°F) (°F) (psi)

Items 11 and 12 to be completed for tube sections.

11. Tubesheets: SA-240, 304 7" 1" BOLTED
(stationary, mat'l. spec. no.) (dia. (in.) (subject to press.)) (thickness (in.)) (attachment (welded, bolted))
12. Tubes: SA-213, TP-304 .625" .049" 147 STRAIGHT
(mat'l. spec. no.) (OD (in.)) (thickness (inches or gage)) (no.) (type (straight or U))

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

13. Shell: _____
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length overall (ft. & in.))
14. Seams: _____
(long. welded, dbl., single) (HT) (yes or no) (RT) (eff. %) (girth) (HT) (RT) (no. of courses)
15. Heads: _____
(a) (mat'l. spec. no.) (tensile strength) (b) (mat'l. spec. no.) (tensile strength) (c) (mat'l. spec. no.) (tensile strength)

	Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure convex or concave
(a)	Top, bottom, ends								
(b)	Channel								
(c)	Floating								

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

16. Design pressure² _____ at _____ Min. pressure-test temp. _____ Pneu., hydro., or comb. test pressure _____
(psi) (°F) (°F) (psi)

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

Certificate Holder's Serial No. 960614

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	3" NPS TO 2" NPS	REDUCING	WELDED	SA-182 F-304	150 LB	N/A	END
OUTLET	1	3" NPS TO 2" NPS	REDUCING	WELDED	SA-182 F-304	150 LB	N/A	END
VENT ORDN.	1	3/4" NPS	S.S. PLUG THREADED		SA-182 F-304	.375"	N/A	END

18. Supports: Skirt NO Lugs -- Legs -- Other -- Attached -- where & how:

19. Remarks: AEROFIN SO# 960322-002
MARKS: 2HVR*ACU207 B

**HEADS MACHINED INTEGRAL TO TUBE SHEET

CERTIFICATION OF DESIGN

Design specification certified by FRANCIS W. GARDNER P.E. State PA Reg. no. 036614-E
 Design report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1999
 Date 7-16-96 Name AEROFIN CORPORATION Signed Barry DeHart
(N Certificate holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA and employed by *ALLENDALE MUTUAL INSURANCE of NORWOOD, MA have inspected the component described in this Data Report on 7-16-96 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

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

Date 7-16-96 Signed [Signature] Commissions VA 710 NB9055N
*FACTORY MUTUAL ENGRG ASSOC. (Authorized inspector) (Nat'l. Bd. incl. endorsements and state or prov. and no.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

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

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

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____ of _____ have compared the statements in this Data Report with the described component and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me on _____ and that to the best of my knowledge and belief the Certificate Holder has constructed and assembled this component in accordance with the ASME Code, Section III, Division 1.

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

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

Form No. 920

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

1. Owner Duquesne Light Company Date 01-10-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#056081
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Di Co - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Component Cooling-Primary (Class 3)

5. (a) Applicable Construction Code Section III, 19 71 Edition, S'73 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Valve	Dresser	H503AAE	N/A	2CCP-290	1978	Repair	Yes
Cap	Dresser	ABH57	N/A	Ht.#A18240	1989	Replacement	Yes

7. Description of Work Replaced valve cap and seal welded

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

FORM NIS-2 (Back)

9. Remarks N-2 Report attached. Carbon steel valve cap replaced with stainless per TER 10642.

Previous NIS-2 Reports: Nos. 547 and 803.

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 per NPDAP 8.5 'ASME Section XI Repair/Replacement Program'

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

Signed [Signature] Senior-Eng Date January 10 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/11/96 to 1/14/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] NB 7509 (N, I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 14 19 97

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III, Div. 1 Not To Exceed One Day's Production

Dresser Industries, Inc., Dresser Valve & Controls Div.,

- 1. Manufactured and certified by Intersection Hwy. 167 & 3225 North, Alexandria, Louisiana (name and address of certificate holder)
2. Manufactured for Georgia Power Co., P. O. Box 4545, Atlanta, GA 30302 (name and address of purchaser)
3. Location of installation Georgia Power Co., Nuclear Oper. Warehouse, Plant Vogtle, Augusta, GA 30903 (name and address)
4. Type OS407, R. 11 SA479 Type 316 75KSI N/A 1989 (drawing no.) (mat'l spec no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1974 Summer 1975 1 N/A (edition) (addenda) (class) (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A (No.)
7. Remarks:
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. in Numerical Order. Rows 1-25 with handwritten entries like ABH54, ABH55, etc.

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. in Numerical Order. Rows 26-50.

10. Design pressure N/A psi Temp. N/A °F Hydro test pressure N/A at temp. °F

*Supplemental information in form of lists, sketches or drawings may be used provided, (1) size is 8-1/2 x 11, (2) information in items 2 & 3 on this data report is included on each sheet, (3) sheet is numbered and number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

CERTIFICATE OF DESIGN

Design specifications certified by N/A P.E. N/A Reg. no. N/A
 (when applicable)

Design report* certified by N/A P.E. N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires May 20, 1992

Date 10/24/89 Name See Note 1 above Signed [Signature]
 (NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF SHOP COMPLIANCE

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Vessel Inspector and the state or province of Louisiana and employed by The Hartford Steam Boiler Inspection & Insurance Co., of Hartford, CT, have inspected these items described in this data report on 10/24/89, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/24/89 Signed [Signature] Commission LAB64
 (Authorized Inspector) (Nat'l. Bd. (Incl. endorsements) state or prov. and no.)

Form No. 921

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

1. Owner Duquesne Light Company Date 12-03-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#056002
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Chemical and Volume Control (Class 1)

5. (a) Applicable Construction Code Section III, 1971 Edition, W72 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Valve	Kerotest	R21-1	37060	2CHS-182	1984	Repair	Yes
Disc	Kerotest	ATH14-3	N/A	N/A	1993	Replacement	Yes

7. Description of Work Replaced valve disc

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

FORM NIS-2 (Back)

9. Remarks NPV-1 and N-2 Data Reports 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 Section XI. Repair Or Replacement

Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng. Date December 03 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/12/96 to 12/4/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7504 (NISBIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 4 19 96

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

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

1. Manufactured and certified by Kerotest Mfg. Corp., 2525 Liberty Ave., Pgh, Pa 15222 (C191980)
(Name and address of ICFP Certificate holder)

2. Manufactured for Duquesne Light Company, 301 Grant Street, Pittsburgh, PA 15279
(Name and address of purchaser)

3. Location of installation Beaver Valley Power Station, Beaver Valley Storeroom, Shippingport, PA 15120
(Name and address)

4. Type 9911-55-(1) SA479, 316 75,000 N/A 1993
(Drawing no.) (Mat'l. spec. no.) (Design strength) (CRN) (Year built)

5. ASME Code, Section III, 1971 Winter 1972 1 N/A
(Edition) (Addenda 2200) (Class) (Code Case no. 1)

6. Fabricated in accordance with Const. Spec. (Div. 2 only): N/A * Revision N/A Date N/A
(No. 1)

7. Remarks: P.O. #D117786, Item #1

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

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) ATH14-2	N/A	(26)	
(2) ATH14-3	N/A	(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2580 psi. Temp. 650 °F. Hydro. test pressure N/A at temp. °F
(When applicable)

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

This form (800040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300, (12/68)

FORM N-2 (back)

Mfr. Serial No. SEE NO.

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. 1903 Expires 6-25-95

Date 1/28/93 Name KEROTEST MANUFACTURING CORP. Signed [Signature]
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler & Co. of Hartford, CT have inspected these items described in this Data Report on 1-28-93 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 1-28-93 Signed [Signature] Commission PA-2277
(Authorized Inspector) (Mfr. Ser. Nos. and dimensions/size of part and no.)

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

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

Sh. 1 of 1

23

1. Manufactured by Kerotest Mfg. Corp., 2525 Liberty Ave., Pittsburgh, PA 15222 (C102894)
(Name and Address of N Certificate Holder)
 2. Manufactured for Westinghouse Electric Corp., Pittsburgh, PA
(Name and Address of Purchaser or Owner)
 3. Location of installation Beaver Valley Power Station, Unit #2, Shippingport, Beaver County, PA
(Name and Address)
 4. Pump or Valve Valve Nominal Inlet Size 2" Outlet Size 2"
(Inch) (Inch)

(a) Model No. Serial No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Part No	(g) Year Built
(1) <u>Check</u>	<u>R21-1</u>	<u>N/A</u>	<u>W-D-9911-(1)</u>	<u>1</u>	<u>37060</u>	<u>1984</u>
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. Radioactive WFL Fluid
(Brief description of service for which equipment was designed)

6. Design Conditions 2465 psia 650 °F or Valve Pressure Class 1500# (1)
(Temperature)
 7. Cold Working Pressure 3600 psia at 100°F
 8. Pressure Retaining Parts

Part No	Material Spec. No	Manufacturer	Remarks
(a) Castings			
(b) Forgings			
<u>Body - R</u>	<u>SA182, F316</u>	<u>McWilliams</u>	
<u>Cover - ARP</u>	<u>SA182, F316</u>	<u>McWilliams</u>	

(1) For manually operated valves only
 * Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form

2

Part No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			
Disc - ABB	SA479, Type 316	Joslyn	

9 Increased test 5400 OR Old Differential test pressure 3600 OR

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that the pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1972
 Addenda Winter 1972 Code Case No. N/A Date November 9, 1974
 Signed Kerquest Manufacturing Corp. by Joslyn
 is Certificate holder
 Our ASME Certificate of Authorization No. 1902 to use the II symbol expires 6/25/86

CERTIFICATION OF DESIGN

Design information on file at Kerquest Manufacturing Corp.
 Stress analysis report (Class 1 only) on file at Kerquest Manufacturing Corp.

Design specifications certified by (1) L. J. Malandra
 PE State PA Reg. No. 1386-E
 Stress analysis certified by (1) R. G. Visalli
 PE State PA Reg. No. 19068-E

(1) Signature not required. List names only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by The Hartford Steam Boiler
 of Hartford, Connecticut have inspected the pump, or valve, described in this Data Report on 11-7-74 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 11-7-74
 (Inspector) Joslyn Commissioners Joslyn
 (Rev) 68, State Form and No. 1

Form No. 922

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

1. Owner Duquesne Light Company
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279
(ADDRESS)

Date 01-09-97

Sheet 1 of 1

2. Plant Beaver Valley Power Station
(NAME)
Shippingport, PA 15077
(ADDRESS)

Unit No. 2

MWR#056292
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date N/A

4. Identification of System Chemical and Volume Control (Class 2)

5. (a) Applicable Construction Code Section III, 1971 Edition, W72 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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	Schneider Power	2-SR-7-12-CHS	N/A	2-CHS-002-004-2	1987	Replace	Yes

7. Description of Work Replaced pipe nipple.

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

FORM NIS-2 (Back)

9. Remarks Pipe nipple between welds nos. 1A and 2A on drwg. CI-110-297 was replaced in
accordance with Code Case N-416-1, root and final LP examinations were performed. Work was
performed in conjunction with MWR#041583, 2CHS-AOV200B rotation.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Walter L. ...* *Senior Eng.* Date January 09 19 97
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 State or Province of Pennsylvania and employed by Arknright Mutual Insurance Co. of
Norwood, Massachusetts have inspected the components described in the
Owner's Report during the period 9/16/96 to 1/10/97 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.

Robert Cimoch Inspector's Signature Commissions NB 7509 (NIBSIS) PH 2162
National Board, State, Province, and Endorsements

Date Jan. 10, 19 97

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

1. Owner Duquesne Light Company Date 10-14-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#040936
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DlCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Component Cooling-Primary (Class 3)

5. (a) Applicable Construction Code Section III, 1971 Edition, S72 Addenda 1672 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Walworth	C-61882	833	2CCP-298	1976	Repair	Yes
Disc	Crane -Aloyco	A5736	N/A	Ht#6-1298	1988	Replacement	Yes

7. Description of Work Replaced valve disc

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

9. Remarks NPV-1 and N-2 Data Reports 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 Section XI. Repair Or Replacement

Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *[Signature]* Senior Eng. Date October 14, 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/18/96 to 10/17/96, 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.

