

BEAVER VALLEY POWER STATION

UNIT 2

THIRD REFUELING OUTAGE  
INSERVICE INSPECTION REPORT

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Q PDR

DUQUESNE LIGHT COMPANY  
BEAVER VALLEY POWER STATION  
INSERVICE INSPECTION DEPARTMENT

INSERVICE INSPECTION NINETY-DAY REPORT

BEAVER VALLEY POWER STATION UNIT 2

OUTAGE 3 YEAR 1992

INSPECTION TERM: 11/15/90 to 05/07/92

Issue Date: 7/27/92

Owner: Duquesne Light Company  
One Oxford Centre  
301 Grant Street  
Pittsburgh, Pennsylvania 15279

NRC Docket Number: 50-412

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

Prepared By: James B. Birk Date: 7/17/92

Reviewed By: D. Grubbs Date: 7/17/92

Approved By: F. Schuster Date: 7/20/92

90-DAY REPORT  
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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**  
As required by the Provisions of the ASME Code Rules

1. Owner Duquesne Light Company, One Oxford Centre, Pittsburgh, PA 15279  
(Name and Address of Owner)
2. Plant Beaver Valley Power Station, P.O. Box 4, Shippingport, PA 15077  
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) 26-05000
5. Commercial Service Date 11/27/87 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combustion Engineering	CE-9071	B160591	21669
Pressurizer	Westinghouse	1971	485064	W18695
A Steam Generator	Westinghouse	1961	485065	W16598
B Steam Generator	Westinghouse	1962	485066	W16599
C Steam Generator	Westinghouse	1963	485067	W16600
C Reactor Coolant Pump	Westinghouse	W-11001-A1	N/A	N/A
Reactor Coolant Piping	S.W. Fabricating	N/A	N/A	N/A
Auxiliary Piping Systems	Schneider Power Corp.	N/A	N/A	N/A
Volume Control Tank	Lameo Ind., Inc.	458	484995	189
Regenerative Heat Exchanger	Joseph Oat Co.	2255-2-1	484993	884
Valve 2RCS*RV551A	Crosby Valve & Gage Co.	N56963-01-0011	N/A	N/A

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.

### Outage Summary

During the Third Refueling Outage (3R) at the Beaver Valley Power Station, Unit 2, Inservice Inspection (ISI) exams were performed on Class 1, 2, and 3 components. This was the first outage of the second period of the first ten year interval.

The exams were based on the ASME Section XI, 1983 Edition through the Summer 1983 Addenda, using Code Case N-408 for Class 2 piping welds.

### ASME XI Exams

1. Three hundred fifty three (353) Class 1 exams were performed and are divided into three groups as follows:
  - a. Welds (piping and vessels)

Ultrasonic Exams	-	34
Penetrant Exams	-	71
Magnetic Particle Exams	-	3
  - b. Bolting

Ultrasonic Exams	-	19
Visual Exams	-	113
Magnetic Particle Exams	-	39
  - c. Supports

Visual Exams	-	74
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2. Three hundred fifty one (351) Class 2 exams were performed and are divided into two groups as follows:
  - a. Welds (piping, pumps, and vessels)

Ultrasonic Exams	-	92
Penetrant Exams	-	41
Magnetic Particle Exams	-	21
Visual Exams	-	6
  - b. Supports

Penetrant Exams	-	56
Visual Exams	-	135
  
3. One hundred twenty nine (129) visual exams of Class 3 supports were performed and are divided into two groups as follows:
  - a. Supports

Visual Exams	-	33
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  - b. Attachments

Visual Exams	-	96
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The ASME XI exams were performed by Duguesne Light Company and Magnafix Quality Services NDE Technicians. The exams are listed in Appendices I and II.

#### Reactor Vessel Examinations

Examinations performed on the Reactor Vessel were the Closure Head Flange Circumferential weld (2RCS\*REV21-C-1A), the Closure Head studs, nuts, and washers and the Head lugs (2RCS\*RVH-LUG-2 and 2RCS\*RVH-LUG-3).

#### Pressure Testing

The Class 1, 2, and 3 piping System Leakage Tests and accompanying VT-2 exams were performed before during and after the outage to fulfill the 40-month pressure testing requirement.

#### Steam Generator Inspection Report - No. 158

One hundred percent of the in-service tubes were examined in the three steam generators. The results of the examinations and information on tube plugging are contained in Appendix V.

#### Flux Thimble Examinations

In accordance with NRC Bulletin No. 88-09 "Thimble Tube Thinning in Westinghouse Reactors" all fifty (50) flux thimbles were examined. The results of the examinations are contained in Appendix VI.

#### Snubber Examinations

Snubber examinations were performed this outage in accordance with Technical Specification 3/4.7.12. The results of the exams are contained in the Unit 2 3R Snubber Outage Summary Report.

#### Deficiency Resolution

All recorded deficiencies on vessels, piping, and supports were evaluated and reported by the Quality Services Inspection and Examination Department per administrative procedures. Appendix III identifies the rejectable indications found this outage.

#### NIS-2 Forms

Included as Appendix IV are the NIS-2 Forms associated with Repairs and Replacements made at Unit 2 during 3R.

APPENDIX I

APPENDIX 1 - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
** ASME ITEM NUMBER/EXAM CATEGORY: B.E.Z.			
* ISOMETRIC: 100203			
2SVS-040-F505	BUTT WELD	UT92114	
2SVS-040-F506	BUTT WELD	UT92115	
2SVS-040-F509	BUTT WELD	UT92116	
2SVS-040-F510	BUTT WELD	UT92117	
2SVS-040-F516	BUTT WELD	UT92118	
2SVS-040-F512	BUTT WELD	UT92119	
2SVS-040-F517	BUTT WELD	UT92120	
2SVS-040-F518	BUTT WELD	UT92121	
2SVS-040-F515	BUTT WELD	UT92122	
2SVS-040-F508	BUTT WELD	UT92123	
* ISOMETRIC: 100204			
2SVS-044-F01	BUTT WELD	UT92129	
2SVS-044-F504	BUTT WELD	UT92130	
2SVS-044-F506	BUTT WELD	UT92131	
2SVS-044-F507A	BUTT WELD	UT92132	E-92-13
2SVS-044-F508	BUTT WELD	UT92133	
2SVS-044-F509	BUTT WELD	UT92134	
2SVS-044-2BA	BUTT WELD	UT92135	
2SVS-044-F03	BUTT WELD	UT92136	
2SVS-044-F502	BUTT WELD	UT92137	
2SVS-044-F04	BUTT WELD	UT92138	
2SVS-044-F505	BUTT WELD	UT92139	
2SVS-044-F503	BUTT WELD	UT92140	
* ISOMETRIC: 100207			
2HSS-170-3C	BRANCH CONN. WELD	MT92033	
2HSS-170-3A	BRANCH CONN. WELD	MT92033	
* ISOMETRIC: 200202			
2HSS-002-1A-1A	LONGITUDINAL WELD	UT92112	
** ASME ITEM NUMBER/EXAM CATEGORY: RG1.14			
* ISOMETRIC: RCSP21			
2RCS*P21C-FLYWHEEL	FLYWHEEL	UT92055	UT ONLY - EXAMINED IN-PLACE. E-92-7 FOR REFLECTOR EVALUATION
** ASME ITEM NUMBER/EXAM CATEGORY: B01.040 B-A			
* ISOMETRIC: REV21			
2RCS*REV21-C-1A	RVCH FLANGE CIRCUMFERENTIAL WELD	UT92075	E-92-9 AND E-92-10. EXAMINED FROM HOLE MT92030 20 TO 39 (DATUM 12 +6" TO 26)



APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
** ASME ITEM NUMBER/EXAM CATEGORY: B02.011 B-B			
* ISOMETRIC: PRE21 2RCS*PRE21-C-1	CIRCUMFERENTIAL WELD		U.92081 DATUM 7 + 6" TO DATUM 15
** ASME ITEM NUMBER/EXAM CATEGORY: B02.012 B-B			
* ISOMETRIC: PRE21 2RCS*PRE21-L-2	LONGITUDINAL WELD	UT92083	
** ASME ITEM NUMBER/EXAM CATEGORY: B02.040 B-B			
* ISOMETRIC: SG21 2RCS*SG21B-C-1	CIRCUMFERENTIAL WELD	UT92077	
** ASME ITEM NUMBER/EXAM CATEGORY: B03.110 B-D			
ISOMETRIC: PRE21 2RCS*PRE21-N-10	NOZZLE-TO-VESSEL WELD	UT92090	
** ASME ITEM NUMBER/EXAM CATEGORY: B03.120 B-D			
* ISOMETRIC: PRE21 2RCS*PRE21-N-101R	NOZZLE INSIDE RADIUS	UT92087	
** ASME ITEM NUMBER/EXAM CATEGORY: B05.040 B-F			
* ISOMETRIC: PRE21 2RCS*PRE21-101A	NOZZLE TO-SAFE-END	UT93084 PT92077	
2RCS*PRE21-102B	NOZZLE-TO-SAFE-END	UT92085	ONLY UT COMPLETED
** ASME ITEM NUMBER/EXAM CATEGORY: B05.070 B-F			
* ISOMETRIC: 110230 2RCS-004-F04	NOZZLE TO SAFE-END		ONLY PT COMPLETED PT92031
* ISOMETRIC: 110233 2RCS-005-F01	NOZZLE TO SAFE-END		ONLY PT COMPLETED PT92033
ASME ITEM NUMBER/EXAM CATEGORY: B06.010 B-G-1			
* ISOMETRIC: REV21 2RCS*REV21-WJT-20	BOLTING	WT92021	

FILE NO. 3  
07/17/92

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
6VPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2RCS*REV21-NUT-21	BOLTING	MT92021	
2RCS*REV21-NUT-22	BOLTING	MT92021	
2RCS*REV21-NUT-23	BOLTING	MT92019	
2RCS*REV21-NUT-24	BOLTING	MT92019	
2RCS*REV21-NUT-25	BOLTING	MT92020	
2RCS*REV21-NUT-26	BOLTING	MT92020	
2RCS*REV21-NUT-27	BOLTING	MT92020	
2RCS*REV21-NUT-28	BOLTING	MT92020	
2RCS*REV21-NUT-29	BOLTING	MT92021	
2RCS*REV21-NUT-30	BOLTING	MT92024	
2RCS*REV21-NUT-31	BOLTING	MT92023	
2RCS*REV21-NUT-32	BOLTING	MT92023	
2RCS*REV21-NUT-33	BOLTING	MT92022	
2RCS*REV21-NUT-34	BOLTING	MT92022	
2RCS*REV21-NUT-35	BOLTING	MT92022	
2RCS*REV21-NUT-36	BOLTING	MT92023	
2RCS*REV21-NUT-37	BOLTING	MT92022	
2RCS*REV21-NUT-38	BOLTING	MT92022	

\*\* ASME ITEM NUMBER/EXAM CATEGORY: B06.030 B-G-1

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER
2RCS*REV21-STUD-20	BOLTING	UT92053
2RCS*REV21-STUD-21	BOLTING	MT92018
2RCS*REV21-STUD-22	BOLTING	UT92053
2RCS*REV21-STUD-23	BOLTING	MT92018
2RCS*REV21-STUD-24	BOLTING	UT92053
2RCS*REV21-STUD-25	BOLTING	MT92016
2RCS*REV21-STUD-26	BOLTING	UT92053
2RCS*REV21-STUD-27	BOLTING	MT92017
2RCS*REV21-STUD-28	BOLTING	UT92053
2RCS*REV21-STUD-29	BOLTING	MT92017
2RCS*REV21-STUD-30	BOLTING	UT92053
2RCS*REV21-STUD-31	BOLTING	MT92017
2RCS*REV21-STUD-32	BOLTING	UT92053
2RCS*REV21-STUD-33	BOLTING	MT92018
2RCS*REV21-STUD-34	BOLTING	UT92052
2RCS*REV21-STUD-35	BOLTING	MT92026
2RCS*REV21-STUD-36	BOLTING	UT92052
2RCS*REV21-STUD-37	BOLTING	MT92027

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	WDE REPORT NUMBER *****	OUTAGE REMARKS *****
2RCS*REV21-STUD-32	BOLTING	UT92052 MT92027	
2RCS*REV21-STUD-33	BOLTING	UT92052 MT92025	
2RCS*REV21-STUD-34	BOLTING	UT92052 MT92025	
2RCS*REV21-STUD-35	BOLTING	UT92052 MT92024	
2RCS*REV21-STUD-36	BOLTING	UT92052 MT92027	
2RCS*REV21-STUD-37	BOLTING	UT92052 MT92025	
2RCS*REV21-STUD-38	BOLTING	UT92052 MT92025	

\*\* ASME ITEM NUMBER/EXAM CATEGORY: B06.050 B-G-1

ISOMETRIC: REV21

2RCS*REV21-WASHER-20	BOLTING	VT92217	
2RCS*REV21-WASHER-21	BOLTING	VT92217	
2RCS*REV21-WASHER-22	BOLTING	VT92217	
2RCS*REV21-WASHER-23	BOLTING	VT92216	
2RCS*REV21-WASHER-24	BOLTING	VT92216	
2RCS*REV21-WASHER-25	BOLTING	VT92216	
2RCS*REV21-WASHER-26	BOLTING	VT92216	
2RCS*REV21-WASHER-27	BOLTING	VT92216	
2RCS*REV21-WASHER-28	BOLTING	VT92216	
2RCS*REV21-WASHER-29	BOLTING	VT92217	
2RCS*REV21-WASHER-30	BOLTING	VT92219	
2RCS*REV21-WASHER-31	BOLTING	VT92219	
2RCS*REV21-WASHER-32	BOLTING	VT92219	
2RCS*REV21-WASHER-33	BOLTING	VT92218	
2RCS*REV21-WASHER-34	BOLTING	VT92218	
2RCS*REV21-WASHER-35	BOLTING	VT92218	
2RCS*REV21-WASHER-36	BOLTING	VT92219	
2RCS*REV21-WASHER-37	BOLTING	VT92218	
2RCS*REV21-WASHER-38	BOLTING	VT92218	

\*\* ASME ITEM NUMBER/EXAM CATEGORY: B07.020 B-G-2

ISOMETRIC: PRE21

2RCS*PRE21-B-01	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-02	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-03	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-04	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-05	BOLTING	VT92228	EXAMINED IN PLACE

APPENDIX I - COMPLETED CODE EXAMS

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DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	WDE REPORT NUMBER	OUTAGE REMARKS
2RCS*PRE21-B-06	BOLTING	VT92220	EXAMINED IN PLACE
2RCS*PRE21-B-07	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-08	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-09	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-10	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-11	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-12	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-13	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-14	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-15	BOLTING	VT92228	EXAMINED IN PLACE
2RCS*PRE21-B-16	BOLTING	VT92228	EXAMINED IN PLACE

\*\* ASME 17.4 NUMBER/EXAM CATEGORY: B07.030 B-G-2

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	WDE REPORT NUMBER	OUTAGE REMARKS
2RCS*SG21B-H-B01	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B02	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B03	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B04	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B05	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B06	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B07	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B08	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B09	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B10	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B11	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B12	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B13	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B14	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B15	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-H-B16	PRIMARY MANWAY BOLT (HOT LEG)	VT92197	
2RCS*SG21B-C-B01	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B02	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B03	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B04	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B05	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B06	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B07	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B08	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B09	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B10	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B11	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B12	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B13	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B14	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	

VT92197 DR QS1E-038. STUD AND NUT WERE REPLACED.

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
2RCS*SG21B-C-B15	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
2RCS*SG21B-C-B16	PRIMARY MANWAY BOLT (COLD LEG)	VT92197	
** ASME ITEM NUMBER/EXAM CATEGORY: B07.050 B-G-2			
* ISOMETRIC: 107414			
107414-MJ-01-B-1	PIPE BOLTING STUD BOLTS MJ-01	VT92242	
107414-MJ-01-B-2	PIPE BOLTING STUD BOLTS MJ-01	VT92242	
107414-MJ-01-B-3	PIPE BOLTING STUD BOLTS MJ-01	VT92242	
107414-MJ-01-B-4	PIPE BOLTING STUD BOLTS MJ-01	VT92242	
107414-MJ-01-B-5	PIPE BOLTING STUD BOLTS MJ-01	VT92242	
107414-MJ-01-B-6	PIPE BOLTING STUD BOLTS MJ-01	VT92242	
107414-MJ-01-B-7	PIPE BOLTING STUD BOLTS MJ-01	VT92242	
107414-MJ-01-B-8	PIPE BOLTING STUD BOLTS MJ-01	VT92242	
107414-MJ-02-B-1	PIPE BOLTING STUD BOLTS	VT92139	DR QS1E-026. BORIC ACID RESIDUE. CLEANED VT92242 AND SAT.
07414-MJ-02-B-2	PIPE BOLTING STUD BOLTS	VT92139	DR QS1E-026. BORIC ACID RESIDUE. CLEANED VT92242 AND SAT.
107414-MJ-02-B-3	PIPE BOLTING STUD BOLTS	VT92139	DR QS1E-026. BORIC ACID RESIDUE. CLEANED VT92242 AND SAT.
107414-MJ-02-B-4	PIPE BOLTING STUD BOLTS	VT92139	DR QS1E-026. BORIC ACID RESIDUE. CLEANED VT92242 AND SAT.
** ASME ITEM NUMBER/EXAM CATEGORY: B07.060 B-G-2			
* ISOMETRIC: RCSP21			
2RCS*P21A(S)-B01	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B02	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B03	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B04	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B05	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B06	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B07	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B08	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B09	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B10	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B11	SEAL HOUSING BOLT	VT92160	
2RCS*P21A(S)-B12	SEAL HOUSING BOLT	VT92160	
** ASME ITEM NUMBER/EXAM CATEGORY: B07.070 B-G-2			
* ISOMETRIC: 108207			
SIS-147-B-1 TO 18	2SIS-147 STUDS AND NUTS	VT92185	
2RHS-MOV720A-B-1 TO 18	2RHS-MOV720A STUDS AND NUTS	VT92181	EXAMINED IN PLACE

APPENDIX 1 - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
GVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
* ISOMETRIC: 110232 2RCS-MOV556A-B-7	2RCS-MOV556A STUDS AND NUTS	VT 82	DR OSIE-039. BORIC ACID RESIDUE. CLEANED VT92226 AND SAT.
* ISOMETRIC: 110233 2RCS-MOV556B-B-7	2RCS-MOV556B STUDS AND NUTS	VT92121	EXAMINED IN PLACE
* ISOMETRIC: 110237 2RCS-MOV586-B-7	2RCS-MOV586 STUDS AND NUTS	V-92119	EXAMINED IN PLACE
* ISOMETRIC: 1107107 2S1S-108-B-1 TO 16	2S1S-1" BOLTS	VT92108	
* ISOMETRIC: 110801 2S1S-550-B-1 TO 16	2S1S-550 BOLTS	VT92113	BOLTS INSPECTED IN PLACE
ISOMETRIC: 110802 2S1S-545-B-1 TO 16	2S1S-545 BOLTS	VT92136	EXAMINED IN PLACE
* ISOMETRIC: 110910 110910-MJ1-B-01	BOLTING FOR 2RCS*RV551A	VT92133	REPLACED- NDE REQUEST 810
110910-MJ1-B-02	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110910-MJ1-B-03	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110910-MJ1-B-04	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110910-MJ1-B-05	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110910-MJ1-B-06	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110910-MJ1-B-07	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110910-MJ1-B-08	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110910-MJ1-B-09	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110710-MJ1-B-10	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110910-MJ1-B-11	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
110910-MJ1-B-12	BOLTING FOR 2RCS*RV551A	VT92133	EXAMINED IN PLACE
2RCS*RV551A-B-01	VALVE BOLTING	VT92133	
2RCS*RV551A-B-02	VALVE BOLTING	VT92133	
2RCS*RV551A-B-03	VALVE BOLTING	VT92133	
2RCS*RV551A-B-04	VALVE BOLTING	VT92133	
2RCS*RV551A-B-05	VALVE BOLTING	VT92133	
2RCS*RV551A-B-06	VALVE BOLTING	VT92133	
2RCS*RV551A-B-07	VALVE BOLTING	VT92133	
2RCS*RV551A-B-08	VALVE BOLTING	VT92133	

\*\* ASME ITEM NUMBER/EXAM CATEGORY: B07.080 B-G-2

\* ISOMETRIC: REV21  
2RCS\*REV21-COMOSEAL-49      COMOSEAL ASST      VT92261

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
*****	*****	*****	*****
** ASME ITEM NUMBER/EXAM CATEGORY: B08.010 B-H			
* ISOMETRIC: REV21			
2RCS*RVH-LUG-2	RV HEAD LUG #2 120 DEG AXIS	MT92029	
2RCS*RVH-LUG-3	RV HEAD LUG #3 270 DEG AXIS	MT92029	
** ASME ITEM NUMBER/EXAM CATEGORY: B08.020 B-H			
* ISOMETRIC: PRE21			
2RCS*PRE21-C-B	SKIRT CIRC WELD	UT92082	
** ASME ITEM NUMBER/EXAM CATEGORY: B09.011 B-J			
* ISOMETRIC: 108207			
2S1S-071-F05	PIPE WELD	PT92066	ONLY PT COMPLETED
ISOMETRIC: 110227			
2RCS-006-F01	PIPE WELD	PT92032	ONLY PT COMPLETED
* ISOMETRIC: 110233			
2RCS-005-F02	PIPE WELD	PT92034	ONLY PT COMPLETED
2RCS-005-3-2	PIPE WELD	PT92034	ONLY PT COMPLETED
* ISOMETRIC: 110237			
2RCS-041-F502	PIPE WELD	UT92042	
2RCS-041-F503	PIPE WELD	PT92053	
2RCS-041-F504	PIPE WELD	UT92043	
		PT92053	
		UT92044	
		PT92053	
* ISOMETRIC: 110801			
2S1S-270-F02	PIPE WELD	UT92021	
		PT92025	
2S1S-270-F03	PIPE WELD	UT92019	
		PT92025	
2S1S-270-F04	PIPE WELD	UT92022	
		PT92025	
1S-270-F05	PIPE WELD	UT92023	
		PT92025	
2S1S-270-58	PIPE WELD	UT92024	
		PT92025	

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
2S1S-015-1A	PIPE WELD	UT92020 PT92025	
2S1S-015-F02	PIPE WELD	UT92018 PT92025	
* ISOMETRIC: 110802			
2S1S-266-F04	PIPE WELD	UT92034 PT92037	
2S1S-266-4B	PIPE WELD	UT92032 PT92037	
2S1S-266-4D	PIPE WELD	UT92033 PT92037	
2S1S-266-F05	PIPE WELD	UT92035	ONLY UT COMPLETED
2S1S-266-5C	PIPE WELD	UT92036	ONLY UT COMPLETED
2S1S-024-1A	PIPE WELD	UT92037	ONLY UT COMPLETED
2S1S-024-F02	PIPE WELD	UT92038	ONLY UT COMPLETED
ISOMETRIC: 110903			
2RCS-080-F503	PIPE WELD	UT92061 PT92067	
2RCS-080-F507	PIPE WELD	UT92062 PT92067	
2RCS-172-F510	PIPE WELD	UT92060 PT92067	
* ISOMETRIC: 110910			
2RCS-101-F01	PIPE WELD	UT92056 UT92068	
* ISOMETRIC: 110912			
2RCS-102-1A	PIPE WELD	UT92059 PT92069	
2RCS-102-1C	PIPE WELD	UT92058 PT92069	
2RCS-102-2A-A	PIPE WELD	UT92057 PT92069	
** ASME ITEM NUMBER/EXAM CATEGORY: B09.021 B-J			
* ISOMETRIC: 107009			
2RCS-047-2J	BUTT WELD	PT92028	
2RCS-047-2K	BUTT WELD	PT92028	
2RCS-047-F04	BUTT WELD	PT92028	
2RCS-045-7B-A	BUTT WELD	PT92028	
2RCS-045-F09	BUTT WELD	PT92028	



APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVP5 UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
* ISOMETRIC: 107010			
2RCS-042-8A	BUTT WELD	PT92030	
2RCS-042-8B	BUTT WELD	PT92030	
2RCS-042-8C	BUTT WELD	PT92030	
2RCS-042-8E	BUTT WELD	PT92030	
2RCS-042-FJ02	BUTT WELD	PT92030	
2RCS-042-8D	BUTT WELD	PT92030	
2RCS-042-F501	BUTT WELD	PT92030	
* ISOMETRIC: 107413			
2CHS-141-4R-C	BUTT WELD	PT92036	
2CHS-141-F103	BUTT WELD	PT92036	
2CHS-141-4E-D	BUTT WELD	PT92036	
2CHS-141-F404	BUTT WELD	PT92036	
2CHS-141-F406	BUTT WELD	PT92036	
2CHS-141-5B2-A	BUTT WELD	PT92038	
2CHS-141-5B2-B	BUTT WELD	PT92038	
* ISOMETRIC: 107414			
2CHS-097-F07	BUTT WELD	PT92040	
2CHS-097-F421	BUTT WELD	PT92040	
2CHS-097-F408	BUTT WELD	PT92040	
2CHS-097-7J	BUTT WELD	PT92040	
2CHS-097-F409	BUTT WELD	PT92040	
2CHS-097-7D	BUTT WELD	PT92040	
2CHS-097-7E	BUTT WELD	PT92040	
* ISOMETRIC: 110765			
2CHS-096-F502	BUTT WELD	PT92023	
2CHS-096-F507	BUTT WELD	PT92023	
2CHS-096-F503	BUTT WELD	PT92023	
2CHS-096-F512	BUTT WELD	PT92023	
** ASME ITEM NUMBER/EXAM CATEGORY: 809.032 B-J			
* ISOMETRIC: 110230			
2RCS-004-2-2	PIPE WELD	PT92035	
2RCS-004-2-1	PIPE WELD	PT92035	
** ASME ITEM NUMBER/EXAM CATEGORY: 809.040 B-J			
* ISOMETRIC: 107010			
2RCS-042-F02	SOCKET WELD	PT92029	
2RCS-042-F500	SOCKET WELD	PT92029	