Robert Cimoch Commissions NB7509 (NISBIS) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct 17, 19 96

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III, Division 1 Not To Exceed One Day's Production

- 1. Manufactured and certified by CRANE-ALLOY CO., INC. 12 E. DEVONHOOD, ROMEOVILLE, IL 60441
2. Manufactured for DUQUESNE LIGHT CO., 301 GRANT ST., PITTSBURGH, PA 15279
3. Location of installation BEAVER VALLEY PWR STA #1 SHIPPINGPORT, PA 15077
4. Type C-7875-7-B SA216 - WCB 70,000 W.T. N/A 1988
5. ASME Code, Section III: 1971 SUMMER 1972 3 N/A
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
7. Remarks: ONE (1) PC - DISC P/N 0653789 CUST. ID 981037 FOR: 3" 5275WE 150# GLOBE VALVE ASSY DWG: SK-1950-14G

MFG: AMERICAN FOUNDRY BIXBY, OK HEAT 6-1298 TL: RRBO-2

- 8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' data reports are attached for each item of this report:

Table with 2 columns: Part or Appurtenance Serial Number and National Board No. in Numerical Order. Rows 1-25 on the left, 26-50 on the right. Row 1 contains 'A5736' and 'N/A'.

10 Design pressure N/A psi Temp N/A °F Hydro test pressure N/A at temp °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 X 11, (2) information in items 2 and 3 on this data report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form. The form (E00040) may be obtained from the Order Dept., ASME, 345 E 47th St New York N.Y. 10017 (8/88) 1

FORM N-2 (Best)

Mr. Serial No. A5736

CERTIFICATE OF DESIGN

Design specifications certified by ALAN J. FIORENTE P. E. state PA Reg. no. 032366-E
(when applicable)
 Design report certified by N/A P. E. state N/A Reg. no. N/A
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization no. N-2077 Expires APRIL 7, 1990

Date 01-14-88 Name CRANE-ALOYCO, INC. Signed J. Paulson
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or province of ILLINOIS and employed by LIMBERMENS MUTUAL CASUALTY COMPANY of LONG GROVE, IL have inspected these items described in this data report on 1-14-1988 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 1-14-88 Signed J. C. [Signature] Commission 11L 1005
(Authorized Inspector) (State Bd. Boiler and Pressure Vessel Insp. or prov. and nat.)

SERIAL NO: C-61882

MARK NO:

TYPE:

COMMENTS: -----

Form No 923

2BV-073

FORM NPV-1 MANUFACTURERS DATA R1

An Required by the Provisions of the ASME Code Rules

REVISED
8/11/76

1. Manufactured by Walworth Co., Greensburg Plant
Greensburg, PA 15601 Order No. CD31299-89T
(Name & Address of Manufacturer)

2. Manufactured for Duquesne Light Co., Shippingport, PA Order No. 2BV-73
(Name and Address)

3. Owner Duquesne Light Co., Shippingport, PA

4. Location of Plant Beaver Valley Power Station, Shippingport, Beaver County, PA

5. Pump or Valve Identification 3" 150 lb WE HF Globe Valve

MSM 5-5275-57-030-40A (80013274) Serial No. C-61882
(Brief description of service for which equipment was designed)

(a) Drawing No. SK-1950-14D Prepared by Walworth Company

(b) National Board No. 833

6. Design Conditions _____ psi _____ °F or Pressure Class ANSI 150 (1)
(Pressure) (Temperature)

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

Edition 1971, Addenda Date June 30, 1972, Case No. None 1672

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>Body Ht. No. B7 P1</u>	<u>SA-216, WCB</u>	<u>Walworth Co.</u>	<u>Seal Welded Seats</u>
<u>Bonnet Ht. No. B7 P8</u>	<u>SA-216, WCB</u>	<u>Walworth Co.</u>	<u>CoCr A Backseat</u>
<u>Disc. Ht. No. D435 P5</u>	<u>SA-216, WCB</u>	<u>Walworth Co.</u>	<u>CoCr A Faced</u>
(b) Forgings			
<u>Duquesne Light Company</u>		<u>VALVE</u> <u>C61882</u> <u>SERIAL NO.</u>	
<u>Beaver Valley Unit No. 2</u>			
<u>P. O. No. 2BV-73, J. O. No. 12241</u>			
<u>Carbon Steel Valves - 2 1/2 In. and Larger</u> <u>Category I</u>			
<u>Walworth Company</u>			
<u>Greensburg, PA 15601</u>			

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

FORM NPV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting Stud Ht. No. 245-4695-E Code "95"	SA-193, B	Daniel Bolt Co.	
Nut Ht. No. 162483 Code "83"	SA-194, 2H	Daniel Bolt Co.	
(d) Other Parts			

B. Hydrostatic test. 425 psi.

CERTIFICATION OF DESIGN

Design information on file at Walworth Company, Greensburg, PA 15601

Stress analysis report on file at N/A

Design specifications certified by C. O. Richardson, Jr. (1) Prof. Eng. State PA Reg. No. 016297

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

(1) Signature not required. List name only.

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

Date 6/17 19 76 Signed Walworth Company By G. J. Hill
(Manufacturer)

Certificate of Authorization No. 950 expires Jan. 6, 1978

CERTIFICATE OF SIOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by The Hartford Steam Boiler I & Co. of Hartford, Conn. 06102 have inspected the equipment described in this Data Report on 6-17-1976, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 6-17-1976

[Signature] (Inspector) _____ Commissions National Board # 4207
Pennsylvania # 1636
(National Board, State, Province and No.)

Form No. 924

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

1. Owner Duquesne Light Company
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279
(ADDRESS)

Date 01-02-97
 Sheet 1 of 2

2. Plant Beaver Valley Power Station
(NAME)
Shippingport, PA 15077
(ADDRESS)

Unit No. 2
MWR#044848
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DlCo - Maint. Programs
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System Auxilliary Feedwater (Class 2)

5. (a) Applicable Construction Code Section III, 1974 Edition, S'74 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1993E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Valve	Enertech	10158	N/A	2FWE-100	1993	Repair	Yes

7. Description of Work Replaced 2 flange studs and 4 nuts.

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

FORM NIS-2 (Back)

9. Remarks NPV-1 Data Report attached. Previous NIS-2 Data Report Nos: 333 and 668.

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 per NPDAP 8.5 'ASME Section XI Repair/Replacement Program'

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

Signed [Signature] Senior Eng. Date January 02, 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/18/96 to 1/2/97 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.

Robert Cimoch Inspector's Signature Commissions NB 7509 (NISBIS) PA2162
National Board, State, Province, and Endorsements

Date Jan 2, 19 97

EM - 106292

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

10157 thru
Certificate Holder's Serial No. 10165

- 8. Design conditions or 1085 psi @ 450° F °F or valve pressure class 600 ANSI
(pressure) (temperature)
- 9. Cold working pressure 1440 psi at 100° F
- 10. Hydrostatic test 2175 psi. Disk differential test pressure 1440 psi
- 11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by Francis W. Gardner P. E. State PA Reg. no. 036614-F
 Design Report certified by N/R P. E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.
 N Certificate of Authorization No. N-2826 Expires 10-26-1993
 Date 3 Aug 93 Name ENERTECH Signed J. I. Rosen
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of State of California and employed by DOSH
 of State of California have inspected the pump, or valve, described in this Data Report on 8-30-93 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 8/30/93 Signed C. Harris Commissions CA-1234
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 925

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

1. Owner Duquesne Light Company Date 01-09-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#056558
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed by DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Component Cooling, Primary (Class 3)

5. (a) Applicable Construction Code Section III, 1971 Edition, S'73 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Valve	Dresser	H505AAE	N/A	2CCP-289	1978	Repair	Yes
Cap	Dresser	ABH62	N/A	Ht#A18240	1989	Replacement	Yes

7. Description of Work Replaced valve cap and seal welded.

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

FORM NIS-2 (Back)

9. Remarks N-2 Data Report attached. Carbon steel valve cap replaced with stainless per TER 10642.
Previous NIS-2 form no. 524.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng. Date January 09, 19 97
Owner or Owner's Designee, Title

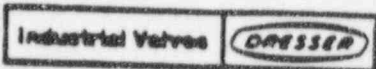
CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Artwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/23/96 to 1/14/97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7504 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 14, 19 97



FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
 NUCLEAR PARTS AND APPURTENANCES*
 As Required by the Provisions of the ASME Code, Section III, Div. 1
 Not To Exceed One Day's Production

- Dresser Industries, Inc., Dresser Valve & Controls Div.,
 1. Manufactured and certified by Intersection Hwy. 167 & 3225 North, Alexandria, Louisiana
 (name and address of certificate holder)
2. Manufactured for Georgia Power Co., P. O. Box 4545, Atlanta, GA 30302
 (name and address of purchaser)
3. Location of installation Georgia Power Co., Nuclear Oper. Warehouse, Plant Vogtle, Augusta, GA 30903
 (name and address)
4. Type 05407, R. 11 SA479 Type 316 75K51 N/A 1989
 (drawing no.) (mat'l spec no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1978 Summer 1975 1 N/A
 (edition) (addenda) (class) (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
 (No.)
7. Remarks: _____
8. Max. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) ABH54 ^a	
(2) ABH55 ^a	
(3) ABH56 ^a	
(4) ABH57 ^a	
(5) ABH58 ^a	
(6) ABH59 ^a	
(7) ABH60 ^a	
(8) ABH61 ^a	
(9) ABH62 ^a	
(10) ABH63 ^a	
(11) ABH64 ^a	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure N/A psi Temp. N/A °F Hydro test pressure N/A at temp. °F

*Supplemental information in form of lists, sketches or drawings may be used provided, (1) size is 8-1/2 x 11, (2) information in items 2 & 3 on this data report is included on each sheet, (3) sheet is numbered and number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

CERTIFICATE OF DESIGN

Design specifications certified by N/A P.E. N/A Reg. no. N/A
 (when applicable)

Design report* certified by N/A P.E. N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires May 20, 1992

Date 10/24/89 Name See Note 1 above Signed [Signature]
 (NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF SHOP COMPLIANCE

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Vessel Inspector and the state or province of Louisiana and employed by The Hartford Steam Boiler Inspection & Insurance Co., of Hartford, CT, have inspected these items described in this data report on 10/24/89, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/24/89 Signed [Signature] Commission LAB64
 (Authorized Inspector) (Nat'l. Bd. (Incl. endorsements) state or prov. and no)

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

1. Owner Duquesne Light Company Date 01-10-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#056559
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Component Cooling-Primary (Class 3)

5. (a) Applicable Construction Code Section III, 1971 Edition, S73 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Valve	Dresser	H504AAE	N/A	2CCP-291	1978	Repair	Yes
Cap	Dresser	ABH60	N/A	Ht.#A18240	1989	Replacement	Yes

7. Description of Work Replaced valve cap and seal welded

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

FORM NIS-2 (Back)

9. Remarks N-2 Report attached. Carbon steel valve cap replaced with stainless per TER 10642.

Previous NIS-2 Report Nos: 523 and 804. Revision 1 to correct serial number on replacement

cap.

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 per NPDAP 8.5 'ASME Section XI Repair/Replacement Program'

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

Signed *Thomas J. L...* Senior Eng Date January 10 19 97
Owner or Owner's Designee Title

CERTIFICATE OF INSERVICE INSPECTION

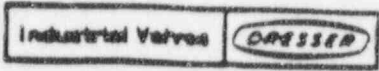
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/23/96 to 11/10/97 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.