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R KINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
* ISOMETRIC: 107414			
2CHS-097-F04	SOCKET WELD	PT92041	
2CHS-097-F05	SOCKET WELD	PT92041	
2CHS-097-F06	SOCKET WELD	PT92041	
* ISOMETRIC: 1107107			
2S1S-114-F02	SOCKET WELD	PT92021	
2S1S-156-F02	SOCKET WELD	PT92021	
2S1S-156-1B	SOCKET WELD	PT92021	
2S1S-156-1A	SOCKET WELD	PT92021	DR 051E-019, CLOSED OUT BY PT-026.
2S1S-156-F01	SOCKET WELD	PT92026	
* ISOMETRIC: 110765			
2CHS-096-F501	SOCKET WELD	PT92022	
* ASME ITEM NUMBER/EXAM CATEGORY: B12.050 B-M-2			
* ISOMETRIC: 110912			
2RCS-RV551-00-0010	VALVE BODY RV - 6"	VT92055	
** ASME ITEM NUMBER/EXAM CATEGORY: CC1.010 C-A			
* ISOMETRIC: CHSE23			
2CHS*E23-W-2	SHELL NO.1 CIRCUMFERENTIAL WELD # 2	VT92293	
2CHS*E23-W-3	SHELL NO.1 CIRCUMFERENTIAL WELD # 3	VT92293	
2CHS*E23-W-6	SHELL NO.2 CIRCUMFERENTIAL WELD # 6	VT92293	
2CHS*E23-W-7	SHELL NO.2 CIRCUMFERENTIAL WELD # 7	VT92293	
2CHS*E23-W-10	SHELL NO.3 CIRCUMFERENTIAL WELD #10	VT92293	
2CHS*E23-J-11	SHELL NO.3 CIRCUMFERENTIAL WELD #11	VT92293	
* ISOMETRIC: SG21			
2RCS*SG21B-C-03	SHELL CIRCUMFERENTIAL WELD # 3	UT92079	DATUM 0 TO DATUM 12
2RCS*SG21B-C-05	SHELL CIRCUMFERENTIAL WELD # 5	UT92080	DATUM 0 TO DATUM 12
2RCS*SG21C-C-06	SHELL CIRCUMFERENTIAL WELD # 6	UT92054	
** ASME ITEM NUMBER/EXAM CATEGORY: C01.020 C-A			
* ISOMETRIC: CHSTK22			
2CHS*TK22-W-1	CIRCUMFERENTIAL HEAD WELD # 1 (TOP HEAD)	UT92064	
2CHS*TK22-W-2	CIRCUMFERENTIAL HEAD WELD # 2 (BOTTOM)	PT92065	
ASME ITEM NUMBER/EXAM CATEGORY: C01.030 C-A			
* ISOMETRIC: SG21			
2RCS*SG21B-C-02	TUBESHEET-TO-SHELL WELD # 2	UT92078	DATUM 0 TO DATUM 12

APPENDIX 1 - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
** ASME ITEM NUMBER/EXAM CATEGORY: C02.021 C-B			
* ISOMETRIC: SG21			
2RCS*SG21A-W-10	NOZZLE-TO-HEAD WELD #10 (STEAM OUTLET)	U192074 M192015	
** ASME ITEM NUMBER/EXAM CATEGORY: C03.010 C-C			
* ISOMETRIC: SG21			
2RCS*SG21B-W5-1	TRUNNION WELD # 1WS	M192028	
2RCS*SG21B-W5-2	TRUNNION WELD # 2WS	M192028	
** ASME ITEM NUMBER/EXAM CATEGORY: C03.020 C-C			
* ISOMETRIC: 100213			
2MSS-039-FB12	WELDED ATTACHMENT FOR 2MSS-PSSP008A	PT92070	
2MSS-039-FB13	WELDED ATTACHMENT FOR 2MSS-PSSP008A	PT92070	
MSS-039-FB14	WELDED ATTACHMENT FOR 2MSS-PSSP008B	PT92070	
2MSS-039-FB15	WELDED ATTACHMENT FOR 2MSS-PSSP008B	PT92070	
2MCS-039-FB00	WELDED ATTACHMENT FOR 2MSS-PSSH001B	PT92071	
2MSS-039-FB01	WELDED ATTACHMENT FOR 2MSS-PSSH001A	PT92071	
2MSS-039-FB02	WELDED ATTACHMENT FOR 2MSS-PSSH001A	PT92071	
2MSS-039-FB03	WELDED ATTACHMENT FOR 2MSS-PSSH001B	PT92071	
* ISOMETRIC: 107933			
2QSS-001-FB01	WELDED ATTACHMENT FOR 2QSS-PSSH178A	PT92009	
2QSS-001-FB02	WELDED ATTACHMENT FOR 2QSS-PSSH178A	PT92009	
2QSS-001-FB03	WELDED ATTACHMENT FOR 2QSS-PSSH178B	PT92009	
2QSS-001-FB04	WELDED ATTACHMENT FOR 2QSS-PSSH178B	PT92009 DR QSIE-012 PT92075	
* ISOMETRIC: 107934			
2QSS-002-FB07	WELDED ATTACHMENT FOR 2QSS-PSR730	PT92078	
2QSS-002-FB08	WELDED ATTACHMENT FOR 2QSS-PSR730	PT92078	
2QSS-002-FB09	WELDED ATTACHMENT FOR 2QSS-PSR730	PT92078	
2QSS-002-FB10	WELDED ATTACHMENT FOR 2QSS-PSR730	PT92078	
2QSS-002-FB11	WELDED ATTACHMENT FOR 2QSS-PSR730	PT92078	
2QSS-002-FB12	WELDED ATTACHMENT FOR 2QSS-PSR730	PT92078	
2QSS-002-FB13	WELDED ATTACHMENT FOR 2QSS-PSR730	PT92078	
2QSS-002-FB14	WELDED ATTACHMENT FOR 2QSS-PSR730	PT92078	
* ISOMETRIC: 107951			
2RSS-011-FB25	WELDED ATTACHMENT FOR 2RSS-PSSH464A	PT92072	EXPANDED SCOPE EXAM. DR# QSIE-012. NDE REQUEST #803.
2RSS-011-FB26	WELDED ATTACHMENT FOR 2RSS-PSSH464A	PT92072	EXPANDED SCOPE EXAM. DR# QSIE-012. NDE REQUEST #803.

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
CVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
2RSS-011-F824	WELDED ATTACHMENT FOR 2RSS-PSSH464B	PT92072	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
2RSS-011-F827	WELDED ATTACHMENT FOR 2RSS-PSSH464B	PT92072	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
* ISOMETRIC: 107952			
2RSS-012-F831	WELDED ATTACHMENT FOR 2RSS-PSSH107	PT92074	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
2RSS-012-F832	WELDED ATTACHMENT FOR 2RSS-PSSH107	PT92074	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
2RSS-012-F833	WELDED ATTACHMENT FOR 2RSS-PSSH107	PT92074	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
2RSS-012-F834	WELDED ATTACHMENT FOR 2RSS-PSSH107	PT92074	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
* ISOMETRIC: 107962			
2RSS-001-F813	WELDED ATTACHMENT FOR 2RSS-PSSH137A	PT92073	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
2RSS-001-F814	WELDED ATTACHMENT FOR 2RSS-PSSH137A	PT92073	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
2RSS-001-F812	WELDED ATTACHMENT FOR 2RSS-PSSH137B	PT92073	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
2RSS-001-F815	WELDED ATTACHMENT FOR 2RSS-PSSH137B	PT92073	EXPANDED SCOPE EXAM. DR# Q51E-012. NDE REQUEST #803.
* ISOMETRIC: 1107124			
2S1S-011-F800	WELDED ATTACHMENT FOR 2S1S-PSSH087X	PT92015	
2S1S-011-F802	WELDED ATTACHMENT FOR 2S1S-PSSH087X	PT92015	
2S1S-011-F803	WELDED ATTACHMENT FOR 2S1S-PSSH087X	PT92015	
* ISOMETRIC: 1107125			
2S1S-164-F801	WELDED ATTACHMENT FOR 2S1S-PSST035A	PT92013	
2S1S-164-F802	WELDED ATTACHMENT FOR 2S1S-PSST035A	PT92013	
2S1S-164-F803	WELDED ATTACHMENT FOR 2S1S-PSST035A	PT92013	
2S1S-164-F804	WELDED ATTACHMENT FOR 2S1S-PSST035A	PT92013	
2S1S-164-F805	WELDED ATTACHMENT FOR 2S1S-PSST035B	PT92013	
2S1S-164-F806	WELDED ATTACHMENT FOR 2S1S-PSST035B	PT92013	
2S1S-164-F807	WELDED ATTACHMENT FOR 2S1S-PSST035B	PT92013	
2S1S-164-F808	WELDED ATTACHMENT FOR 2S1S-PSST035B	PT92013	
* ISOMETRIC: 1107129			
2S1S-010-F802	WELDED ATTACHMENT FOR 2S1S-PSSH121X	PT92011	
2S1S-010-F803	WELDED ATTACHMENT FOR 2S1S-PSSH121X	PT92011	
2S1S-010-F804	WELDED ATTACHMENT FOR 2S1S-PSSH121X	PT92011	
2S1S-010-F805	WELDED ATTACHMENT FOR 2S1S-PSSH121X	PT92011	

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
* ISOMETRIC: 110793			
2S1S-009-F802	WELDED ATTACHMENT FOR 2S1S-PSR371X	PT92027	
2S1S-009-F803	WELDED ATTACHMENT FOR 2S1S-PSR371X	PT92024	
2S1S-009-F804	WELDED ATTACHMENT FOR 2S1S-PSR371X	PT92024	
2S1S-009-F805	WELDED ATTACHMENT FOR 2S1S-PSR371X	PT92024	
2S1S-009-F806	WELDED ATTACHMENT FOR 2S1S-PSR371X	PT92024	
2S1S-009-F807	WELDED ATTACHMENT FOR 2S1S-PSR371X	PT92027	
2S1S-009-F808	WELDED ATTACHMENT FOR 2S1S-PSR371X	PT92027	
2S1S-009-F809	WELDED ATTACHMENT FOR 2S1S-PSR371X	PT92027	
** ASME ITEM NUMBER/EXAM CATEGORY: C05.011 C-F-1			
* ISOMETRIC: 107933			
20SS-1 -68	BUTT WELD	UT92008 PT92008	
ISOMETRIC: 107949			
4SS-003-F-512	BUTT WELD	UT92010 PT92006	
* ISOMETRIC: 107962			
2RSS-1 -2CA	BUTT WELD	PT92007	ONLY PT COMPLETED
* ISOMETRIC: 107968			
2RSS-009-F02	BUTT WELD	UT92051 PT92065	
* ISOMETRIC: 108112			
2S1S-9 -68	BUTT WELD	UT92006 PT92005	
2S1S-009-F09	BUTT WELD	UT92007 PT92005	
* ISOMETRIC: 1107124			
2S1S-11 -1A	BUTT WELD	UT92013 PT92016	
2S1S-11 -1B	BUTT WELD	UT92014 PT92016	
* ISOMETRIC: 1107125			
2S1S-164-2A	BUTT WELD	UT92015 PT92014	
* ISOMETRIC: 1107129			
2S1S-010-F501	BUTT WELD	UT92012	

APPENDIX 1 - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
 BVPS UNIT 2 1992 OUTAGE  
 3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
2515-010-F502	BUTT WELD	PT92012 UT92011 PT92012	
* ISOMETRIC: 1107130 2515-014-F02	BUTT WELD	UT92016 PT92017	
** ASME ITEM NUMBER/EXAM CATEGORY: C05.021 C-F-1			
* ISOMETRIC: 108302 2CHS-70 -7AB	BUTT WELD	UT92050 PT92064	
* ISOMETRIC: 108303 2CHS-72 -5A1F	BUTT WELD	PT92055	ONLY PT COMPLETED
* ISOMETRIC: 108304 2CHS-288-1A1BC	BUTT WELD	UT92047 PT92057	
* ISOMETRIC: 108307 2S15-09B-F504	BUTT WELD	UT92045 PT92056	
* ISOMETRIC: 103308 2CHS-B1 -1A-1A	BUTT WELD	UT92046 PT92058	
2CHS-B1 -3A	BUTT WELD	UT92048 PT92058	
* ISOMETRIC: 108309 2CHS-081-F04	BUTT WELD	UT92049 PT92054	
* ISOMETRIC: 108396 2CHS-350-1AA	BUTT WELD	UT92003 PT92002	
2CHS-069-F512	BUTT WELD	UT92001 PT92002	
2CHS-69 -5FE	BUTT WELD	UT92002 PT92002	
* ISOMETRIC: 108398 2CHS-71 -5FC	BUTT WELD	UT92004	

APPENDIX 1 - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
2CHS-071-F512	BUTT WELD	PT92003 UT92005 PT92003	
* ISOMETRIC: 109931 2S1S-94 -10E	BUTT WELD	UT92039 PT92048	
* ISOMETRIC: 109932 2S1S-94 -11A	BUTT WELD	UT92040	ONLY UT COMPLETED
* ISOMETRIC: 109941 2CHS-485-F403	BUTT WELD	UT92041 PT92049	
* ISOMETRIC: 110782 2S1S-101-9A	BUTT WELD	PT92039	ONLY PT COMPLETED
2S1S-101-9B	BUTT WELD	PT92039	ONLY PT COMPLETED
** ASME ITEM NUMBER/EXAM CATEGORY: C05.030 C-F-1			
* ISOMETRIC: 109944 2CHS-093-F02A	SOCKET WELD	PT92043	
2CHS-093-F03	SOCKET WELD	PT92043	
2CHS-93 -2A	SOCKET WELD	PT92043	
2CHS-93 -2B	SOCKET WELD	PT92043	
* ISOMETRIC: 109945 2CHS-095-F01	SOCKET WELD	PT92050	
2CHS-095-F504	SOCKET WELD	PT92050	
2CHS-95 -1B	SOCKET WELD	PT92050	
2CHS-95 -1C	SOCKET WELD	PT92050	
* ISOMETRIC: 110143 2S1S-109-7	SOCKET WELD	PT92018	
* ISOMETRIC: 110144 2S1S-260-6	SOCKET WELD	PT92020	
* ISOMETRIC: 110145 1S-261-F15	SOCKET WELD	PT92019	
1S-261-F16	SOCKET WELD	PT92019	

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
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\*\* ASME ITEM NUMBER/EXAM CATEGORY: C05.041 C-F-1

\* ISOMETRIC: 1107128  
2S1S-165-3A BRANCH CONW. WELD PT92010

\*\* ASME ITEM NUMBER/EXAM CATEGORY: B.E.Z. C-F-2

\* ISOMETRIC: 100218

2MSS-902-F01	BUTT WELD	UT92109
2MSS-902-F504	BUTT WELD	UT92106
2MSS-902-F500	BUTT WELD	UT92108
2MSS-902-F505	BUTT WELD	UT92110
2MSS-902-F501	BUTT WELD	UT92111
2MSS-902-F506	BUTT WELD	UT92107
2MSS-902-F502	BUTT WELD	UT92105
2MSS-903-F01	BUTT WELD	UT92093
MSS-903-F02	BUTT WELD	UT92094
2MSS-903-F500	BUTT WELD	UT92095
2MSS-903-F504	BUTT WELD	UT92096
2MSS-903-F501	BUTT WELD	UT92097
2MSS-903-F505	BUTT WELD	UT92098
2MSS-903-F507	BUTT WELD	UT92099
2MSS-904-F01	BUTT WELD	UT92100
2MSS-904-F500	BUTT WELD	UT92101
2MSS-904-F05	BUTT WELD	UT92102
2MSS-904-18B	BUTT WELD	UT92103
2MSS-904-F06A	BUTT WELD	UT92104

\* ISOMETRIC: 510206

2MSS-141-F1	SOCKET WELD	MT92036
2MSS-141-F19	SOCKET WELD	MT92036

\* ISOMETRIC: 510207

2MSS-137-F18	SOCKET WELD	MT92035
2MSS-137-F19	SOCKET WELD	MT92035
2MSS-139-F1	SOCKET WELD	MT92035
2MSS-139-F17	SOCKET WELD	MT92035

\* ISOMETRIC: 510364

2MSS-920-F1	SOCKET WELD	MT92038
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\*\* ASME ITEM NUMBER/EXAM CATEGORY: C05.051 C-F-2

\* ISOMETRIC: 100204

2VS-174-F500	BUTT WELD	UT92113
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APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
* ISOMETRIC: 100207			
2MSS-170-F01	BUTT WELD	UT92143	
2MSS-170-F02	BUTT WELD	UT92144	
2MSS-170-F03	BUTT WELD	UT92145	
2MSS-041-F01	BUTT WELD	UT92146	
2MSS-041-F02	BUTT WELD	UT92147	
2MSS-106-1A1B	BUTT WELD	UT92141	
2MSS-106-1A1G	BUTT WELD	UT92128	
2MSS-106-1A1F	BUTT WELD	UT92127	
2MSS-106-1A1E	BUTT WELD	UT92126	
2MSS-106-1A1D	BUTT WELD	UT92125	
2MSS-106-1A1C	BUTT WELD	UT92124	
2MSS-106-F500	BUTT WELD	UT92142	
		MT92039	
* ISOMETRIC: 100213			
2MSS-39 -3AA	BUTT WELD	UT92069	
		MT92013	
* ISOMETRIC: 101702			
2FWS-012-F03	BUTT WELD	UT92068	
		MT92012	
2FWS-12 -2B	BUTT WELD	UT92067	
		MT92012	
* ISOMETRIC: 101704			
2FWS-17 -2A	BUTT WELD	UT92072	
		MT92011	
2FWS-017-F07	BUTT WELD	UT92063	
		MT92011	
** ASME ITEM NUMBER/EXAM CATEGORY: C05.052 C-F-2			
* ISOMETRIC: 100213			
2MSS-39 -2A-L02	LONGITUDINAL WELD	UT92071	
		MT92014	
2MSS-39 -5A-L03	LONGITUDINAL WELD	UT92070	
		MT92014	
** ASME ITEM NUMBER/EXAM CATEGORY: C05.081 C-F-2			
* ISOMETRIC: 100207			
2MSS-170-3B	BRANCH CONN. WELD	MT92034	
** ASME ITEM NUMBER/EXAM CATEGORY: D02.020 D-B			

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	WDE REPORT NUMBER *****	OUTAGE REMARKS *****
* ISOMETRIC: 101601 2FWE-076-F-800	WELDED ATTACHMENT FOR 2FWE-PSA020Y	VT92050	
* ISOMETRIC: 101602 2FWE-004-F-800	WELDED ATTACHMENT FOR 2FWE-PSA217S	VT92125	
* ISOMETRIC: 101604 2FWE-073-F-800 2FWE-073-F-801 2FWE-073-F-802 2FWE-073-F-803	WELDED ATTACHMENT FOR 2FWE-PSR024Y WELDED ATTACHMENT FOR 2FWE-PSR024Y WELDED ATTACHMENT FOR 2FWE-PSR024Y WELDED ATTACHMENT FOR 2FWE-PSR024Y	VT92190 VT92190 VT92190 VT92190	
* ISOMETRIC: 101605 2FWE-003-F-800	WELDED ATTACHMENT FOR 2FWE-PSA252S	VT92124	
* ISOMETRIC: 101606 2FWE-007-F-804 2FWE-007-F-805 2FWE-007-F-806 2FWE-007-F-807	WELDED ATTACHMENT FOR 2FWE-PSR015Y WELDED ATTACHMENT FOR 2FWE-PSR015Y WELDED ATTACHMENT FOR 2FWE-PSR015Y WELDED ATTACHMENT FOR 2FWE-PSR015Y	VT92043 VT92043 VT92043 VT92043	
* ISOMETRIC: 101607 2FWE-007-F-800	WELDED ATTACHMENT FOR 2FWE-PSA014Y	VT92044	
* ISOMETRIC: 101608 2FWE-007-F-803 2FWE-007-F-802	WELDED ATTACHMENT FOR 2FWE-PSA011Y WELDED ATTACHMENT FOR 2FWE-PSA009Y	VT92045 VT92045	
* ISOMETRIC: 101609 2FWE-145-F-806 2FWE-145-F-800 2FWE-145-F-801 2FWE-145-F-802 2FWE-145-F-803 2FWE-145-F-804 2FWE-145-F-805	WELDED ATTACHMENT FOR 2FWE-PSA018Y WELDED ATTACHMENT FOR 2FWE-PSR060Y WELDED ATTACHMENT FOR 2FWE-PSR060Y WELDED ATTACHMENT FOR 2FWE-PSR062Y WELDED ATTACHMENT FOR 2FWE-PSR062Y WELDED ATTACHMENT FOR 2FWE-PSR062Y WELDED ATTACHMENT FOR 2FWE-PSR062Y	VT92025 VT92025 VT92025 VT92025 VT92025 VT92025 VT92025	
* ISOMETRIC: 101610 2FWE-009-F-800	WELDED ATTACHMENT FOR 2FWE-PSA004Y	VT92046	
* ISOMETRIC: 101611 2FWE-009-F-801	WELDED ATTACHMENT FOR 2FWE-PSA008Y	VT92047	
* ISOMETRIC: 101615 2FWE-104-F-800	WELDED ATTACHMENT FOR 2FWE-PSA026Y	VT92051	



APPENDIX 1 - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
2CCP-431-F-800	WELDED ATTACHMENT FOR 2CCP-PSA001	VT92032	
* ISOMETRIC: 107218			
2CCP-327-F-502	WELDED ATTACHMENT FOR 2CCP-PSR024	VT92037	
2CCP-327-F-503	WELDED ATTACHMENT FOR 2CCP-PSR024	VT92037	
2CCP-327-F-504	WELDED ATTACHMENT FOR 2CCP-PSR024	VT92037	
2CCP-327-F-505	WELDED ATTACHMENT FOR 2CCP-PSR024	VT92037	
* ISOMETRIC: 107219			
2CCP-323-F-800	WELDED ATTACHMENT FOR 2CCP-PSA021	VT92031	
2CCP-323-F-801	WELDED ATTACHMENT FOR 2CCP-PSA021	VT92031	
2CCP-323-F-802	WELDED ATTACHMENT FOR 2CCP-PSA021	VT92031	
2CCP-323-F-803	WELDED ATTACHMENT FOR 2CCP-PSA021	VT92031	
2CCP-323-F-804	WELDED ATTACHMENT FOR 2CCP-PSA021	VT92031	
2CCP-323-F-805	WELDED ATTACHMENT FOR 2CCP-PSA021	VT92031	
2CCP-432-F-500	WELDED ATTACHMENT FOR 2CCP-PSA019	VT92031	
CCP-432-F-501	WELDED ATTACHMENT FOR 2CCP-PSA019	VT92031	
* ISOMETRIC: 107225			
2CCP-456-F-500	WELDED ATTACHMENT FOR 2CCP-PSA065	VT92028	
2CCP-456-F-800	WELDED ATTACHMENT FOR 2CCP-PSA065	VT92028	
2CCP-456-F-801	WELDED ATTACHMENT FOR 2CCP-PSA065	VT92028	
* ISOMETRIC: 107226			
2CCP-460-F-805	WELDED ATTACHMENT FOR 2CCP-PSA062	VT92030	
* ISOMETRIC: 107702			
2CCP-326-F-800	WELDED ATTACHMENT FOR 2CCP-PSR308	VT92033	
2CCP-326-F-801	WELDED ATTACHMENT FOR 2CCP-PSR308	VT92033	
2CCP-326-F-802	WELDED ATTACHMENT FOR 2CCP-PSR308	VT92033	
2CCP-326-F-803	WELDED ATTACHMENT FOR 2CCP-PSR308	VT92033	
* ISOMETRIC: 107703			
2CCP-324-F-800	WELDED ATTACHMENT FOR 2CCP-PSR306	VT92034	
2CCP-324-F-801	WELDED ATTACHMENT FOR 2CCP-PSR306	VT92034	
2CCP-324-F-802	WELDED ATTACHMENT FOR 2CCP-PSR306	VT92034	
2CCP-324-F-803	WELDED ATTACHMENT FOR 2CCP-PSR306	VT92034	
* ISOMETRIC: 107704			
2CCP-327-F-803	WELDED ATTACHMENT FOR 2CCP-PSR312	VT92035	
2CCP-327-F-804	WELDED ATTACHMENT FOR 2CCP-PSR312	VT92035	
2CCP-327-F-805	WELDED ATTACHMENT FOR 2CCP-PSR312	VT92035	
2CCP-327-F-806	WELDED ATTACHMENT FOR 2CCP-PSR312	VT92035	
* ISOMETRIC: 107705			
2CCP-325-F-801	WELDED ATTACHMENT FOR 2CCP-PSR310	VT92036	