Robert Cimoch
Inspector's Signature

Commissions NB7504 (N.I) PA 2162
National Board, State, Province, and Endorsements

Date Jan 10 19 97



Form N: 936. Rev 1

FORM N-2 M OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
 NUCLEAR PARTS AND APPURTENANCES*
 As Required by the Provisions of the ASME Code, Section III, Div. 1
 Not To Exceed One Day's Production

- Dresser Industries, Inc., Dresser Valve & Controls Div.,
 1. Manufactured and certified by Intersection Hwy. 167 & 3225 North, Alexandria, Louisiana
 (name and address of certificate holder)
 2. Manufactured for Georgia Power Co., P. O. Box 4545, Atlanta, GA 30302
 (name and address of purchaser)
 3. Location of installation Georgia Power Co., Nuclear Op. Warehouse, Plant Vogtle, Augusta, GA 30903
 (name and address)
 4. Type 05407, R. 11 SA479 Type 316 75KSI N/A 1989
 (drawing no.) (mat'l spec no.) (tensile strength) (CRN) (year built)
 5. ASME Code, Section III: 1974 Subsec 1975 1 N/A
 (edition) (addenda) (class) (Code Case No.)
 6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
 (No.)
 7. Remarks:
 8. Nos. thickness(in.) N/A Min. design thickness (in.) N/A Dia. ID (ft.&in.) N/A Length overall (ft.&in.) N/A
 9. When applicable, Certificate Holders' data reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) ABH54 ^a	
(2) ABH55 ^a	
(3) ABH56 ^a	
(4) ABH57 ^a	
(5) ABH58 ^a	
(6) ABH59 ^a - 1/2	
(7) ABH60 ^a	
(8) ABH61 ^a - 1/2	
(9) ABH62 ^a - 1/2	
(10) ABH63 ^a 1/2	
(11) ABH64 ^a 1/2	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure N/A psi Temp. N/A °F Hydro test pressure N/A at temp. °F

*Supplemental information in form of lists, sketches or drawings may be used provided, (1) size is 8-1/2 x 11, (2) information in items 2 & 3 on this data report is included on each sheet, (3) sheet is numbered and number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

CERTIFICATE OF DESIGN

Design specifications certified by N/A P.E. N/A Reg. no. N/A
 (when applicable)

Design report* certified by N/A P.E. N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-2634 Expires May 20, 1992

Date 10/24/89 Name See Note 1 above Signed [Signature]
 (NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF SHOP COMPLIANCE

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Vessel Inspector and the state or province of Louisiana and employed by The Hartford Steam Boiler Inspection & Insurance Co., of Hartford, CT, have inspected these items described in this data report on 10/24/89, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/24/89 Signed [Signature] Commissions L-664
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

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

1. Owner Duquesne Light Company Date 10-09-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#055838
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Safety Injection (Class 2)

5. (a) Applicable Construction Code Section III, 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-3'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Support	Schneider Power	N/A	N/A	2SIS-PSR256S	1986	Replacement	Yes

7. Description of Work Replaced part of support

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

9. Remarks No Code Data Report available. N-5 Report No. 2-SR-11-01-SIS lists only integral support.

Support plate was replaced due to corrosion.

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 per NPDP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng. Date October 09, 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/24/96 to 10/9/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (NISBIS) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct 9 19 96

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

1. Owner Dynalene Light Co. Date 10/1/96
Name
P.O. Box 4 Shippingport, Pa 15077 Sheet 1 of 1
Address
2. Plant Beaver Valley Power Station Unit 2
Name
P.O. Box 4 Shippingport, Pa 15077 Design Change Packing 2126
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed at Dynalene Light Co. Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 4 Shippingport, Pa 15077 Expiration Date N/A
Address
4. Identification of System System 36 Emergency Diesel Generator ASME III Class 3
5. (a) Applicable Construction Code ASME III 19 77 Edition, SA76 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 85E SA3A
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Engine Jacket Cooling Water	Robertshaw (Caltex)	EB5C185	213	ZEUS-TCV26A	1985	Replaced	Yes
Engine Jacket Cooling Water	Robertshaw	ET100223	83	ZEUS-TCV26A	1977	Replaced	Yes

7. Description of Work Existing Air Operated TCV has been replaced by a thermostat TCV
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure TEST
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks This Temperature Control Valve was installed
Applicable Manufacturer's Data Reports to be attached
during 2RC (Data Report is 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, Section XI. repair or replacement

Type Code Symbol Stamp per NPQAPB-5 ASME XI Repair/Replacement Program

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

Signed [Signature] Date 10/1, 19 96
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 State or Province of Pennsylvania and employed by Ackworth Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 5/17/96 to 10/18/96, 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.

Robert Amos Commissions NB7509 (NISBIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct 18, 19 96

Form N: 928

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Robertshaw Controls Co. Knoxville, Tennessee
(Name and Address of N Certificate Holder)

2. Manufactured for Colt Industries, Beloit, Wisconsin
(Name and Address of Purchaser or Owner)

3. Location of Installation Hope Creek Nuclear Plant, Salem, N.J.
(Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 5 (inch) Outlet Size 5 (inch)

(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1) <u>I-1285-S25</u>	<u>E85C185</u>		<u>N-84984-E4</u>	<u>3</u>	<u>213</u>	<u>1985</u>
(2)						
(3)						
(4)						
(5) <u>Note: Colt Drawing</u>	<u>11-909-933</u>	<input checked="" type="checkbox"/>	<u>Rev 2</u>	<input checked="" type="checkbox"/>		
(6)						
(7)						
(8)						
(9)						
(10)						

5. Self-operating, three-way Valve, Cooling Water Service Inverted position
(Brief description of service for which equipment was designed)

6. Design Conditions 250° Max °F or Valve Pressure Class 150 (1)
(Pressure) (Temperature)

7. Cold Working Pressure 285 psi at 100°F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>Body E6025-13</u>	<u>SA 216 Gr. WCB</u>	<u>Quaker Alloy</u>	
<u>Bonnet E3694-3</u>	<u>SA 216 Gr. WCB</u>	<u>Quaker Alloy</u>	
<u>Poppet SF3</u>	<u>SB 61</u>	<u>Robertshaw</u>	
APPROVED			
(b) Forgings			
		<u>JUN 25 1985</u> <u>MJA</u> <u>CP T/FM QA</u>	

(1) For manually operated valves only.
* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

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

1. Owner Duquesne Light Co. Name Date 9/16/96
P.O. Box 4 Shippingport, Pa. 15077 Address Sheet 1 of 1
2. Plant Bear Valley Power Station Name Unit 2
P.O. Box 4 Shippingport, Pa. 15077 Address Design Change Package 2126 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Duquesne Light Co. Name Type Code Symbol Stamp N/A
P.O. Box 4 Shippingport, Pa. 15077 Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System System 36 Emergency Diesel Generator ASME III class 3
5. (a) Applicable Construction Code ASME III 1977 Edition, 3197B Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E, S83A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Series No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Engine Jacket Cooling Water	Robertshaw (Centre)	EB36224	204	2E65-TLV26-2	1983	Replacement	yes
Engine Jacket Cooling Water	Robertshaw	ET10223	82	2E65-TLV26-2	1977	Replaced	yes

7. Description of Work Existing Air Operated TCV has been replaced by a thermostatic TCV.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure ISLT
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks This Temperature Control Valve was installed
Applicable Manufacturer's Data Reports to be attached
during ZR6 (Data Report is 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, Section XI. repair or replacement

Type Code Symbol Stamp Per NPDAP 6-5 ASME III Repair/Replacement Program

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

Signed [Signature] Date 9/14, 19 96
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 State or Province of Pennsylvania and employed by Anchorlight Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 5/17/96 to 10/18/96, 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.

Robert Cimoch Commissions NB 7509 (NISBIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct 18, 19 96

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Robertshaw Controls Co., Fulton Sylphon Division, Knoxville, TN
(Name and Address of N Certificate Holder)
2. Manufactured for Colt Industries, Beloit, Wisconsin ✓
(Name and Address of Purchaser or Owner)
3. Location of Installation Hope Creek Nuclear Plants 1 and 2, Salem, NJ ✓
(Name and Address)
4. Pump or Valve Valve ✓ Nominal Inlet Size 5 ✓ Outlet Size 5 ✓
(inch) (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd No.	(g) Year Built
(1)	<u>I-1285-S25</u> ✓	<u>E83G224</u> ✓	<u>-</u>	<u>N-84984-E4 Rev. F</u>	<u>3</u> ✓	<u>204</u> ✓	<u>1983</u>
(2)							
(3)							
(4)							
(5)							
(6)	<u>Note Colt Drawing 11-909-933 Rev. 2</u>						
(7)							
(8)							
(9)							
(10)							

5. Self-operating, three-way valve, cooling water service, inverted position
(Brief description of service for which equipment was designed)

6. Design Conditions (Pressure) 285 psi 250 max. (Temperature) °F or Valve Pressure Class 150 (1)
7. Cold Working Pressure 285 psi at 100°F
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Valve body <u>E6030-1</u> ✓	<u>SA216 Gr. WCB</u> ✓	<u>Quaker Alloy</u> ✓	
Bonnet <u>E3694-1</u> ✓	<u>SA216 Gr. WCB</u> ✓	<u>Quaker Alloy</u> ✓	
Poppet <u>SF5</u> ✓	<u>SB61</u> ✓	<u>Robertshaw</u> ✓	

(b) Forgings

APPROVED
APR 5 1984
LA
COLT/FM QA

(1) For manually operated valves only
* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2 x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form

41840E

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
FR-7 ✓	SA193 Gr. B7 ✓	Texas Bolt Co. ✓	
DN ✓	SA193 Gr. B7 ✓	Texas Bolt Co. ✓	
(d) Other Parts			

9. Hydrostatic test 450 Disk Differential test pressure _____ Disk Hydrostatic Test Omitted Per ND3514.4(b) ✓

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1977 Addenda Summer 1978 Code Case No. _____ Date _____

Signed Robertshaw Controls Co. by J. V. Giesler, Jr. Quality Engineer
(In Certificate Holder) NOV 18 1983

Our ASME Certificate of Authorization No. 2548 to use the N symbol expires 4/2/85
(N) (Date)

CERTIFICATION OF DESIGN

Design information on file at Robertshaw Controls Company, Knoxville, Tennessee
 Stress analysis report (Class F only) on file at _____

Design specifications certified by (1) Richard H. Norman **APPROVED**
 PE State Wisconsin Reg. No. E 15618 **APR 5 1984**

Stress analysis certified by (1) _____
 PE State _____ Reg. No. _____ **COLT/FM QA**

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by H.S.B.I. and I. Co. of Hartford, Connecticut have inspected the pump, or valve, described in this Data Report on 11-18 19 83 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 11-18 1983 Commissions NB 9600 / TN 2525
Thomas E. Sku... / J. V. Giesler, Jr.

Form No. 930

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

1. Owner Duquesne Light Company Date 01-02-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#055774
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Class 3)

5. (a) Applicable Construction Code Section III 19 71 Edition, S72 Addenda, 1567, 1672
 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Valve	Walworth	D66335	1832	2MSS-18	1978	Repair	Yes
Disc	Crane Valve	C4743	N/A	Hi#F0208	1995	Replacement	Yes

7. Description of Work Replaced disc

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

FORM NIS-2 (Back)

9. Remarks N-2 Data Report attached. Previous NIS-2 Data Report Nos: 366, 567, and 786.

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 per NPDP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng. Date January 02, 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/28/96 to 1/2/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (NISBIS) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 2, 19 97

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

Form No. 930

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

Pg. 1 of 1

1. Manufactured and certified by Crane Valves Nuclear Operations, 104 N. Chicago St., Joliet, IL 60431
(name and address of NPT Certificate Holder)
2. Manufactured for Duquesne Light Co., P.O. Box 345, Rt. 168, Shippingport, PA 15077
(name and address of purchaser)
3. Location of installation Beaver Valley Nuclear Power Station, P.O. Box 4, Shippingport, PA 15077
(name and address)
4. Type CA00294, Rev. E SA105 70,000 PSI N/A 1995
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1971 Summer 1972 2 1672
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: CVNO S/O #069000515-002 N, P.O. D139251, 2 Discs for a 3" 5350WE, 600# Swing

Check Valve, Assy. Dwgs. SK-1954-9, Rev. G & SK-1954-10, Rev. E, P/N CA00294, Material

Supplier Coulter Steel & Forge Co., Ht. #F0208 *No Hydro Performed

8. Nom. thickness (in.) 7/16 Min. design thickness (in.) .42 Dia. ID (ft & in.) 3 3/4" Length overall (ft & in.) 2 1/4"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>C4743</u>	<u>N/A</u>
(2) <u>C4744</u>	<u>N/A</u>
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure ANSI 600# psi. Temp --- °F. Hydro. test pressure * at temp. °F
(when applicable)

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

CERTIFICATION OF DESIGN

Design specifications certified by Alan J. Fiorente P.E. State PA Reg. no. 032366-E
(when applicable)
Design report* certified by N/A P.E. State N/A Reg. no. N/A
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-2900 Expires September 24, 1996
Date 05/01/95 Name Crane Valves Nuclear Operations Signed Garrett Petrovich
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by *Protection Mutual of Norwood, MA have inspected these items described in this Data Report on May 01, 1995 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 05/01/95 Signed [Signature] Commissions IL 917
(Authorized Inspector) (Natl. Bd. incl. endorsements; state or prov. and no.)
*Factory Mutual Engineering Assoc.