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
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COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	WDE REPORT NUMBER *****	OUTAGE REMARKS *****
2CCP-325-F-802	WELDED ATTACHMENT FOR 2CCP-PSR310	VT92036	
2CCP-325-F-803	WELDED ATTACHMENT FOR 2CCP-PSR310	VT92036	
2CCP-325-F-804	WELDED ATTACHMENT FOR 2CCP-PSR310	VT92036	
* ISOMETRIC: 173901			
2HVC-001-FB00	WELDED ATTACHMENT FOR 2HVC-PSA001	VT92026	
2HVC-001-FB01	WELDED ATTACHMENT FOR 2HVC-PSA001	VT92026	
2HVC-002-FB00	WELDED ATTACHMENT FOR 2HVC-PSA002	VT92026	
2HVC-002-FB01	WELDED ATTACHMENT FOR 2HVC-PSA002	VT92026	
* ISOMETRIC: RHSE22			
2RHS*E22A-W-1	SADDLE SUPPORT ATTACHMENT	VT92126	
** ASME ITEM NUMBER/EXAM CATEGORY: D02.030 D-B			
* ISOMETRIC: 101606			
2FWE-151-F-800	WELDED ATTACHMENT FOR 2FWE-PSSP354A	VT92053	
2FWE-151-F-801	WELDED ATTACHMENT FOR 2FWE-PSSP354B	VT92053	
** ASME ITEM NUMBER/EXAM CATEGORY: F01.010 F-A			
* ISOMETRIC: CHSTK22			
2CHS*TK22-SUPP-1	SUPPORT NO. 1	VT92183	
2CHS*TK22-SUPP-2	SUPPORT NO. 2	VT92183	
2CHS*TK22-SUPP-3	SUPPORT NO. 3	VT92183	
2CHS*TK22-SUPP-4	SUPPORT NO. 4	VT92183	
** ASME ITEM NUMBER/EXAM CATEGORY: F01.030 F-A			
* ISOMETRIC: CHSP21			
2CHS*E25A-SUPP	SUPPORT	VT92002	
2CHS*P21A-SUPP	SUPPORT	VT92002	
* ISOMETRIC: CHSTK22			
2CHS*TK22-WS-1	SUPPORT NO. 1 - PLATE TO SUPPORT WELD #	VT92184	
2CHS*TK22-WS-2	SUPPORT NO. 2 - PLATE TO SUPPORT WELD #	VT92184	
2CHS*TK22-WS-3	SUPPORT NO. 3 - PLATE TO SUPPORT WELD #	VT92184	
2CHS*TK22-WS-4	SUPPORT NO. 4 - PLATE TO SUPPORT WELD #	VT92184	
* ISOMETRIC: RHSE22			
2RHS*E22A-SPT-1	SADDLE STRUCT SUPT	VT92126	
ASME ITEM NUMBER/EXAM CATEGORY: F03.020 F-C			
* ISOMETRIC: 107225			
2CCP-PSA065	SUPPORT	VT92028	

APPENDIX 1 - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
* ISOMETRIC: 108301 2CH5-PSR261Y	SUPPORT	VT92039	
* ISOMETRIC: 108318 2CH5-PSA083	SUPPORT	VT92173	
* ISOMETRIC: 108396 2CH5-PSST273Y	SUPPORT	VT92003	
* ISOMETRIC: 410772 2CH5-PSR058C	SUPPORT	VT92042	
2CH5-PSR059C	SUPPORT	VT92042	
2CH5-PSR060C	SUPPORT	VT92042	
** ASME ITEM NUMBER/EXAM CATEGORY: F03.030 F-C			
ISOMETRIC: 100206 MSS-PSST101A	SUPPORT	VT92189	
2MSS-PSST101B	SUPPORT	VT92189	
* ISOMETRIC: 107206 2CCP-PSRU68	SUPPORT	VT92029	
* ISOMETRIC: 107215 2CCP-PSR041	SUPPORT	VT92022	
2CCP-PSR042	SUPPORT	VT92022	
* ISOMETRIC: 107216 2CCP-PSR005	SUPPORT	VT92023	
* ISOMETRIC: 107217 2CCP-PSR016	SUPPORT	VT92032	
2CCP-PSA014	SUPPORT	VT92032	
2CCP-PSR002	SUPPORT	VT92032	
2CCP-PSA001	SUPPORT	VT92032	
* ISOMETRIC: 107218 2CCP-PSR024	SUPPORT	VT92037	
* ISOMETRIC: 107219 2CCP-PSA021	SUPPORT	VT92031	
2CCP-PSA019	SUPPORT	VT92031	
* ISOMETRIC: 107702 2CCP-PSR308	SUPPORT	VT92033	

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
* ISOMETRIC: 107703 2CCP-PSR306	SUPPORT	VT92034	
* ISOMETRIC: 107704 2CCP-PSR312	SUPPORT	VT92035	
* ISOMETRIC: 107705 2CCP-PSR310	SUPPORT	VT92036	
* ISOMETRIC: 108301 2CHS-PSR145	SUPPORT	VT92163	
2CHS-PSR146	SUPPORT	VT92163	
2CHS-PSR225	SUPPORT	VT92163	
* ISOMETRIC: 108302 2CHS-PSR260Y	SUPPORT	VT92040	
2CHS-PSR226	SUPPORT	VT92175	
2CHS-PSR147	SUPPORT	VT92175	
2CHS-PSA148	SUPPORT	VT92175	
* ISOMETRIC: 108303 2CHS-PSR258Y	SUPPORT	VT92041	
2CHS-PSA257Y	SUPPORT	VT92180	
2CHS-PSR151	SUPPORT	VT92180	
* ISOMETRIC: 108315 2CHS-PSR285F	SUPPORT	VT92011	
2CHS-PSR286F	SUPPORT	VT92011	
2CHS-PSA290F	SUPPORT	VT92165	
2CHS-PSR321F	SUPPORT	VT92165	
* ISOMETRIC: 108316 2CHS-PSR299F	SUPPORT	VT92007	
2CHS-PSR300F	SUPPORT	VT92007	
2CHS-PSA298F	SUPPORT	VT92166	
* ISOMETRIC: 108317 2CHS-PSR288F	SUPPORT	VT92001	
2CHS-PSR287F	SUPPORT	VT92001	
2CHS-PSA289F	SUPPORT	VT92166	
* ISOMETRIC: 108318 2CHS-PSR156	SUPPORT	VT92174	
2CHS-PSA155	SUPPORT	VT92174	
2CHS-PSR224	SUPPORT	VT92174	
2CHS-PSR089Y	SUPPORT	VT92174	

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
* ISOMETRIC: 108396			
2CHS-PSR275Y	SUPPORT	VT92004	
2CHS-PSR274Y	SUPPORT	VT92004	
2CHS-PSR256Y	SUPPORT	VT92004	
* ISOMETRIC: 108397			
2CHS-PSS1277Y	SUPPORT	VT92008	
2CHS-PSR278Y	SUPPORT	VT92008	
2CHS-PSR276Y	SUPPORT	VT92008	
2CHS-PSR255Y	SUPPORT	VT92008	
* ISOMETRIC: 108398			
2CHS-PSS1281Y	SUPPORT	VT92012	
2CHS-PSR280Y	SUPPORT	VT92012	
2CHS-PSR279Y	SUPPORT	VT92012	
2CHS-PSR254Y	SUPPORT	VT92012	
ISOMETRIC: 410313			
2CHS-PSR079C	SUPPORT	VT92038	
2CHS-PSR080C	SUPPORT	VT92038	
2CHS-PSR081C	SUPPORT	VT92038	
** ASME ITEM NUMBER/EXAM CATEGORY: F03.050 F-C			
* ISOMETRIC: 100202			
2SVS-PSSH010A	SUPPORT	VT92156	
2SVS-PSSH010B	SUPPORT	VT92156	
* ISOMETRIC: 100203			
2SVS-PSSH018	SUPPORT	VT92161	
* ISOMETRIC: 100204			
2SVS-PSSH026	SUPPORT	VT92158	
* ISOMETRIC: 100206			
2MSS-PSSH102	SUPPORT	VT92170	
* ISOMETRIC: 100207			
2MSS-PSSH123	SUPPORT	VT92171	DR Q51E-032. SETTING IS SAT.
* ISOMETRIC: 100216			
2SVS-PSSH66C	SUPPORT	VT92155	
SVS-PSSH657	SUPPORT	VT92155	DR Q51E-031. SETTING IS SAT.
* ISOMETRIC: 101704			
2FWS-PSSH006	SUPPORT	VT92201	DR Q51E-037. SETTING IS SAT.



APPENDIX 1 - COMPLETED CODE EXAMS

DUNESNE LIGHT COMPANY  
BVG UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
*****	*****	*****	*****
2FWS-PSSH005	SUPPORT	VT92275 VT92201	
* ISOMETRIC: 107009 2RCS-PSSH045	SUPPORT	VT92129	DR QS1E-023. SETTINGS WERE SAT. PER 02 DRAWING
2RCS-PSSH043	SUPPORT	VT92129	
2RCS-PSSH052	SUPPORT	VT92129	
* ISOMETRIC: 107010 2RCS-PSSH085X	SUPPORT	VT92135	
2RCS-PSSH086X	SUPPORT	VT92135	
* ISOMETRIC: 107014 2RCS-PSSH049	SUPPORT	VT92120	
2RCS-PSSH052X	SUPPORT	VT92120	
2RCS-PSSH050	SUPPORT	VT92120	
* ISOMETRIC: 107015 2RCS-PSSH028X	SUPPORT	VT92134	
2RCS-PSSH027X	SUPPORT	VT92134	
* ISOMETRIC: 107122 2RHS-PSSH514X	SUPPORT	VT92131	DR QS1E-025
2RHS-PSSH513X	SUPPORT	VT92131	
* ISOMETRIC: 107413 2CHS-PSSH021	SUPPORT	VT92140	
2CHS-PSSH020A	SUPPORT	VT92140	
2CHS-PSSH020B	SUPPORT	VT92140	
* ISOMETRIC: 107414 2CHS-PSSH029	SUPPORT	VT92143	
2CHS-PSSH026	SUPPORT	VT92143	DR QS1E-027. SETTING IS SAT.
* ISOMETRIC: 107933 2QSS-PSSH178B	SUPPORT	VT92084	
* ISOMETRIC: 107934 2QSS-PSSH199A	SUPPORT	VT92188	
2QSS-PSSH199B	SUPPORT	VT92188	
* ISOMETRIC: 107949 2RSS-PSSH101	SUPPORT	VT92077	

APPENDIX I - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
*****	*****	*****	*****
* ISOMETRIC: 107951			
2RSS-PSSH464A	SUPPORT	VT92178	
2RSS-PSSH464B	SUPPORT	VT92178	
* ISOMETRIC: 107962			
2RSS-PSSH137A	SUPPORT	VT92081	
2RSS-PSSH137B	SUPPORT	VT92081	
2RSS-PSSH146A	SUPPORT	VT92081	
2RSS-PSSH146B	SUPPORT	VT92081	
* ISOMETRIC: 107963			
2RSS-PSSH140Y	SUPPORT	VT92100	
* ISOMETRIC: 107965			
2RSS-PSSH132V	SUPPORT	VT92095	
ISOMETRIC: 107966			
2RSS-PSSH135Y	SUPPORT	VT92097	
* ISOMETRIC: 107968			
2RSS-PSSH122Y	SUPPORT	VT92094	
* ISOMETRIC: 107971			
2RSS-PSSH127Y	SUPPORT	VT92099	
* ISOMETRIC: 107972			
2RSS-PSSH130Y	SUPPORT	VT92080	
* ISOMETRIC: 110237			
2RCS-PSSH005	SUPPORT	VT92122 DR QS1E-021. SETTING IS SAT. VT92215	
* ISOMETRIC: 1107124			
2S1S-PSSH087X	SUPPORT	VT92105	
* ISOMETRIC: 1107139			
2RCS-PSSH057	SUPPORT	VT92137	
* ISOMETRIC: 110765			
2CHS-PSSH27B	SUPPORT	VT92107 DR QS1E-020. SETTINGS ARE SAT. PER BZ DRAWING.	
ISOMETRIC: 110907			
2RCS-PSSH905A	SUPPORT	VT92116	
2RCS-PSSH905B	SUPPORT	VT92116	

APPENDIX 1 - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
* ISOMETRIC: 110908			
2RCS-PSSH035A	SUPPORT	VT92230	
2RCS-PSSH035B	SUPPORT	VT92230	
** ASME ITEM NUMBER/EXAM CATEGORY: 1WF F-C			
* ISOMETRIC: 100202			
2SVS-PSR011	SUPPORT	VT92157	
* ISOMETRIC: 100204			
2SVS-PSR027	SUPPORT	VT92158	
* ISOMETRIC: 100207			
2HSS-PSST122A	SUPPORT	VT92162	
2HSS-PSST122B	SUPPORT	VT92162	
* ISOMETRIC: 101601			
WE-PSA020Y	SUPPORT	VT92050	
* ISOMETRIC: 101602			
2FWE-PSA217S	SUPPORT	VT92125	
* ISOMETRIC: 101605			
2FWE-PSA252S	SUPPORT	VT92124	
* ISOMETRIC: 101606			
2FWE-PSR015Y	SUPPORT	VT92043	
* ISOMETRIC: 101608			
2FWE-PSA011Y	SUPPORT	VT92045	
2FWE-PSA009Y	SUPPORT	VT92045	
* ISOMETRIC: 101609			
2FWE-PSA018Y	SUPPORT	VT92027	
2FWE-PSR060Y	SUPPORT	VT92027	
2FWE-PSR062Y	SUPPORT	VT92027	
* ISOMETRIC: 101610			
2FWE-PSA004Y	SUPPORT	VT92046	
* ISOMETRIC: 101611			
2FWE-PSA008Y	SUPPORT	VT92047	
* ISOMETRIC: 101615			
2FWE-PSA026Y	SUPPORT	VT92051	

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APPENDIX 1 - COMPLETED CODE EXAMS

EDUCESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
* ISOMETRIC: 101616 2FWE-PSA025Y	SUPPORT	VT92052	
* ISOMETRIC: 101622 2FWE-PSA355X	SUPPORT	VT92048	
* ISOMETRIC: 101624 2FWE-PSA357X	SUPPORT	VT92049	
* ISOMETRIC: 101702 2FWS-PSR003	SUPPORT	VT92200	
* ISOMETRIC: 107009 2RCS-PSR044 2RCS-PSR650 2RCS-PSR651	SUPPORT SUPPORT SUPPORT	VT92117 VT92117 VT92117	
ISOMETRIC: 107014 2RCS-PSR089X 2RCS-PSR068X 2RCS-PSR051	SUPPORT SUPPORT SUPPORT	VT92115 VT92115 VT92115	
* ISOMETRIC: 107122 2RHS-PSST517X  2RHS-PSST516X 2RHS-PSA512X	SUPPORT  SUPPORT SUPPORT	  VT92130 VT92130 VT92130	  VT92130 DR QSIE-024. GIR Q922649 - NUT WAS Q922649 REPLACED
* ISOMETRIC: 107413 2CHS-PSST010	SUPPORT	VT92141	
* ISOMETRIC: 107414 2CHS-PSST027 2CHS-PSR665	SUPPORT SUPPORT	VT92118 VT92118	
* ISOMETRIC: 107932 2QSS-PSST174A  2QSS-PSST174B	SUPPORT  SUPPORT	  VT92191 VT92266 VT92191 VT92266	  VT92191 DR QSIE-034. ACCEPT AS IS. VT92191 DR QSIE-035. ACCEPT AS IS.
* ISOMETRIC: 107933 2SS-PSST167X	SUPPORT	VT92088	
* ISOMETRIC: 107934 2QSS-PSR195X	SUPPORT	VT92187	

APPENDIX I - COMPLETED CUJE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	REPORT NUMBER *****	OUTAGE REMARKS *****
2QSS-PSR730	SUPPORT	VT92176	
2LSS-PSR732	SUPPORT	VT92176	
2QSS-PSST198X	SUPPORT	VT92187	
2QSS-PSST1719	SUPPORT	VT92187	
* ISOMETRIC: 107949 2RSS-PSR102	SUPPORT	VT92078	
* ISOMETRIC: 107961 2RSS-PSST585	SUPPORT	VT92092	
* ISOMETRIC: 107962 2RSS-PSR138Y	SUPPORT	VT92082	
* ISOMETRIC: 107964 2RSS-PSR131Y	SUPPORT	VT92087	
ISOMETRIC: 107965 RSS-PSR133Y	SUPPORT	VT92096	
2RSS-PSR145Y	SUPPORT	VT92096	
* ISOMETRIC: 107967 2RSS-PSR121Y	SUPPORT	VT92086	
* ISOMETRIC: 107968 2RSS-PSR123Y	SUPPORT	VT92093	
2RSS-PSR147Y	SUPPORT	VT92093	
* ISOMETRIC: 107970 2RSS-PSR126Y	SUPPORT	VT92177	
* ISOMETRIC: 107971 2RSS-PSR128Y	SUPPORT	VT92098	
2RSS-PSR148X	SUPPORT	VT92098	
* ISOMETRIC: 108112 2S1S-PSST607	SUPPORT	VT92079	
* ISOMETRIC: 1107125 2S1S-PSST035A	SUPPORT	VT92103	
2S1S-PSST035B	SUPPORT	VT92103	
* ISOMETRIC: 1107139 ICS-PSA058	SUPPORT	VT92137	

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1/92 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
* ISOMETRIC: 1107175			
2CHS-PSR781	SUPPORT	VT92150	
2CHS-PSR679	SUPPORT	VT92050	
* ISOMETRIC: 110768			
2CHS-PSR694	SUPPORT	VT92123	
2CHS-PSR1120	SUPPORT	VT92123	
2CHS-PSR001A	SUPPORT	VT92123	
2CHS-PSR002	SUPPORT	VT92123	
2CHS-PSR003	SUPPORT	VT92123	
* ISOMETRIC: 110771			
2DGS-PSST840A	SUPPORT	VT92112	
2DGS-PSST840B	SUPPORT	VT92112	
2DGS-PSR114	SUPPORT	VT92112	
2DGS-PSR113	SUPPORT	VT92112	
2DGS-PSR112	SUPPORT	VT92112	
2DGS-PSA591H	SUPPORT	VT92112	
2DGS-PSR110	SUPPORT	VT92112	
2DGS-PSR109	SUPPORT	VT92112	
2DGS-PSR108	SUPPORT	VT92112	
2DGS-PSR107	SUPPORT	VT92112	
2DGS-PSR106	SUPPORT	VT92114	
2DGS-PSR105	SUPPORT	VT92114	
2DGS-PSR104	SUPPORT	VT92114	
2DGS-PSR103	SUPPORT	VT92114	
* ISOMETRIC: 110772			
2DGS-PSR053	SUPPORT	VT92109	
2DGS-PSR092	SUPPORT	VT92109	
2DGS-PSA669X	SUPPORT	VT92109	
2DGS-PSR094	SUPPORT	VT92109	
2DGS-PSR095	SUPPORT	VT92109	
2DGS-PSR096	SUPPORT	VT92109	
2DGS-PSR097	SUPPORT	VT92109	
2DGS-PSR098	SUPPORT	VT92109	
2DGS-PSR099	SUPPORT	VT92109	
2DGS-PSR100	SUPPORT	VT92109	
2DGS-PSR101	SUPPORT	VT92109	
2DGS-PSA102	SUPPORT	VT92109	
* ISOMETRIC: 110903			
2RCS-PSR026	SUPPORT	VT92198	
2RCS-PSST027	SUPPORT	VT92198	
2RCS-PSST028	SUPPORT	VT92198	

APPEND 1 - COMPLETED CODE EXAMS

DUQUESNE LIGHT COMPANY  
BVPS UNIT 2 1992 OUTAGE  
30 NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
* ISOMETRIC: 110908 2RCS-PSR036	SUPPORT	VT92231	
* ISOMETRIC: 510070 2SDS-PSR104R	SUPPORT	VT92168	
2SDS-PSR105R	SUPPORT	VT92168	
2SDS-PSR106R	SUPPORT	VT92168	
2SDS-PSR107R	SUPPORT	VT92168	
2SDS-PSR108R	SUPPORT	VT92168	
2SDS-PSA027R	SUPPORT	VT92168	
2SDS-PSR025R	SUPPORT	VT92168	
2SDS-PSR018R	SUPPORT	VT92168	
* ISOMETRIC: 510210 2SDS-PSR103R	SUPPORT	VT92167	
2SDS-PSR102R	SUPPORT	VT92167	
2SDS-PSR101R	SUPPORT	VT92244	
2SDS-PSA026R	SUPPORT	VT92167	
2SDS-PSR026R	SUPPORT	VT92167	
2SDS-PSR019R	SUPPORT	VT92167	
* ISOMETRIC: 510219 2SDS-PSR135R	SUPPORT	VT92245	
2SDS-PSR136R	SUPPORT	VT92245	
2SDS-PSR134R	SUPPORT	VT92245	
2SDS-PSR137R	SUPPORT	VT92245	
2SDS-PSR013R	SUPPORT	VT92245	

APPENDIX II



PAGE NO. 1  
07/14/92

AP... X 11 - BASELINE EXAMS

DUQUESNE LIGHT COMPANY  
BVP5 UNIT 2 1992 OUTAGE  
3R NINETY DAY REPORT

COMPONENT IDENTIFICATION *****	COMPONENT DESCRIPTION *****	NDE REPORT NUMBER *****	OUTAGE REMARKS *****
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\*\* ASME ITEM NUMBER/EXAM CATEGORY: R07.070 B-G-2

\* ISOMETRIC: 110910  
110910-MJ1-B-01

BOLTING FOR 2RCS\*RV551A

VT92133 REPLACED- NDE REQUEST B10

\*\* ASME ITEM NUMBER/EXAM CATEGORY: B07.030 B-G-2

\* ISOMETRIC: SG21  
2RCS\*SG21B-C-B12

PRIMARY MANWAY BOLT (COLD LEG)

VT92197 DR 051E-038. STUD AND NUT WERE REPLACED.  
VT92209

APPENDIX III

LINSAT SUMMARY  
UNIT 2 3R

COMPONENT *****	REJECTING OR REPORT NUMBER *****	DESCRIPTION *****	MWR NUMBER *****	CLOSING DOCUMENT *****
20SS-001-FB04	PT-92-009 QSIE-012	LINEAR INDICATIONS ON WELDED LUG	8043	PT-92-075
2SIS-156-1A	PT-92-091 QSIE-019	CURVILINEAR INDICATION ON SOCKET BODY (NOT ON THE WELD).	8083	PT-92-26
2CHS-PSSH278 (EAST CAN)	VT-92-107 QSIE-020	SPRING CAN SETTING IS 115#. SHOULD BE 83#.	N/A	QSIE-020
2RCS-PSSH005	VT-92-122 QSIE-021	SPRING CAN SETTING IS 3120#. SHOULD BE 4036#.	N/A	JJG MEMO
107414-MJ-01	VT-92-128 QSIE-022	BORIC ACID RESIDUE.	8462	QSIE-021
2RCS-PSSH045	VT-92-129 QSIE-023	SPRING CAN SETTING IS 223#. SHOULD BE 196#.	N/A	QSIE-023
2RHS-PSS1517X	VT-92-130 QSIE-024	FORGING LAP ON NUT.	8458	GIR0922649
2RHS-P6-H514X	VT-92-131 QSIE-025	SPRING CAN SETTING IS 5292#. SHOULD BE 5946#.	N/A	QSIE-025
4J-02-B1, B2, B3, B4	VT-92-139 QSIE-026	BORIC ACID RESIDUE.	8464	QSIE-026
2CHS-PSSH026	VT-92-143 QSIE-027	SPRING CAN SETTING IS 83#. SHOULD BE 220#.	N/A	QSIE-027
2SVS-PSSH657	VT-92-155 QSIE-031	SPRING CAN SETTING IS 805#. SHOULD BE 1027#.	N/A	QSIE-031
2MSS-PSSH123	VT-92-171 QSIE-032	SPRING CAN SETTING IS 30,000*#. SHOULD 22,063#.	N/A	QSIE-032
2QSS-PSS1174A	VT-92-191 QSIE-034	BALL AND SOCKET JOINT IS RUSTED.	N/A	QSIE-034
2QSS-PSS1174B	VT-92-191 QSIE-035	BALL AND SOCKET JOINT IS RUSTED.	N/A	QSIE-035
2FWS-PSSH006	VT-92-201 QSIE-037	SPRING CAN SETTING IS 3100#. SHOULD BE 3520#.	N/A	QSIE-037
2RCS*SG21B-C-B12	VT-92-197 QSIE-038	NUT FROZEN TO STUD.	N/A	VT-92-209
2RCS*MOV556A-B-7	VT-92-182 QSIE-039	BORIC ACID ON BOLTS.	7-07	VT-92-236

APPENDIX IV

## Appendix IV

### NIS-2 Forms

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

1. Owner Duquesne Light Company Date 2/4/91  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR# 908870  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. "  
 Expiration Date "
4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 19 71 Edition W'72 Addenda See N-5 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2-SWS-001-839-3	Schneider Power	2-SR-43-01-SWS	-	1" Piping	1987	Repaired	Yes

7. Description of Work Piping was cut to allow hydrolase cleaning and rewelded
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 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 N-5 Data Report Attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ENG I Date Feb. 6 19 91  
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 this Owner's Report during the period Sept. 3 to Nov. 30, 1991 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 Systems

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date February 8, 1991

**FORM N-6 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\***

As Required by the Provisions of the ASME Code Rules, Section II, Division 1 Sheet 1 of 10

- 1 Installed by Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and address of installer of components, component supports or appurtenances)
- 2 Installed for Duquesne Light Company, One Oxford Centre, 301 Grant St., Pittsburgh, PA 15219  
(Name and address of purchaser or owner)
- 3 N Certificate Holder having overall responsibility Stone & Webster Engineering Corporation
- 4 Location of Installation Beaver Valley Power Station Unit #2, Shippingport, PA 15077
- 5 System Identification 2-SR-43-01-SMS-3 N/A Att 10 Natl Bd. No. N/A Year Installed 1957  
(NCR Serial No.) (CNP) (Drawing No.)