Form No. 931

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

1. Owner Duquesne Light Company Date 10-07-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#056595
(ADDRESS) REPAIR ORGANIZATION P.O. NO. JOB NO. ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III, 1971 Edition, S72 Addenda, 1672 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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	Walworth	D63821	1193	2SWS-1103	1977	Repair	Yes
Disc	Crane	B0858	N/A	N/A	1990	Replacement	Yes

7. Description of Work Replaced valve disc

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

9. Remarks N-2 Report 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 Section XI Repair Or Replacement

Type Code Symbol Stamp per NPDPAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Thomas J. DeG...* *George E. Fry* Date October 07, 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/26/96 to 10/8/96 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.

Robert Amosch Commissions NB7509 (NISBIS) PA 2162
Inspector's Signature National Board, State, Province and Endorsements

Date Oct 8, 19 96

NUCLEAR PARTS AND APPURTENANCES*
 As Required by the Provisions of the ASME Code, Section III
 Not To Exceed One Day's Production

Form No 931

Pg. 1 of 1

1. Manufactured and certified by CRANE-ALOYCO, INC., 12 EAST WOOD, ROMEOVILLE, IL 60441-1349
(Name and address of M.P.C. Certificate holder) 15279
2. Manufactured for DUNTESNE LIGHT COMPANY, ONE OXFORD CENTRE, 101 GRANT STREET, PITTSBURG, PA
(Name and address of purchaser)
3. Location of installation BEAVER VALLEY-UNIT 1, P.O. BOX 4, SHIPPINGPORT, PA 15077
(Name and address)
4. Type CAG02AB, REV. B SA105 70,000 MIN. N/A 1990
(Drawing no.) (Part name, no.) (Design pressure) (Code) (Year built)
5. ASME Code, Section III: 1971 SUMMER 1972 2 N/A
(Edition) (Supplement) (Class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
CAI S.O.#M01520-006, CUST. P.O.#D091478, C70#01
7. Remarks: FOR: 4"-3350WR, 600# SWING CHECK VALVE, ASS'Y, DWG.#SK-1934-9, REV.G, IT.#3

3PC.) DISC. P/N 0652807

2PC.) HT.#29441

SUPPLIER/MFR.: COULTER STEEL & FORGE COMPANY, (PC.) HT.#214856

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) <u>80857</u>	<u>N/A</u>	(26)	
(2) <u>80858</u>	<u>N/A</u>	(27)	
(3) <u>80859</u>	<u>N/A</u>	(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure N/A at temp. °F

* Substantiated information in the form of test, chemical, or drawings may be used provided (1) also in 6% x 11 (2) information in items 2 and 3 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

43/88

This form (B02040) may be obtained from the Order Dept., ASME, 32 Law Drive, Box 3206, Fairfield, NJ 07007-3206.

CERTIFICATION SIGN

Design specifications certified by ALAN J. FLORENTE P.E. State PA Reg. no. 132164-P

Design report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-2077 Expires APRIL 9, 1993

Date 9/26/90 Name CRANE-ALOYCO, INC. Signed [Signature]
NPT Certificate holder AUTHORIZED REPRESENTATIVE

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by *PROTECTION MUTUAL of NORWOOD, MASS. have inspected these items described in this Data Report on 7-26-90 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 9/26/90 Signed [Signature] Commission Lat 717
Authorized Inspector Lat. No. (incl. endorsements), State or Prov. and No.

*FACTORY MUTUAL SYSTEM

Form No. 932

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

1. Owner Duquesne Light Company Date 11-06-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#055925
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLC Co - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Heating and Ventilation (Class 3)

5. (a) Applicable Construction Code Section III 1974 Edition, W74 Addenda, 1644-4 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Exchanger	American Air Filter	906081-B1	1848	2HVR-CLC206B	1982	Repair	Yes
Heat Exchanger	American Air Filter	906081-B2	1849	2HVR-CLC206B	1982	Repair	Yes

7. Description of Work Replaced inlet and outlet nozzles and flanges on the B1 and B2 Air Coolers

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 170 psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks N-1 Data Report attached. Replaced original nozzles with SA106 Grade B pipe and
slip-on flanges per TER#10633.

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 per NPDAP 8 5 "ASME Section XI Repair/Replacement Program"

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

Signed *Robert Cimoch* Service Eng. Date November 06 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of
Norwood, Massachusetts have inspected the components described in the
Owner's Report during the period 9/27/96 to 11/8/96, 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.

Robert Cimoch Commissions NB 7509 (NISBIS) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Nov 19 96

Form No 432

FORM N-1 IN CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
A. Required by the Provisions of the ASME Code Rules, Section III, Div. 1

1. Manufactured by American Air Filter Co., Inc. - A Division of Allis Chalmers, Corp.
2000 Tamm Street (Name and address of N Certificate Holder) Brownsville, TN. 38012
2. Manufactured for Beaver Valley Power Station Unit 2 Shippingport, PA.
(Name and address of Purchaser)
3. Type Horiz. Kind Heat Ex. Vessel No. (906081-81) CRN No. _____ Nat'l Std. No. 1848 Yr. Built 1982
(Horiz. or vert.) (Tens. jacketed, heat ex.) (Mfrs. Serial No.)
3a. Applicable ASME Code: Section III, Edition 1974; Addenda date Winter 1974 Code No. 1646-6 Class 3

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

HEADER Copper (Annealed) C12200
4. Shell Material SA-42-UNS T.S. C12200 30 000 Min. Thk. 219 in. Corr. Allow. _____ in. Diam. 3 1/2 in. Length 2 ft 7 in. 7/16
(Kind & Spec. No.) (Min. of range specified)
5. Seams: Long NA H.T.¹ NA R.T. NA Efficiency NA %
Girth NA H.T.¹ NA R.T. NA No. of Courses NA
6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location (top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diam. Side to Pressure (convex or concave)
(a) Top NA 375 NA NA NA NA NA 3.125 NA
(b) Bottom NA 375 NA NA NA NA NA 3.125 NA
If removable, bolts used NA (Material, Spec. No., T.S., Size, Number) Other fastening NA (Describe or attach sketch)

Items 9 and 10 to be completed for tube sections.

7. Jacket Closure NA
(Describe as gaps & welds, etc. If bar, give dimensions, describe, or sketch)
8. (a) Design Pressure¹ 200 psi at 300 °F (b) Min. Pressure-Test Temp. _____ °F
(c) Pneumatic, Hydrostatic, or Combination Test Pressure 300 psi
9. Tube Sheets: Stationary: Material NA Diam. NA in. Thk. NA in. Attachment NA
(Kind & Spec. No.) (Subject to spec.) (Welded, bolted)
Floating: Material NA Diam. NA in. Thk. NA in. Attachment NA
Cu-Ni (Annealed)
10. Tubes: Material SA-111-UNS O.D. C70600 625 in. Thk. 0.049 in. or gap Number 176 Type Straight
(Kind & Spec. No.) (Straight or U)

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

11. Shell: Material _____ T.S. _____ Non. Thk. _____ in. Corr. Allow. _____ in. Diam. _____ in. Length _____ in.
(Kind & Spec. No.) (Min. of range specified)
12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
(In sides, shell, single) (Yes or no)
Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____
13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diam. Side to Pressure (convex or concave)
(a) Top, bottom, ends _____
(b) Channel _____
(c) Floating _____
If removable, bolts used: (a) _____ (b) _____ (c) _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)
14. (a) Design Pressure¹ _____ psi at _____ °F (b) Min. Pressure-Test Temp. _____ °F
(c) Pneumatic, Hydrostatic, or Combination Test Pressure _____ psi

¹If postweld heat-treated. ²List other internal or external pressures with coincident temperature when applicable.
*Supplemental sheets in form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 in. x 11 in.; (2) information in items 1 through 3 of this Data Report is included on each sheet; and (3) each sheet is numbered and the number of sheets is recorded in item 19. Remarks
(12/31/78) This form (E00038) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM N-1 (Back)

Items below to be completed for all vessels where applicable.

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

16. Nozzles:

Purpose (Inlet, outlet, drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Method	How Attached
Inlet	1	3.500	Nozzle	SA-234 WPB	.216	NA	Braced
Outlet	1	3.500	Nozzle	SA-234 WPB	.216	NA	Braced

17. Inspection Manholes: No. NA Size NA Location NA
 Openings: Manholes: No. NA Size NA Location NA
 Threaded: No. NA Size NA Location NA

18. Supports: Skirt NO Lugs NONE Legs NONE Other NA Attached NA
 (Yes or no) (Number) (Number) (Describe) (Where & how)

19. Remarks: Nozzles fitted with 3" 150 # lap joint flange. WTT SA-105 Class 60 7.500 O.D. x 1 3/16" thickness T.S. 70,000 PSI Tubes SB-111-UNS-C70600 T.S. 40,000 PSI Vent and drain bushing Copper silicon SB-98-UNS-S41000. 1 11/16" & 3" return bands SB-111 UNS-C70600 T.S. 40,000 PSI 5/8" O.D. x .049 nom. wall thickness Vent & drain plugs Stainless Steel SA-479 Type UNS-S41000

(Brief description of service for which vessel was designed.)

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

Date 9-13, 19 82 Signed American Air Filter By J. H. Hagan
 (N Certificate Holder)

Certificate of Authorization Expires May 6, 1984 Certificate of Authorization No. N-1053

CERTIFICATION OF DESIGN

Design information on file at Brownsville, TN.
 Stress analysis report on file at Brownsville, TN.
 Design specifications certified by William J. Axt, Jr. Prof. Eng. State PA Reg. No. 15699-E
 Stress analysis report certified by Matt R. Hagan Prof. Eng. State KY Reg. No. 7823

CERTIFICATE OF SHOP INSPECTION

2000 Tamm Street

Vessel made by American Air Filter Co., Inc. at Brownsville, TN

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by Protection Mutual Ins. Co. of Norwood, Mass.

have inspected the pressure vessel described in this Manufacturer's Data Report on 9-13, 19 82, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pressure vessel in accordance with the ASME Code, Section III.

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

Date 9-13, 19 82 J. H. Hagan Inspector's Signature
 Commissions Factory Mutual System NB-826
 National Board, State, Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____ of _____

have compared the statements in this Data Report with the described pressure vessel and state that items referred to as data items inspected by me and that to the best of my knowledge and belief the N Certificate Holder has constructed and assembled this pressure vessel in accordance with the ASME Code, Section III. The described vessel was inspected and subjected to a hydrostatic test and/or pneumatic test of _____ psi.

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

Date _____, 19 _____
 Inspector's Signature _____ Commissions _____
 National Board, State, Province and No.

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

- 1. Manufactured by American Air Filter Co., Inc. - A Division of Allis Chalmers, Corp.
2000 Tamm Street (Name and address of Manufacturer) Brownsville, TN, 38012
- 2. Manufactured for Beaver Valley Power Station Unit 2 Shippingport PA.
(Name and address of Purchaser)
- 3. Type HORIZ. Kind Heat Ex. Vessel No. 906081-82 CRN No. _____ Nat'l Bd. No. 1869 Yr. Built 1982
(Horiz. or vert.) (Tens. jacketed, heat ex.) (Mfr. Serial No.)
- 3a. Applicable ASME Code: Section III, Edition 1974; Addenda date WINTER 1974 Code No. 1646-ub Class 3

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

- HEADER Copper (Annealed) C12200
- 4. SHEET: Material SB-42-UNS T.S. 30,000 Nom. Thk. .219 in. Corr. Allow. _____ in. Diam. 3 ft. 172 in. Length 2 ft. 7 in.
(Kind & Spec. No.) (Min. or range specified)
 - 5. Seams: Long NA H.T.¹ NA R.T. NA Efficiency NA %
Girth NA H.T.¹ NA R.T. NA No. of Courses NA
 - 6. Heads: (a) Material SB-12-UNS T.S. 30,000 Copper (Annealed) C12200 T.S. 30,000
Location (top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diam. Side to Pressure (convex or concave)
(a) TOP .375 NA NA NA NA NA 3.125 NA
(b) BOTTOM .375 NA NA NA NA NA 3.125 NA
 - If removable, bolts used NA (Material, Spec. No., T.S., Size, Number) Other fastening NA (Describe or attach sketch)
 - 7. Jacket Closure NA (Describe as egg & wire, bar, etc. If bar, give dimensions, describe, or sketch)
 - 8. (a) Design Pressure¹ 200 psi at 300 °F (b) Min. Pressure-Test Temp. _____ °F
(c) Pneumatic, Hydrostatic, or Combination Test Pressure 300 psi

Items 9 and 10 to be completed for tube sections.

- 9. Tube Sheets: Stationary: Material NA Diam. NA in. Thk. NA in. Attachment NA
(Kind & Spec. No.) (Subject to prob.) (Welded, bolted)
- Flanging: Material NA Diam. NA in. Thk. NA in. Attachment NA
- 10. Tubes: Material Cu-Ni (Annealed) SB-111-UNS C70600 O.D. .625 in. Thk. .049 in. or gage Number 171 Type Straight
(Kind & Spec. No.) (Straight or U)

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

- 11. Shell: Material _____ T.S. _____ Nom. Thk. _____ in. Corr. Allow. _____ in. Diam. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind & Spec. No.) (Min. or range specified)
- 12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
(Welded, bolt., single) (Yes or no)
Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____
- 13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diam. Side to Pressure (convex or concave)
(a) Top, bottom, ends _____
(b) Channel _____
(c) Flanging _____
- If removable, bolts used: (a) _____ (b) _____ (c) _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)
- 14. (a) Design Pressure¹ _____ psi at _____ °F (b) Min. Pressure-Test Temp. _____ °F
(c) Pneumatic, Hydrostatic, or Combination Test Pressure _____ psi.

¹ If postweld heat-treated. ² List other internal or external pressures with coincident temperature when applicable.
*Supplemental sheets in form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 in. x 11 in.; (2) information in items 1 through 3 of this Data Report is included on each sheet; and (3) each sheet is numbered and the number of sheets is recorded in item 19, Remarks.
(12/31/79) This form (E00038) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM N-1 (Back)

Items below to be completed for all vessels where applicable.

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

16. Nozzles:

Purpose (Inlet, outlet, drain)	Number	diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet	1	3.500	Nozzle	SA-234 WPB	.216	NA	Brazed
Outlet	1	3.500	Nozzle	SA-234 WPB	.216	NA	Brazed

17. Inspection Manholes: No. NA Size NA Location NA
 Openings, Manholes: No. NA Size NA Location NA
 Threaded: No. NA Size NA Location NA

18. Supports: Skirt NO Lugs NONE Legs NONE Other NA Attached NA
 (Yes or No) (Number) (Number) (Describe) (Where & how)

19. Remarks: Nozzles fitted with 3" 150 # lap joint flange. MTL. SA-105 Class 60 7.500 O.D. x 1 3/16" thickness T.S. 70,000 PSI Tubes SB-111-UNS-C70600 T.S. 40,000 PSI Vent & drain bushing Copper silicon SB-98-UNS-C65100 T.S. 40,000 PSI Vent & Drain plugs Stainless Steel SA-479 Type UNS-S41000 1 11/16" and 3" return bands 5/2" O.D. x .049 nom. wall thickness SB-111-UNS-C70600 T.S. 40,000 PSI
 (Brief description of service for which vessel was designed.)

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

Date 9-13, 19 82 Signed American Air Filter By [Signature]
 (N Certificate Holder)

Certificate of Authorization Expires May 6, 1984 Certificate of Authorization No. N-1053

CERTIFICATION OF DESIGN

Design information on file at Brownsville, TN.
 Stress analysis report on file at Brownsville, TN.
 Design specifications certified by William J. Axt, Jr. Prof. Eng. State PA Reg. No. 15699-E
 Stress analysis report certified by Matt R. Hargan Prof. Eng. State KY Reg. No. 7823

CERTIFICATE OF SHOP INSPECTION 2000 Tamm Street
 Brownsville, TN.

Vessel made by American Air Filter Co.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Protection Mutual Ins. Co., Norwood, Mass.
 have inspected the pressure vessel described in this Manufacturer's Data Report on 9-13, 19 82 and rate that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pressure vessel in accordance with the ASME Code, Section III.

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

Date 9-13, 19 82 [Signature] Inspector's Signature
 Factory Mutual System
 Commission NB-4824
 National Board, State, Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____ of _____
 have compared the statements in this Data Report with the described pressure vessel and state that parts referred to as data items inspected by me and that to the best of my knowledge and belief the N Certificate Holder has constructed and assembled this pressure vessel in accordance with the ASME Code, Section III. The described vessel was inspected and subjected to a hydrostatic test and/or pneumatic test of _____ psi.

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

Date _____, 19 _____
 _____ Inspector's Signature
 _____ Commission
 National Board, State, Province and No.

Form No. 933

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

1. Owner Duquesne Light Company Date 11-06-96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#056255
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Heating and Ventilation (Class 3)

5. (a) Applicable Construction Code Section III, 1974 Edition, W74 Addenda, 1644-4 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Exchanger	American Air Filter	906081-A1	1846	2HVR-CLC206A	1982	Repair	Yes
Heat Exchanger	American Air Filter	906081-A2	1847	2HVR-CLC206A	1982	Repair	Yes

7. Description of Work Replaced inlet nozzles and flanges on the A1 and A2 Air Coolers

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 170 psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks N-1 Data Report attached. Replaced original nozzles with SA106 Grade B pipe and slip-on flanges per TER#10633.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng. Date November 06 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/27/96 to 11/8/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB 7509 (NISBIS) PA 2162
National Board, State, Province, and Endorsements

Date Nov 19 96

FORM N-1 IN CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS
As Required by the Provisions of the ASME Code Rules, Section III, Div. 1

1. Manufactured by American Air Filter Co., Inc. - A Division of Allis Chalmers, Corp.
2000 Tenth Street (Name and address of Certificate Holder) Brownsville, IN. 48012
2. Manufactured for Beaver Valley Power Station Unit 2 Shippingport, PA.
(Name and address of Purchaser)
3. Type Horiz. Kind Heat Ex. Vessel No. 906081-A1 CRN No. _____ Nat'l Bd. No. 1846 Yr. Built 1982
(Horiz. or vert.) (Tank, jacketed, heat ex.) (Mfrs. Serial No.)
3a. Applicable ASME Code: Section III, Edition 1974; Addenda dated Winter 1974, Code No. 1644-6 Class 3

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

HEADER Copper (Annealed) C12200
4. Shell: Material SB-12-UNS- T.S. 30,000 Nom. Thk. .219 in. Corr. Allow. _____ in. Diam. 176 in. Length 217 in. 7/16
(Kind & Spec. No.) (Min. of range specified)
5. Seams: Long NA H.T.¹ NA R.T. NA Efficiency NA %
Girth NA H.T.¹ NA R.T. NA No. of Courses NA
6. Heads: (a) Material Copper (Annealed) C12200 T.S. 30,000 (b) Material Copper (Annealed) C12200 T.S. 30,000
Location (top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diam. Side to Pressure (convex or concave)
(a) Top .375 NA NA NA NA NA 3.125 NA
(b) Bottom .375 NA NA NA NA NA 3.125 NA
If removable, bolts used: NA (Material, Spec. No., T.S., Size, Number) Other fastening: NA (Describe or attach sketch)
7. Jacket: Closure NA (Describe or open & weld, bar, etc. If bar, give dimensions, describe, or sketch)
8. (a) Design Pressure 200 psi at 300 °F (b) Min. Pressure-Test Temp. _____ °F
(c) Pneumatic, Hydrostatic, or Corrosion Test Pressure 300 psi

Items 9 and 10 to be completed for tube sections.

9. Tube Sheets: Stationary: Material NA Diam. NA in. Thk. NA in. Attachment NA
(Kind & Spec. No.) (Subject to order) (Welded, bolted)
Floating: Material NA Diam. NA in. Thk. NA in. Attachment NA
(Kind & Spec. No.)
10. Tubes: Material CU-NI (Annealed) C70600 O.D. .625 in. Thk. .049 in. or gage Number 176 Type Straight
(Kind & Spec. No.) (Straight or U)

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

11. Shell: Material _____ T.S. _____ Nom. Thk. _____ in. Corr. Allow. _____ in. Diam. _____ ft. in. Length _____ ft. in.
(Kind & Spec. No.) (Min. of range specified)
12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
(Weld, etc., single) (Yes or no)
Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____
13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diam. Side to Pressure (convex or concave)
(a) Top, bottom, ends _____
(b) Channel _____
(c) Floating _____
If removable, bolts used: (a) _____ (b) _____ (c) _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or attach sketch)
14. (a) Design Pressure _____ psi at _____ °F (b) Min. Pressure-Test Temp. _____ °F
(c) Pneumatic, Hydrostatic, or Corrosion Test Pressure _____ psi

¹ If post-weld heat-treated. ² List other internal or external pressures with coincident temperature when applicable.
*Supplemental sheets in form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 in. x 11 in.; (2) information in items 1 through 3 of this Data Report is included on each sheet; and (3) each sheet is numbered and the number of sheets is recorded in item 19. Remarks
(12/31/78) This form (E00038) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM N-1 (Back)

Items below to be completed for all vessels where applicable.

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

16. Nozzles:

Purpose (Inlet, outlet, drain)	Number	Diem. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet	1	3.500	Nozzle	SA-234 WPB	.216	NA	Brazed
Outlet	1	3.500	Nozzle	SA-234 WPB	.216	NA	Brazed

17. Inspection Manholes: No. NA Size NA Location NA
 Openings: Handholes: No. NA Size NA Location NA
 Threaded: No. NA Size NA Location NA

18. Supports: Skirt NO Lugs NONE Legs NONE Other NA Attached NA
 (Yes or no) (Number) (Number) (Describe) (Where & how)

19. Remarks: Nozzles fitted with 3" 150# lap joint flange. MTL. SA-105 Class 60 7.500 O.D. x 3/16" thickness T.S. 70,000 PSI Tubes SB-111-UNS-C70600 T.S. 40,000 PSI Vent & Drain bushing Copper silicon SB-98-UNS-C65100 T.S. 40,000 PSI Vent & Drain plugs Stainless Steel SA-479 Type UNS-S41000. 1 1 1/16" & 3" return bends 5/8" O.D. x .049 nom. wall thickness SB-111-UNS-C70600 T.S. 40,000 PSI.
 (Brief description of service for which vessel was designed.)

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

Date 9-16, 19 82 Signed American Air Filter By J. S. Hamilton
 (N Certificate Holder)

Certificate of Authorization Expires MAY 6, 1984 Certificate of Authorization No. N-1053

CERTIFICATION OF DESIGN

Design information on file at Brownsville, TN.
 Stress analysis report on file at Brownsville, TN.
 Design specifications certified by William J. Axel, Jr. Prof. Eng. Stat. PA Reg. No. 15699-E
 Stress analysis report certified by Mark R. Hagan Prof. Eng. Stat. KY Reg. No. 7823

CERTIFICATE OF SHOP INSPECTION

Vessel made by American Air Filter Co., Inc. at 2000 Tamm Street Brownsville, TN.
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Tennessee and employed by Protection Mutual Ins. Co. of Norwood, Mass.
 have inspected the pressure vessel described in this Manufacturer's Data Report on 9-16, 19 82, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pressure vessel in accordance with the ASME Code, Section II.
 By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this N Certificate Holder's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 9-16, 19 82 J. S. Hamilton Inspector's Signature
 Commissions Factory Mutual System NA-4826 National Board, State, Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____ of _____
 have compared the statements in this Data Report with the described pressure vessel and state that parts referred to as data items inspected by me and that to the best of my knowledge and belief the N Certificate Holder has constructed and assembled this pressure vessel in accordance with the ASME Code, Section III. The described vessel was inspected and subjected to a hydrostatic test and/or pneumatic test of _____ psi.
 By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date _____, 19 _____
 Inspector's Signature _____ Commissions _____ National Board, State, Province and No.