6. Nuclear Components and Appurtenances Installed in the Field by Welding (List each item and attach copies of N Certificate Holders' Data Reports and WFT Certificate Holders' Partial Data Reports) **E 7 8 7 0 2 0 9 0 0 1**

(a) Components or Appurtenances	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
SEE ATTACHMENT (1) "Parts, Components & Appurtenances"					
***NO FURTHER ENTRIES***					

**Piping System Installation**

(a) Piping Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
SEE ATTACHMENT (2) "Shop Fabricated Large Bore Piping Subassemblies Installed"					N/A
SEE ATTACHMENT (3) "Field Modified Large Bore S...assemblies Installed"					N/A
SEE ATTACHMENT (4) "Shop Fabricated Small Bore Subassemblies Installed"					N/A
SEE ATTACHMENT (5) "Field Modified Small Bore Subassemblies Installed"					N/A
***NO FURTHER ENTRIES***					

**Component Support Installation**

(a) Component Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept. Lead Spec. Data Sheet	(e) Canadian Reg. No.	(f) National Bd. No.	(g) Year Built
Component Supports are Non-Code, due to code effective date. See "Additional Material Excluding Welding Material" for "Component Support Integral Attachment Only".						
***NO FURTHER ENTRIES***						

**Additional Material Excluding Welding Material**

(a) Name of Manufacturer	(b) National Specification	(c) Dimensions
SEE ATTACHMENT (6) "Component Support Integral Attachment Only" N/A		
SEE ATTACHMENT (7) "Additional Material"		
***NO FURTHER ENTRIES***		

NOTE: The following shortened company names are used in this report:  
 SVEC: Stone & Webster Engr. Corp.  
 SPC: Schneider Power Corp.  
 HSB&I Co.: Hartford Steam Boiler Inspection & Insurance Co.

7 (a) Installation in Accordance with:

- Procedure or Drawing No. SEE ATTACHMENT (8) "Design Drawings & Revisions"
- SEE ATTACHMENT (9) "Procedures & Specification"
- \*\*\*NO FURTHER ENTRIES\*\*\*

Prepared by

(b) Description of Installation Performed:

- SEE ATTACHMENT (10) "Description of Installation Performed"
- \*\*\*NO FURTHER ENTRIES\*\*\*

(c) Hydrostatic Test 0 psi. System Working Pressure 0 psi and Temp. 0 F.

\* 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 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of the form. @SEE SHEET 2 of 10 "CERTIFICATION OF DESIGN..." FOOTNOTE



CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at Stone & Webster Engineering Corporation, Boston, MA  
 Design Report on file at A stress report is not required for Class 2 or 3 piping systems  
 Design specifications certified by: A. J. Florente PE State Pennsylvania  
 Reg. No. 32366-B  
 Design Report certified by: A stress report is not req'd PE State N/A  
 Reg. No. for Class 2 or 3 piping systems. #SEE ATTACHMENT (11) "System Working & Design, Pressure  
 (1) Signature not required. List name only. F Temperature & Hydrostatic/  
 Design Conditions of Piping Pressure Temperature Pneumatic Tests.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, 1971 & \* Edition Addenda Date Winter '72 & \* Code Case No. \* Class 1 and was performed in accordance with the documents listed in 7(a), above.  
 Our ASME Certificate of Authorization No. N-1824-1 to use the SA Symbol expires 8-1-87  
 Refer to ATTACHMENT (7) for material responsibilities and (IN, MA) (Date)  
 ATTACHMENT (11) for pressure test responsibilities. Signed by [Signature]  
 Date 1/30/87 Signed Schneider Power Corporation (Certificate Holder)  
 \*SEE ATTACHMENT (12) "Laser Code Editions & Addenda Invoked and Code Cases Invoked"

CERTIFICATE OF INSTALLATION INSPECTION

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 HSBI & I Co. of Hartford, CT have inspected the installation of the items described in this Data Report on 1/16/87 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the Inspector nor his employer make any warranty, expressed or implied, concerning the installation described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 1/30/87 Signed R.W. Krumm (Inspector) Commissions Padison (Nat'l Board, State, Province and Ins.)

CERTIFICATE OF COMPLIANCE

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement. Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
 We certify the statements made by this report are correct and that the piping system conforms to the rules of construction of the ASME Code Section III, Division 1.  
 Certificate of Authorization expires 6-18-88 Certificate of Authorization No. N-1512-2  
 Date 2/1/87 Signed Stone & Webster Engr. by [Signature] (N-Certificate Holder)

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBI & I Co. of Hartford, Connecticut have inspected the piping described in this Data Report on 2-8-1987 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has constructed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the Inspector nor his employer make any warranty, express or implied, concerning the piping described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 2-8-1987  
 Signed Jacob P. Schell (Inspector) Commissions PA-2454-N (Nat'l Board, State, Province and Ins.)

N-5 DATA REPORT  
ATTACHMENT 10

2-SR-43-01-SWS-3

Sheet 8 Of 10

1. INSTALLED BY: Schneider Power Corp.; 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Appliances)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System(SWS)2-SR-43-01-SWS-3 YEAR INSTALLED 1987  
(Part, Serial No.)

DESCRIPTION OF INSTALLATION PERFORMED

Continued from Sheet 1

Drawing No. and Rev.	Prepared By	Drawing No. and Rev.	Prepared By
730-077-5	SPC		
730-076-3	SPC		

\*\*\*NO FURTHER ENTRIES\*\*\*

Revision level Control Drawings designated as "AC" have been reconciled with the control drawing revision listed and have no impact on the ASME III Code fabrication/installation delineated in this N-5 data report.

daj 2-6-87 SWEC

Continued on Sheet N/A

Date <u>1/30/87</u>	Schneider Power Corp.	Signed <u>[Signature]</u>	<u>RK 1/30/87</u>
Date <u>1/30/87</u>	<u>[Signature]</u>	Commissioner	<u>PA-21870</u>
Date <u>2/1/87</u>	Stone & Webster Eng. Corp.	Signed <u>[Signature]</u>	<u>[Signature]</u>
Date <u>2-8-87</u>	<u>[Signature]</u>	Commissioner	<u>PA-2454-N</u>

(Part) Board, State and No. 1

N-5 DATA REPORT  
ATTACHMENT 12

1. INSTALLED BY: Schnelder Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Assemblies)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System(SWS)2-SR-43-01-SWS-3 YEAR INSTALLED 1987  
(Ident. Serial No.)

Continued from Sheet 2

LATER CODE EDITION(S) AND ADDENDA(S) INVOKED, AND CODE CASES INVOKED

Later Edition(s)/Addenda(s) of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, invoked for use during Plant construction. As authorized by the Design Specification, material may have been procured certified to later Editions/Addenda of the ASME Code. The specific Edition/Addenda to which the material procured and certified is identified on the Certified Material Test Report or Certificate of Compliance furnished the material and referenced on Attachment (7) to this N-5 Data Report.

Edition	Addenda	Subsection	Paragraphs	Authorizing Documents)
1980	Winter 1981	NB/NC/ND	4427-1	2BVS-920
1980	Winter 1982	NCA	8000	2BVS-920
1974	Summer 1976	NX	4435	2BVS-920
1980	Summer 1981	NCA	8240(b)	2BVS-920
1974	N/A	NB/NC/ND	3641.1	2BVS-939
1977	Summer 1978	NC/ND	3643.1	2BVS-939
1977	Summer 1978	NC/ND	3643.3	2BVS-920
1983	Summer 1983	APPENDIX V	N/A	2BVS-920
1983	N/A	NX	6111	2BVS-920
1980	Summer 1981	NB/NC/ND	6211	2BVS-920

\*\*\*NO FURTHER ENTRIES\*\*\*

Code Case(s) invoked for installation or testing

Code Case Number	Authorizing Document(s)	Code Case Number	Authn Docum
N-224	2BVS-920	N-292	2BVS-920
N-275	2BVS-920	1606-1	2BVS-920

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A

Date 1/20/87 Schnelder Power Corp. Signed [Signature]  
NA Certificate Holder  
 Date 1/30/87 [Signature] Commissions [Signature]  
AMI Signature  
 Date 2/1/87 Stone & Webster Eng. Corp. Signed [Signature]  
N Certificate Holder  
 Date 2-8-87 [Signature] Commissions PA-2454-N  
AMI Signature (Not) Board, State and N

**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 2/4/91  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 3
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR# 908867  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCO - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. "  
 Expiration Date "
4. Identification of System Service Water
5. (a) Applicable Construction Code Section III 19 71 Edition, W'72A Addenda, See N-5 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2-SWS-001-840-3	Schneider Power	2-SR-43-01-SWS	-	1" Piping	1987	Repaired	Yes

7. Description of Work: Piping was cut to allow hydroplase cleaning and rewelded.

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

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

FORM NIS-2 (Back)

9 Remarks N-5 Data Report Attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ENG. I Date Feb. 4 19 91  
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 this Owner's Report during the period Sept. 3 to Nov. 30, 1991 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 the inspection.

\*Factory Mutual Systems

[Signature] Inspector's Signature Commission NB 8316 PA 2248  
National Board, State, Province, and Endorsements

Date February 8, 1991

**FORM NS-6 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\*** 2-SR-43-01-SWS-4  
As Required by the Provisions of the ASME Code Rules, Section III, Division 1 Sheet 1 of 10

1. Installed by Schnelder Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and address of installer of equipment, component support, or appurtenance)
2. Installed for DUQUESNE LIGHT COMPANY, One Oxford Centre, 201 Grant St., Pittsburgh, PA 15279  
(Name and address of purchaser or owner)
3. If Certificate Holder having overall responsibility Stone & Webster Engineering Corporation
4. Location of installation BEAVER VALLEY POWER STATION UNIT #2, Shippingport, PA 15277
5. System identification 2-SR-43-01-SWS-4 N/A Att. 10 Nat'l Bd. No. N/A Year Installed 1987  
(ASME Serial No.) (CRNO) (Drawing No.)
6. Nuclear Components and Appurtenances installed in the Field by Welding (List each item and Attach copies of N Certificate Holders' Data Reports and NPT Certificate Holders' Partial Data Reports): E 7 8 7 0 2 0 9 0 0 0 2

(a) Components, or Appurtenances	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg No.	(e) National Bd No.	(f) Year Built
SEE ATTACHMENT (1) "Parts, Components & Appurtenances" ***NO FURTHER ENTRIES***					

Piping System Installation

(a) Piping Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg No.	(e) National Bd No.	(f) Year Built
SEE ATTACHMENT (2) "Shop Fabricated Large Bore Piping Subassemblies Installed"					N/A
SEE ATTACHMENT (3) "Field Modified Large Bore Subassemblies Installed"					N/A
SEE ATTACHMENT (4) "Shop Fabricated Small Bore Subassemblies Installed"					N/A
SEE ATTACHMENT (5) "Field Modified Small Bore Subassemblies Installed"					N/A
***NO FURTHER ENTRIES***					

Component Support Installation

(a) Component Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept. Load Capoc. Data Sheet	(e) Canadian Reg No.	(f) National Bd No.	(g) Year Built
Component Supports are Non-Code, due to code effective date. See "Additional Material Excluding Welding Material" for "Component Support Integral Attachment Only". ***NO FURTHER ENTRIES***						

Additional Material Excluding Welding Material

(a) Name of Manufacturer	(b) Material Specification	(c) Dimensions
SEE ATTACHMENT (6) "Component Support Integral Attachments Only"	N/A	
SEE ATTACHMENT (7) "Additional Material"		
***NO FURTHER ENTRIES***		

NOTE: The following shortened company names are used in this report:

- SWEC: Stone & Webster Engr. Corp.
- SPC: Schnelder Power Corp.
- HSBI & I Co.: Hartford Steam Boiler Inspection & Insurance Co.

7. (a) Installation in Accordance with:

Procedure or Drawing No:

Prepared by:

- SEE ATTACHMENT (8) "Design Drawings & Revisions"
- SEE ATTACHMENT (9) "Procedures & Specifications"
- \*\*\*NO FURTHER ENTRIES\*\*\*

(b) Description of Installation Performed

- SEE ATTACHMENT (10) "Description of Installation Performed"
- \*\*\*NO FURTHER ENTRIES\*\*\*

(c) Hydrostatic Test  per System Working Pressure  and Temp.