FORM N-1 IN CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
As Required by the Provisions of the ASME Code Rules, Section III, Div. 1

1. Manufactured by American Air Filter Co., Inc. - A Division of Allis Chalmers, Corp.
2000 Tenth Street (Name and address of Certificate Holder) Brownsville, TN. 38012
2. Manufactured for Beaver Valley Power Station Unit 2 Shippingport, PA.
(Name and address of Purchaser)
3. Type Horiz. Kind Heat Ex. Vessel No. 906081-A2 CRN No. _____ Nat'l Bd. No. 1867 Yr. Built 1982
(Horiz. or vert.) (Tans., jacketed, heat ex.) (Mfrs. Serial No.)
14. Applicable ASME Code: Section III, Edition 1974 Addenda date Winter 1974 Case No. 1644-2 Class 3

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

4. Material Copper (Annealed) SB-12-UNS-C12200 T.S. 30,000 Nom. Thk. 219 in. Corr. Allow. _____ in. Diam. 3 in. Length 2 ft 7 in. 7/16
(Kind & Spec. No.) (Min. of range specified)
5. Seams: Long NA H.T.¹ NA R.T. NA Efficiency NA %
Girth NA H.T.¹ NA R.T. NA No. of Courses NA

6. Heads: (a) Material Copper (Annealed) SB-12-UNS-C12200 T.S. 30,000 (b) Material Copper (Annealed) SB-12-UNS-C12200 T.S. 30,000

Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diam.	Side to Pressure (convex or concave)
(a) Top	<u>.375</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>3.125</u>	<u>NA</u>
(b) Bottom	<u>.375</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>3.125</u>	<u>NA</u>

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

7. Jacket Closure NA (Describe as open & weld, bar, etc. If bar, give dimensions, describe, or sketch)

8. (a) Design Pressure¹ 200 psi at 300 °F (b) Min. Pressure-Test Temp. _____ °F
(c) Pneumatic, Hydrostatic, or Combination Test Pressure 300 psi

Items 9 and 10 to be completed for tube sections.

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

10. Tubes: Material Cu-Ni (Annealed) SB-111-UNS-C70600 O.D. .625 in. Thk. .049 in. or gage Number 176 Type Straight
(Kind & Spec. No.) (Straight or U)

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

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

12. Seams: Long _____ H.T.¹ _____ R.T. _____ Efficiency _____ %
(Welded, girth, single) (Yes or no)
Girth _____ H.T.¹ _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diam.	Side to Pressure (convex or concave)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

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

14. (a) Design Pressure¹ _____ psi at _____ °F (b) Min. Pressure-Test Temp. _____ °F
(c) Pneumatic, Hydrostatic, or Combination Test Pressure _____ psi

¹If postweld heat-treated. ²List other internal or external pressures with coincident temperature when applicable.
*Supplemental sheets in form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 in. x 11 in.; (2) information in items 1 through 3 of this Data Report is included on each sheet; and (3) each sheet is numbered and the number of sheets is recorded in item 19. Remarks

Items below to be completed for all vessels where applicable.

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

16. Nozzles:

Purpose (Inlet, outlet, drain)	Number	Di. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet	1	3.500	Nozzle	SA-234 WPB	.216	NA	Brazed
Outlet	1	3.500	Nozzle	SA-234 WPB	.216	NA	Brazed

17. Inspection Manholes: No. NA Size NA Location NA
 Coverings: Manholes: No. NA Size NA Location NA
 Threaded: No. NA Size NA Location NA

18. Supports: Skirt NO Lugs NONE Legs NONE Other NA Attached NA
(Yes or no) (Number) (Number) @ (Describe) (Where & how)

19. Remarks: Nozzles fitted with 3" 150 # lap joint flange. MIL SA-105 Class 60 7.500 O.D x 1 3/16" thickness T.S. 70,000 PSI Tubes SB-111-UNS-C70600 T.S. 40,000 PSI Vent and drain bushing Copper silicon SB-98-UNS-C65100 T.S. 40,000 PSI Vent & Drain Plugs Stainless Steel SA-479 Type UNS-S41000. 1 1 1/16" and 3" return bends 5/8" O.D. x .049 nom. wall thickness SB-111-UNS-C70600 T.S. 40,000 PSI
(Brief description of service for which vessel was designed.)

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

Date 9-14, 19 82 Signed American Air Filter By Jim L...
(N Certificate Holder)

Certificate of Authorization Expires May 6, 1984 Certificate of Authorization No. N-1053

CERTIFICATION OF DESIGN

Design information on file at Brownsville, TN.
 Stress analysis report on file at Brownsville, TN.
 Design specifications certified by William J. Axt, Jr. Prof. Eng. State PA Reg. No. 15699-E
 Stress analysis report certified by Matt R. Harlan Prof. Eng. State KY Reg. No. 7823

CERTIFICATE OF SHOP INSPECTION

Vessel made by American Air Filter Co., Inc. at 2000 Tamm Street Brownsville, TN.
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Tennessee and employed by Protection Mutual Ins. Co. of Norwood, Mass.
 have inspected the pressure vessel described in this Manufacturer's Data Report on 9-14, 19 82 and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pressure vessel in accordance with the ASME Code, Section III.
 By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this N Certificate Holder's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 9-14, 19 82 T. A. Hamilton Inspector's Signature
 Commissions Factory Mutual System NB-4826 National Board, State, Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____ of _____
 have compared the statements in this Data Report with the described pressure vessel and state that parts referred to as detail items not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the N Certificate Holder has constructed and assembled this pressure vessel in accordance with the ASME Code, Section III. The described vessel was inspected and subjected to a hydrostatic test and/or pneumatic test of _____ psi.
 By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date _____, 19 _____
 Inspector's Signature _____ Commissions _____ National Board, State, Province and No.

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279

Date 01/21/97
Sheet 1 of 11

2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Unit BVPS Unit 2
Design Change Package 2177

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Service Water System

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>See attached Sheets for detailed information</u>							

7. Description of work Replacement of carbon steel pipe and valves with alloy pipe and stainless steel valves.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 165 psi Test Temp. <250 °F

* The ASME Class 3 piping was hydrostatically tested at the same test pressure. Nominal Operating Pressure and Temperature were used for Code Case N-416-1.

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

FORM NIS-2 (Back)

9. Remarks The pipe and valves were installed by DCP-2177 during the Unit #2 Sixth
Refueling Outage.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed James Anderson, Senior Eng'r Date JANUARY 21 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 2/28/96 to 1/24/97 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.

Robert Cimoch Commissions NB 7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 24 19 97

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
 2. Plant Beaver Valley Power Station
Shippingport, PA 15077
 3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Date 01/21/97
 Sheet 2 of 11
 Unit BVPS Unit 2
Design Change Package 2177
 Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
 Expiration Date Not Applicable

4. Identification of System Service Water System

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.
 6. Identification of Components Repaired or Replaced and Replacement Components

(Old Line Numbers, Valves, & Components)

Name of 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	N/A	N/A	N/A	2-SWS-003-22-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-003-575-3 (Partial)	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-003-613-3 (Partial)	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-003-683-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-579-3	N/A	REPLACED	YES
PIPE	N/A	NA	N/A	2-SWS-002-574-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-616-3 (Partial)	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-577-3 (Partial)	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-571-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-573-3 (Partial)	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-A09-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-A12-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-21-3 (Partial)	N/A	REPLACED	YES

Date JANUARY 21, 1997 Signed [Signature] by Duquesne Light Co.

Date Jan 24, 1997
Robert Cimoch Commissions NB7509 (N.I.) PA 2162
 (Inspector) (Nat'l Board, State, Prov. and No.)

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279

2. Plant Beaver Valley Power Station
Shippingport, PA 15077

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

4. Identification of System Service Water System

Date 01/21/97
 Sheet 3 of 11
 Unit BVPS Unit 2
Design Change Package 2177
 Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
 Expiration Date Not Applicable

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

6. Identification of Components Repaired or Replaced and Replacement Components

(Old Line Numbers, Valves, & Components)

Name of 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	N/A	N/A	N/A	2-SWS-002-A10-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-A11-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-150-572-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-150-834-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-150-572-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-150-585-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-633-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-B25-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-447-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-635-3	N/A	REPLACED	YES

Date January 21, 1997 Signed James C. [Signature] by Duquesne Light Co.

Date Jan 24, 1997
Robert Cimoch Commissions NB 7509 (NI) PA 2102
 (Inspector) (Nat'l Board, State, Prov. and No.)

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279

2. Plant Beaver Valley Power Station
Shippingport, PA 15077

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

4. Identification of System Service Water System

Date 01/21/97
Sheet 4 of 11
Unit BVPS Unit 2
Design Change Package 2177
Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

6. Identification of Components Repaired or Replaced and Replacement Components

(Old Line Numbers, Valves, & Components)

Name of 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	N/A	N/A	N/A	2-SWS-750-B23-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-632-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-622-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-623-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-993-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-636-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-750-634-3	N/A	REPLACED	YES
PIPE	N/A	N/A	N/A	2-SWS-002-869-3	N/A	DELETED	YES
VALVE	Target Rock	N/A	N/A	2SWS-SOV130A	N/A	REPLACED	YES
VALVE	Target Rock	N/A	N/A	2SWS-SOV130B	N/A	REPLACED	YES
VALVE	Masonerian	N/A	N/A	2SWS-AOV118B	N/A	REPLACED	YES

Date JANUARY 21, 1997 Signed James Anderson by Duquesne Light Co

Date Jan 24, 1997
Robert Conrad Commissions NB 7509 (N.I) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
 2. Plant Beaver Valley Power Station
Shippingport, PA 15077
 3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Date 01/21/97
 Sheet 5 of 11
 Unit BVPS Unit 2
Design Change Package 2177

Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
 Expiration Date Not Applicable

4. Identification of System Service Water System

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

6. Identification of Components Repaired or Replaced and Replacement Components

(Old Line Numbers, Valves, & Components)

Name of 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	Contromatica	N/A	N/A	2SWS-MOV170B	N/A	REPLACED	YES
VALVE	Walworth	N/A	N/A	2SWS-80A	N/A	REPLACED	YES
VALVE	Walworth	N/A	N/A	2SWS-80B	N/A	REPLACED	YES
VALVE	Vogt	N/A	N/A	2SWS-81A	N/A	REPLACED	YES
VALVE	Vogt	N/A	N/A	2SWS-81B	N/A	REPLACED	YES
VALVE	Vogt	N/A	N/A	2SWS-84B	N/A	REPLACED	YES
VALVE	Vogt	N/A	N/A	2SWS-85B	N/A	REPLACED	YES
VALVE	N/A	N/A	N/A	2SWS-91	N/A	REPLACED	YES
VALVE	Contromatica	N/A	N/A	2SWS-115B	N/A	REPLACED	YES
VALVE	Dresser	N/A	N/A	2SWS-369	N/A	REPLACED	YES
VALVE	Dresser	N/A	N/A	2SWS-370	N/A	REPLACED	YES
VALVE	Dresser	N/A	N/A	2SWS-371	N/A	REPLACED	YES
VALVE	Dresser	N/A	N/A	2SWS-373	N/A	REPLACED	YES
VALVE	Dresser	N/A	N/A	2SWS-374	N/A	REPLACED	YES
VALVE	Dresser	N/A	N/A	2SWS-686	N/A	REPLACED	YES
VALVE	Dresser	N/A	N/A	2SWS-688	N/A	REPLACED	YES
VALVE	Dresser	N/A	N/A	2SWS-690	N/A	REPLACED	YES
VALVE	Vogt	N/A	N/A	2SWS-692	N/A	REPLACED	YES

Date January 21, 1997 Signed James Anderson by Duquesne Light Co

Date Jan 24, 1997
Robert Cimoch Commissions NB 7509 (WI) PA 2162
 (Inspector) (Nat'l Board, State, Prov. and No.)

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279

2. Plant Beaver Valley Power Station
Shippingport, PA 15077

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

4. Identification of System Service Water System

Date 01/21/97

Sheet 6 of 11

Unit BVPS Unit 2

Design Change Package 2177

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

6. Identification of Components Repaired or Replaced and Replacement Components

(Old Line Numbers, Valves, & Components)

Name of 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	Vogt	N/A	N/A	2SWS-694	N/A	REPLACED	YES
VALVE	Vogt	N/A	N/A	2SWS-696	N/A	REPLACED	YES
VALVE	Dresser	N/A	N/A	2SWS-927	N/A	REPLACED	YES
VALVE	N/A	N/A	N/A	2SWS-1209	N/A	REPLACED	YES
VALVE	N/A	N/A	N/A	2SWS-1211	N/A	REPLACED	YES
VALVE	N/A	N/A	N/A	2SWS-96	N/A	DELETED	YES
VALVE	N/A	N/A	N/A	2SWS-698	N/A	DELETED	YES

Date JANUARY 21, 1997 Signed Donna Lukeman by Duquesne Light Co.

Date Jan 24, 1997

Robert Cimoch Commissions NB 7509 (NI) PA 2102
 (Inspector) (Nat'l Board, State, Prov. and No.)

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279

2. Plant Beaver Valley Power Station
Shippingport, PA 15077

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

4. Identification of System Service Water System

Date 01/21/97
Sheet 7 of 11
Unit BVPS Unit 2
Design Change Package 2177

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

6. Identification of Components Repaired or Replaced and Replacement Components

(New line Numbers, Valves, and Components)

Name of 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	N/A	N/A	N/A	2-SWS-003-22-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-003-575-3 (Partial)	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-003-613-3 (Partial)	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-003-683-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-002-579-3	1996	REPLACEMENT	NO
PIPE	N/A	NA	N/A	2-SWS-002-574-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-002-616-3 (Partial)	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-002-577-3 (Partial)	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-002-571-3	1996	REPLACEMENT	NO

Date January 21, 1997 Signed James Anderson by Duquesne Light Co.

Date Jan 24, 1997
Robert Cimiche Commissions NB 7509 (N, I) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279

2. Plant Beaver Valley Power Station
Shippingport, PA 15077

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

4. Identification of System Service Water System

Date 01/21/97

Sheet 8 of 11

Unit BVPS Unit 2

Design Change Package 2177

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

6. Identification of Components Repaired or Replaced and Replacement Components

(New line Numbers, Valves, and Components)

Name of 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	N/A	N/A	N/A	2-SWS-002-573-3 (Partial)	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-002-A09-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-002-A12-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-002-A10-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-002-A11-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-002-21-3 (Partial)	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-150-572-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-150-834-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-150-585-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-622-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-633-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-B25-3	1996	REPLACEMENT	NO

Date JANUARY 21, 1997 Signed James Leckman by Duquesne Light Co

Date Jan 24, 1997
Robert Cimoch Commissions NB 7509 (NI) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

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

As Required by the Provisions of the ASME Code Section XI

- 1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
- 2. Plant Beaver Valley Power Station
Shippingport, PA 15077
- 3. Work Performed by Duquesne Light Company
Shippingport, PA 15077
- 4. Identification of System Service Water System

Date 01/21/97
 Sheet 9 of 11
 Unit BVPS Unit 2
 Design Change Package 2177
 Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
 Expiration Date Not Applicable

- 5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.
- 6. Identification of Components Repaired or Replaced and Replacement Components

(New line Numbers, Valves, and Components)

Name of 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	N/A	N/A	N/A	2-SWS-750-447-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-635-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-B23-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-623-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-993-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-636-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-634-3	1996	REPLACEMENT	NO
PIPE	N/A	N/A	N/A	2-SWS-750-632-3	1996	REPLACEMENT	NO
VALVE	Target Rock	96H-001	N/A	2SWS-SOVI30A	1996	REPLACEMENT	YES
VALVE	Target Rock	96H-001	N/A	2SWS-SOVI30B	1996	REPLACEMENT	YES
VALVE	Massonellian	N-333228-1	N/A	2SWS-AOV118B	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-4-1	N/A	2SWS-MOV170B	1995	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-1-1	N/A	2SWS-80A	1996	REPLACEMENT	YES

Date January 21, 1997 Signed James Redman by Duquesne Light Company

Date Jan 24, 1997

Robert Cimoch Commissions NB 7509 (NI) PA 2152
 (Inspector) (Nat'l Board, State, Prov. and No.)

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279

2. Plant Beaver Valley Power Station
Shippingport, PA 15077

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

4. Identification of System Service Water System

Date 01/21/97

Sheet 10 of 11

Unit BVPS Unit 2

Design Change Package 2177

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

6. Identification of Components Repaired or Replaced and Replacement Components

(New line Numbers, Valves, and Components)

Name of 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	ANCHOR/DARLING	EZ776-1-2	N/A	2SWS-80B	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-2-4	N/A	2SWS-81A	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	84038-8-11	N/A	2SWS-81B	1976	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-2-1	N/A	2SWS-84B	1976	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	85332-20-3	N/A	2SWS-85B	1983	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-5-15	N/A	2SWS-91	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-6-1	N/A	2SWS-115B	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-5-7	N/A	2SWS-369	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-5-6	N/A	2SWS-370	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-5-20	N/A	2SWS-371	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-5-12	N/A	2SWS-373	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	85332-32-6	N/A	2SWS-374	1985	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	84038-5-36	N/A	2SWS-686	1976	REPLACEMENT	YES

Date JANUARY 21, 1997 Signed James [Signature] by Duquesne Light Co.

Date Jan 24, 1997

Robert Cimoch Commissions NB7509 (WI) PA 2102
 (Inspector) (Nat'l Board, State, Prov. and No.)

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279

2. Plant Beaver Valley Power Station
Shippingport, PA 15077

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

4. Identification of System Service Water System

Date 01/21/97
Sheet 11 of 11
Unit BVPS Unit 2
Design Change Package 2177

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

5. (a) Applicable Construction Code ASME 1971 Edition, Winter 1972 Addenda, N-415-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

6. Identification of Components Repaired or Replaced and Replacement Components

(New line Numbers, Valves, and Components)

Name of 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	VELAN	484-4	N/A	2SWS-688	1981	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	85639-2-5	N/A	2SWS-690	1979	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-6-2	N/A	2SWS-692	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-6-3	N/A	2SWS-694	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-6-8	N/A	2SWS-696	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-5-9	N/A	2SWS-927	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EA776-5-2	N/A	2SWS-1209	1996	REPLACEMENT	YES
VALVE	ANCHOR/DARLING	EZ776-5-10	N/A	2SWS-1211	1996	REPLACEMENT	YES

Date January 21, 1997 Signed James Anderson by Duquesne Light Co

Date Jan 24, 1997
Robert Cimoch Commissions NB 7509 (N, I) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

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

1. Owner Duquesne Light Company Date 9/30/96
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3 *JE/12/97*
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. BVPS #2
(NAME)
Shippingport, PA 15077 Design Change Package 2203
(ADDRESS) REPAIR ORGANIZATION P.O. NO. JOB NO. ETC.

3. Work Performed By DLCo - Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. _____
(ADDRESS) Expiration Date _____

4. Identification of System Area Ventilation Cooling System, ASME Class 3

5. (a) Applicable Construction Code ASME III 19 74 Edition, Winter 74 Addenda, N/A
Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
MCC*2E03 Enc Cooling Coil	American Air Filter	906081-C	1850	2HVP*CLC265A	1982	Replaced	Yes
MCC*2E04 Enc Cooling Coil	American Air Filter	906081-D	1851	2HVP*CLC265B	1982	Replaced	Yes
MCC*2E03 Enc Cooling Coil	Aerofin	960806	774	2HVP*CLC265A	1996	Replacement	Yes
MCC*2E04 Enc Cooling Coil	Aerofin	960807	775	2HVP*CLC265B	1996	Replacement	Yes

7. Description of Work Replacement of existing coolers with new coolers

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 225 psi Test Temp. 70 (min) °F

FORM NIS-2 (Back)

9. Remarks These coolers were installed by DCP 2203 during 2R6

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed J. J. Gyzlacher Date 9/30/ 19 96
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 9/3/96 to 10/3/96 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.

Robert Cimoch Commissions NB7509 (NISBIS) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct. 3 19 96

FORM NO. 1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by AEROFIN CORPORATION, 4621 MURRAY PLACE, LYNCHBURG, VA 24502
(name and address of Certificate holder)

2. Manufactured for DUQUESNE LIGHT COMPANY, BEAVER VALLEY STATION, SHIPPINGPORT, PA 15077
(name and address of Purchaser)

3. Location of installation DUQUESNE LIGHT COMPANY, BEAVER VALLEY STATION, SHIPPINGPORT, PA 15077
(name and address)

4. Type: HORIZONTAL HEAT EXCHANGER 960806 --- N-RC-1038 774 1996
(name of part) (tank, jacketed, heat ex.) (Cert. holder's serial no.) (CRN) (drawing no.) (Netl. Bd. no.) (year built)

5. ASME Code, Section III, Division 1: 1974 1974 WINTER 3 ---
(edition) (addenda date) (class) (Code Case no.)

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

6. Shell: SA-240, 304 75,000 1" .53" 0' - 5.6" 2' - 3"
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. (D) (ft. & in.)) (length (overall) (ft. & in.))

7. Seams: NONE --- --- --- --- --- --- ---
(long.) (HT) (RT) (eff. %) (grth) (HT) (RT) (no. of courses)

8. Heads: SA-240, 304 75,000 SA-240, 304 75,000
(a) (mat'l. spec. no.) (tensile strength) (b) (mat'l. spec. no.) (tensile strength)

Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) ENDS	.625"	FLAT	--	--	--	--	12" X 5"	--
(b) SIDES	.625"	FLAT	--	--	--	--	12" X 24"	--

If removable, bolts used (22) 5/8" - 11 X 2 1/2", SA-193, GR. 88 Other fastening ---
(mat'l. spec. no., size, quantity) (describe or attach sketch)

9. Jacket closure: _____
(Describe as edge & weld, bar, etc. if bar, give dimensions, describe or sketch)

10. Design pressure¹ 150 at max. temp. 200. Min. pressure-test temp. 70. Pneu. hydro., or comb. test pressure 225
(psi) (°F) (°F) (psi)

Items 11 and 12 to be completed for tube sections.

11. Tubesheets: SA-240, 304 5.6" 1" BOLTED
(stationary, mat'l. spec. no.) (dia. in. (subject to press.)) (thickness (in.)) (attachment (welded, bolted))

12. Tubes: SB-111, UNS-70600 .625" .049" 66 STRAIGHT
(mat'l. spec. no.) (OD (in.)) (thickness (inches or gage)) (no.) (type (straight or U))

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

13. Shell: _____
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. (D) (ft. & in.)) (length (overall) (ft. & in.))

14. Seams: _____
(long., welded, etc., angles) (HT) (yes or no) (RT) (eff. %) (grth) (HT) (RT) (no. of courses)

15. Heads: _____
(a) (mat'l. spec. no.) (tensile strength) (b) (mat'l. spec. no.) (tensile strength) (c) (mat'l. spec. no.) (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

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

16. Design pressure¹ _____ at _____ Min. pressure-test temp. _____ Pneu., hydro., or comb. test pressure _____
(psi) (°F) (°F) (psi)

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

17. Nozzles, inspection and safety valve openings

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l	Thickness	Reinforcement Material	Location
DRY OUTLET	1	2" NPS	STUB END WELDED		SA-400 V-P304	.1875"	N/R	BD
	1	1" NPS	L.U. FLG FLANGED		SA-182 F-304	150 LB	N/R	BD
VENT ORIFICE	3/3	3/4" NPS	S.S. PLUG THREADED		SA-182 F-304	.375"	N/R	BD

18. Supports: Skirt NO Lugs -- Lugs -- Other -- Attached --
(yes or no) (quantity) (quantity) (describe) (where & how)

19. Remarks: AEROFIN SO# 961249-CR-001
 MARKS: 2HVP-CLC255A

** HEADS MACHINED INTEGRAL TO TUBE SHEET
*** "U" BENDS OF SB-111, UNS C-70600, .625" O.D., .065" NOM. THICKNESS

CERTIFICATION OF DESIGN

Design specification certified by THEODORE A SOCKACI P.E. State PA Reg. no. 028584-E
 Design report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1999
 Date 8-28-96 Name AEROFIN CORPORATION Signed Boris Nebel
(N Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA and employed by *ALLENDALE MUTUAL INSURANCE

of NORWOOD, MA have inspected the component described in this Data Report on 8-28-96 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

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

Date 8-29-96 Signed Andrew W. Walker Commissions VA 770 NB9055AN
(Authorized Inspector) (Nat'l. Bd. Incl. endorsements) and state or prov. and no. 1

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

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

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

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____

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

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

Date _____ Signed _____ Commissions _____
(Authorized Inspector) (Nat'l. Bd. Incl. endorsements) and state or prov. and no. 1

FORM N-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
As Required by the Provisions of the ASME Code, Section III, Division 1

Form No 935

Pg of 2

1. Manufactured and certified by AEROFIN CORPORATION, 4621 MURRAY PLACE, LYNCHBURG, VA 24502
(name and address of Certificate holder)
2. Manufactured for DUQUESNE LIGHT COMPANY, BEAVER VALLEY STATION, SHIPPINGPORT, PA 15077
(name and address of Purchaser)
3. Location of installation DUQUESNE LIGHT COMPANY, BEAVER VALLEY STATION, SHIPPINGPORT, PA 15077
(name and address)
4. Type: HORIZONTAL HEAT EXCHANGER 960807 --- N-RC-1038 775 1996
(name of vessel) (tank, jacketed, heat ex.) (Cert. holder's serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)
5. ASME Code, Section III, Division 1: 1974 1974 WINTER 3 --
(edition) (addenda date) (addenda) (Code Case no.)

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

6. Shell: SA-240, 304 75,000 1" .53" 0' - 5.6" 2' - 3"
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
7. Seams: NONE --- --- --- --- --- ---
(long.) (HT¹) (RT) (eff. %) (girth) (HT¹) (RT) (no. of courses)
8. Heads: SA-240, 304 75,000 SA-240, 304 75,000
((a) mat'l. spec. no.) (tensile strength) ((b) mat'l. spec. no.) (tensile strength)

Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) ENDS	.625"	FLAT	--	--	--	--	2" X 5"	--
(b) SIDES	.625"	FLAT	--	--	--	--	2" X 24"	--

If removable, bolts used (22) 5/8" - 11 X 2 1/2", SA-193, GR. B8 Other fastening ---
(mat'l. spec. no., size, quantity) (describe or attach sketch)

9. Jacket closure: _____
(Describe as girth & weld, bar, etc. If bar, give dimensions, describe or sketch)
10. Design pressure² 150 at max. temp. 200 Min. pressure-test temp. 70 Pneu., hydro., or comb. test pressure 225
(psi) (°F) (°F) (psi)

Items 11 and 12 to be completed for tube sections.

11. Tubesheets: SA-240, 304 5.6" 1" BOLTED
(stationary, mat'l. spec. no.) (dia. in. (subject to press.)) (thickness (in.)) (attachment (welded, bolted))
- SA-240, 304 5.6" 1" BOLTED
(floating, mat'l. spec. no.) (dia. (in.)) (thickness (in.)) (attachment)
12. Tubes: SB-111, UNS-70600 .625" .049" 66 STRAIGHT
(mat'l. spec. no.) (OD (in.)) (thickness (inches or gages)) (no.) (type (straight or U))

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

13. Shell: _____
(mat'l. spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))
14. Seams: _____
(long. (welded, diss., single)) (HT¹ (yes or no)) (RT) (eff. %) (girth) (HT¹) (RT) (no. of courses)
15. Heads: _____
((a) mat'l. spec. no.) (tensile strength) ((b) mat'l. spec. no.) (tensile strength) ((c) mat'l. spec. no.) (tensile strength)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

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

16. Design pressure² _____ at _____ Min. pressure-test temp. _____ Pneu., hydro., or comb. test pressure _____
(psi) (°F) (°F) (psi)

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

7. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. or Size	Type	How Attached	Mat'l	Thickness	Reinforcement Material	Location
BLEED OUTLET	1/1	1" NPS	STUB END WELDED		SA-403 VF304	.181"	N/A	ED
	1/1	1" NPS	L.I.J. FLG FLANGED		SA-182 F-304	150 LB	N/A	ED
VENT/DRAIN	3/3	3/4" NPS	S.S. PLUG THREADED		SA-182 F-304	.375"	N/A	ED

18. Supports: Skirt NO Lugs -- Legs -- Other -- Attached --
(yes or no) (quantity) (quantity) (described) (where & how)

19. Remarks: AEROFIN SO# 961249-CR-002
 MARKS: ZHVP-CLC265B

** HEADS MACHINED INTEGRAL TO TUBE SHEET
*** "U" BENDS OF SB-111, UNS C-70600, .625" O.D., .065" NOM. THICKNESS

CERTIFICATION OF DESIGN

Design specification certified by THEODORE A SOCKACI P.E. State PA Reg. no. 028584-E
 Design report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF SHOP COMPLIANCE

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

N Certificate of Authorization No. N-2814 Expires MARCH 30, 1999
 Date 8-28-96 Name AEROFIN CORPORATION Signed Benny W. Hart
(N Certificate holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA and employed by *ALLENDALE MUTUAL INSURANCE

of NORWOOD, MA have inspected the component described in this Data Report on 8-28-96 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

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

Date 8-29-96 Signed Shelton V. Pollock Commissions VA, 770 NB 9055AN
(Authorized Inspector) (Net'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

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

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

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____

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

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

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

Form No. 936

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

1. Owner Duquesne Light Company Date 01-02-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#055777
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Class 3)

5. (a) Applicable Construction Code Section III, 1971 Edition, S72 Addenda 1672, 1567
 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Valve	Walworth	D-66327	1824	2MSS-352	1978	Repair	Yes

7. Description of Work Seal welded hinge pin plug to body.

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

FORM NIS-2 (Back)

9. Remarks Previous NIS-2 Data Report Nos: 358, and 812.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *[Signature]* Senior Eng. Date January 02, 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 10/3/96 to 1/3/97, 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.

Robert Amock Commissions NB7509 (NISBIS) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 3, 19 97

Form No. 937

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

1. Owner Duquesne Light Company Date 01-02-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#055776
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Class 3)

5. (a) Applicable Construction Code Section III, 1971 Edition, S'72 Addenda, 1672, 1567
 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Components	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Walworth	D63916	1288	2MSS-196	1977	Repair	Yes
Plug	Consolidated Power Supply	N/A	N/A	Ht#036J	1995	Replacement	No

7. Description of Work Replaced hinge pin plug and seal welded plug to body.

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

FORM NIS-2 (Back)

9. Remarks Previous NIS-2 Data Report Nos: 095, and 810.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Norman J. White* Senior Eng. Date January 02, 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 10/4/96 to 1/3/97, 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.

Robert Cimoch Commissions NB7509(NISBIS)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan. 3, 19 97

Form No. 938

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

1. Owner Duquesne Light Company Date 01-02-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#055775
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Class)

5. (a) Applicable Construction Code Section III, 1971 Edition, S72 Addenda, 1672 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1963E-S63A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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 Valve	Walworth	D68241	1903	2MSS-19	1973	Repair	Yes
Disc	Crane Valve	C4744	N/A	Ht#f0208	1995	Replacement	Yes
Plug	Consolidated Power Supply	N/A	N/A	Ht#036J	1995	Replacement	No

7. Description of Work Replaced disc, hinge pin plug and seal welded plug to body.

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

FORM NIS-2 (Back)

9. Remarks N-2 Data Report for disc attached. Previous NIS-2 Data Report Nos: 094, 200, and 367.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Norman J. G. Senior Eng.* Date January 02 19 97
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 State or Province of Pennsylvania and employed by Arrowright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 10/5/96 to 1/2/97, 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.

Robert Cimoch Commissions NB7509 (NISBIS) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 2 19 97

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

Form No. 938

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

Pg. 1 of 1

1. Manufactured and certified by Crane Valves Nuclear Operations, 104 N. Chicago St., Joliet, IL 60431
(name and address of NPT Certificate Holder)
2. Manufactured for Duquesne Light Co., P.O. Box 345, Rt. 168, Shippingport, PA 15077
(name and address of purchaser)
3. Location of installation Beaver Valley Nuclear Power Station, P.O. Box 4, Shippingport, PA 15077
(name and address)
4. Type CA00294, Rev. E SA105 70,000 PSI N/A 1995
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1971 Summer 1972 2 1672
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: CVNO S/O #069000515-002 N, P.O. D139251, 2 Discs for a 3" S350WE, 600# Swing

Check Valve, Assy. Dwgs. SK-1954-9, Rev. G & SK-1954-10, Rev. E, P/N CA00294, Material

Supplier Coulter Steel & Forge Co., Ht. #F0208 *No Hydro Performed

8. Nom. thickness (in.) 7/16 Min. design thickness (in.) .42 Dia. ID (ft & in.) 3 3/4" Length overall (ft & in.) 2 1/4"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>C4743</u>	<u>N/A</u>
(2) <u>C4744</u>	<u>N/A</u>
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure ANSI 600# psi. Temp. --- °F. Hydro. test pressure * at temp. °F
(when applicable)

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

CERTIFICATION OF DESIGN

Design specifications certified by Alan J. Fiorente P.E. State PA Reg. no. 032366-E
(when applicable)

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

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-2900 Expires September 24, 1996

Date 05/01/95 Name Crane Valves Nuclear Operations Signed Garrett Petrovich
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by *Protection Mutual of Norwood, MA have inspected these items described in this Data Report on May 01, 1995 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 05/01/95 Signed [Signature] Commissions IL 917
(Authorized Inspector) (Nat'l Bd. Incl. endorsements) state or prov. and no.

*Factory Mutual Engineering Assoc.

Form No. 940

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

1. Owner Duquesne Light Company Date 01-13-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plan: Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#058199
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Residual Heat Removal (Class 2)

5. (a) Applicable Construction Code Section III, 1971 Edition, S'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp (YES or NO)
Pump	Ingersol Rand	127426	222	2RHS-P21A	1977	Repair	Yes
Gland Seal Plate	Jessop	N/A	N/A	Ht#16052	1987	Replacement	No

7. Description of Work Replaced Gland Seal Plate

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

FORM NIS-2 (Back)

9. Remarks Replaced the Gland Seal Plate with the pump mechanical seal. New plate was
manufactured to the 1980-S'82 Edition of Section III. No Code Data Report.

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 per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed: James J. White Senior Eng Date January 13, 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of
Norwood, Massachusetts have inspected the components described in the
Owner's Report during the period 11/9/96 to 1/15/97, 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.

Robert Cimoch Commissions NB 7509 (N, I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 15, 19 97

Form No. 941

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

1. Owner Duquesne Light Company Date 01-13-97
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 MWR#058200
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Residual Heat Removal (Class 2)

5. (a) Applicable Construction Code Section III, 1971 Edition, S'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983E-S'83A

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Pump	Ingersol Rand	127427	223	2RHS-P21B	1977	Repair	Yes
Gland Seal Plate	Jessop	N/A	N/A	Ht#16052	1987	Replacement	No

7. Description of Work Replaced Gland Seal Plate

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

FORM NIS-2 (Back)

9. Remarks Replaced the Gland Seal Plate with the pump mechanical seal. New plate was
manufactured to the 1980-S'82 Edition of Section III. No Code Data Report.

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 per NPDAP 8.5 'ASME Section XI Repair/Replacement Program'

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

Signed [Signature] Senior Eng. Date January 13 19 97
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 State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of
Norwood, Massachusetts have inspected the components described in the
Owner's Report during the period 11/9/96 to 1/15/97, 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.

Robert Cimoch Inspector's Signature Commissions NB7509 (N,I) PA2162
National Board, State, Province, and Endorsements

Date Jan 15 19 97