\* 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 Data Report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form. #SEE SHEET 2 OF 10 "CERTIFICATION OF DESIGN..." FOOTNOTE.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at Stone & Webster Engineering Corporation, Boston, MA  
 Design Report on file at A stress report is not required for Class 2 or 3 piping systems  
 Design specifications certified by (1) A. J. Vincent of State Pennsylvania Reg No 32366E  
 Design Report certified by (1) A stress report is not req'd of State N/A  
 Reg No for Class 2 or 3 piping systems. # SEE ATTACHMENT(11) "System Working & Design, Pressure Temperature & Hydrostatic/Pneumatic Tests"  
 (1) Signature not required. List names only  
 Design Conditions of Piping Pressure ps: Temperature F

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, 1971 & \* Edition Addenda Date Winter '72 & \* Code Case No. Class 3 and was performed in accordance with the documents listed in 71a) above.  
 Our ASME Certificate of Authorization No. N-1824-1 to use the NA Symbol expires 8-12-89  
 Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
 Date 1/30/87 Signed Schneider Power Corp. BY [Signature]  
 # SEE ATTACHMENT(12) "Later Code Editions & Addendas Invoked and Code Cases Invoked"

CERTIFICATE OF INSTALLATION INSPECTION

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 HSB I + I Co. of Hartford, CT have inspected the installation of the items described in this Data Report on 1-31 1987 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the inspector nor his employer make any warranty, expressed or implied, concerning the installation described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 1-31 1987 Signed [Signature] Commissions PA 3000-N  
 (Inspector) (National Board State Province and No.)

CERTIFICATE OF COMPLIANCE

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement: Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
 We certify the statements made by this report are correct and that the piping system conforms to the rules of construction of the ASME Code Section III, Division 1.  
 Certificate of Authorization expires 6-18-88 Certificate of Authorization No. N-1513-2  
 Date 2/2/87 Signed Stone & Webster Eng. Corp. BY [Signature]  
 (Certificate Holder)

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by H.S.B. I + I Co. of HARTFORD CT. have inspected the piping described in this Data Report on 2-8 1987 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has constructed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the inspector nor his employer make any warranty, express or implied, concerning the piping described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 2-8 1987  
 Signed Jacob C. Hall (Inspector) Commissions PA-2454-N  
 (National Board State Province and No.)

N-5 DATA REPORT  
ATTACHMENT 10

- 1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Assemblies)
- 2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15279
- 3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
- 4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
- 5. SYSTEM IDENTIFICATION Service Water System (SWS) 2-SR-43-01-SWS-4 YEAR INSTALLED 1987  
(Part, Section, etc.)

DESCRIPTION OF INSTALLATION PERFORMED

Continued from Sheet 1

Drawing No. and Rev.	Prepared By	Drawing No. and Rev.	Prepared By
730-075-5	SPC		
730-074-4	SPC		
***NO FURTHER ENTRIES***			

Revision level Control Drawings designated as "AC" have been reconciled with the control drawing revision listed and have no impact on the ASME III Code fabrication/installation delineated in this N-5 data report.

day 2-687 SWEC

Continued on Sheet N/A

Date 1/30/87 Schneider Power Corp. Signed [Signature]  
(N Certificate Holder)  
 Date 2-1-87 [Signature] Commissions [Signature]  
(Part 7 Board, 24.70 and 104.1)  
 Date 2/7/87 Stone & Webster Eng. Corp. Signed [Signature]  
(N Certificate Holder)  
 Date 2-8-87 [Signature] Commissions PA-2454-N  
(Part 7 Board, 24.70 and 104.1)



N-5 DATA REPORT  
ATTACHMENT 12

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Apparatuses)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15278
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System(SWS)2-SR-43-01-SWS-4 YEAR INSTALLED 1987  
(i.e. Serial No.)

Continued from Sheet 2

LATER CODE EDITION(S) AND ADDENDA(S) INVOKED, AND CODE CASES INVOKED

Later Edition(s)/Addenda(s) of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, invoked for use during Plant construction. As authorized by the Design Specification, material may have been procured certified to later Editions/Addenda of the ASME Code. The specific Edition/Addenda to which the material procured and certified is identified on the Certified Material Test Report or Certificate of Compliance furnished the material and referenced on Attachment (7) to this N-5 Data Report.

Edition	Addenda	Subsection	Paragraphs	Authorizing Document(s)
1980	Winter 1981	NB/NC/ND	4427-1	2BVS-920
1980	Winter 1982	NCA	8000	2BVS-920
1974	Summer 1976	KX	4435	2BVS-920
1980	Summer 1981	NCA	8240(b)	2BVS-920
1974	N/A	NB/NC/ND	3641.1	2BVS-939
1977	Summer 1978	NC/ND	3643.1	2BVS-939
1977	Summer 1978	NC/ND	3643.3	2BVS-939
1983	Summer 1983	Appendix V	N/A	2BVS-920
1983	N/A	NX	6111	2BVS-920
1980	Summer 1981	NB/NC/ND	6211	2BVS-920

\*\*\*NO FURTHER ENTRIES\*\*\*

Code Case(s) invoked for installation or testing

Code Case Number	Authorizing Document(s)	Code Case Number	Authorizing Document(s)
N-234	2BVS-920	N-292	2BVS-920
N-275	2BVS-920	1606-1	2BVS-939

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A

Date 1/30/87

Schneider Power Corp.

Signed

*[Signature]*  
RK 1/30/87  
PA 3000

Date 4-30-87

*[Signature]*

Commissions

Date 4/1/87

Stone & Webster Eng. Corp.

Signed

*[Signature]*  
PA 2454-N

Date 2-8-87

*[Signature]*

Commissions

*[Signature]*  
PA 2454-N

**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 4/20/91  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR 915018  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DlCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address
4. Identification of System Fuel Pool Cooling
5. (a) Applicable Construction Code Section 111 19 71 Edition, S'72 Addenda, 1672 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-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)
2PNC-290	Velan Valve	695.7	-----	Cat#3076X	1974	Repaired	Yes

7. Description of Work: Machined .005" off of valve disc
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 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 NPV-1 form attached

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] ENG-I Date May 8 19 91  
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 this Owner's Report during the period 2/2/91 to 5/8/91, 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 Systems

[Signature] Commissions PA 2266  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/8 19 91

FORM NPV - 1 MANUFACTURERS' DATA REPORT FOR NUCLEAR VALVES 740695  
AS REQUIRED BY THE PROVISIONS OF THE ASME CODE RULES

Manufactured by VELAN ENGINEERING LTD., 3125 Ward Ave., Montreal Order No. PI-2769 N TT 12  
 Manufactured for STONE E. WRABSTER ENGG. CORP Contract No. 14644  
 Owner DUQUENNE LIGHT COMPANY  
 Location of Plant BEAVER VALLEY POWER STATION, SHIPPINGPORT, PA.  
 Valve Identification 3/4" - 150# - 150# GLASS STE. SW. QTY: 10  
 a) Drawing No. PI-2769 N-3 REV. A Prepared By: VELAN ENGINEERING LIMITED  
 Design Conditions \_\_\_\_\_ psi \_\_\_\_\_ °F PRESS. CLASS 1500  
 (Pressure) (Temperature)  
 The material, design, construction and workmanship complies with ASME Code Section III, Class 3  
 Edition 1971 Addenda Date SUMMER 1972 Code No. 1672

MARKING	MAT. SPEC. NO.	MANUFACTURER	BODY SERIAL NO.	BODY II. C.	DATE REC'D	DISC MARKING II. C.
a) Castings						
DISC	STELLITE #6	VESTRELL	695-17484 695-10	JT	7-647	V550
b) Forgings						
BODY	SA-182 F316	CANFORGE				
c) Forging						
d) Other Parts						
BOTTOM PLUG	SA-479 F316	TAKARA				
WELD FILL MAT.	SA-542 F316	BONLAR	HWB: 87530			
WELD FILL MAT.	SA-542 F316	BONLAR	HWB: 46232			
Pressure Class	5400					

Duquesne Light Company  
 Beaver Valley Unit No. 2  
 P.O. Box 214-75, Job No: 12247  
 OTE No. 10012, Co No. 6259  
 Forged Stainless Steel Valve  
 2 Inch & Smaller Cat. 1  
 Velan Engineering Ltd.

CERTIFICATION OF DESIGN

Design information of file at VELAN ENGINEERING COMPANY LIMITED  
 Stress analysis report on file at VELAN ENGINEERING COMPANY LIMITED  
 Stress calculations certified by CARL OTTO RICHARDSON Prof. Eng. Prov. PENN. Reg. No. 16297-E  
 Stress analysis report certified by A.K. VELAN Prof. Eng. Prov. ONT. Reg. No. 16463  
 I warrant that the statements made in this report are correct  
 Date SEP 12 1976 Signed VELAN ENG. CO LIMITED By [Signature]  
 649 Manufactured 19 1976  
 Certificate of Authorization No. \_\_\_\_\_ Expires JUNE 19, 1976

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors of the Province of  
QUEBEC and employed by DEPARTMENT OF LABOUR at QUEBEC have inspected the equipment described  
 in this Data Report of 10/25 19 76 and state that to the best of my knowledge and belief, the Manufacturer  
 has constructed the 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 inspected in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for the  
 amount of property damage or loss of any kind arising from or connected with this inspection.  
 Date 10/25 19 76  
[Signature] Inspector  
[Signature] Commissioner  
 National Board of Boiler, Pressure, and Vessel Inspectors  
 1700 Market Street, Philadelphia, PA 19104

**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 8/6/91  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 8

2. Plant Beaver Valley Power Station Unit No. 2  
Name MWR 001590  
Shippingport, PA 15077  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 1971 Edition N-72 Addenda See N-5 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is B3E-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)
2-SWS-150-A28-3	Schneider Power	2-SR-30-09 SWS	N/A	CI-710-021 Item #25	1986	Repaired	Yes
Flange	FBI Industries	N/A	N/A	Heat No. RB2W	1978	Replacement	Yes

7. Description of Work Replaced pipe flange

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 169 psi Test Temp. 68 °F

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

FORM NIS-2 (Back)

9 Remarks N-5 data report attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Thomas A. Ulla Senior ENR Date Aug 14 19 91  
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 this Owner's Report during the period April 12, 1991 to July 20, 1991, 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 Systems

Tom Ulla Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date August 15, 19 91

FORM N-8 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\*

As Required by the Provisions of the ABME Code Rules, Section III, Division 1 Sheet 1 of 3

1. Installed by Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15227  
Name and address of installer of component, component supports or appurtenances
2. Installed for Duquesne Light Co., One Oxford Centre, 301 Grant Street, Pittsburgh, PA 15279  
Name and address of purchaser or owner
3. N Certificate Holder having overall responsibility Stone & Webster Engineering Corporation
4. Location of Installation Beaver Valley Power Station Unit #2, Shippingport, PA 15077
5. System Identification 2-SR-30-09-SWS-1 N/A N/A Nat'l Bd. No. 3/A Year Installed 1966  
(a) Serial No. (b) ICRN (c) Filing No.
6. Nuclear Components and Appurtenances Installed in the Field by Welding (List each item and attach copies of N Certificate Holders' Data Reports and ICRN Certificate Holders' Partial Data Reports) **578610290002**

(a) Components, or Appurtenances	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
See attached Sheet 3 of 3 for Partial NS Data Reports					
***NO FURTHER ENTRIES***					

Piping System Installation

(a) Piping Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
See attached Sheet 3 of 3 for Partial NS Data Reports					
***NO FURTHER ENTRIES***					

Component Support Installation

(a) Component Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept. Load Capac. Data Sheet	(e) Canadian Reg. No.	(f) National Bd. No.	(g) Year Built
Component supports are non-code, due to code effective date.						
See attached sheet 3 of 3 for partial NS data reports for integral attachment material.						
***NO FURTHER ENTRIES***						

Additional Material Excluding Welding Material

(a) Name of Manufacturer	(b) Material Specification	(c) Dimensions
See attached Sheet 3 of 3 for Partial NS Data Reports		
***NO FURTHER ENTRIES***		

Note: The following shortened company names are used in this report:  
SMEC: Stone & Webster Engineering Corp.  
SPC: Schneider Power Corp.  
HSBI & I CO.: Hartford Steam Boiler Inspection & Insurance Company  
PPC: POWER Piping Company

7. (a) Installation in Accordance with:

Procedure or Drawing No. See attached Sheet 3 of 3 for Partial NS Data Reports Prepared by \_\_\_\_\_  
\*\*\*NO FURTHER ENTRIES\*\*\*

(b) Description of Installation Performed:

See attached Sheet 3 of 3 for Partial NS Data Reports  
\*\*\*NO FURTHER ENTRIES\*\*\*

(c) Hydrostatic Test 3 psi. System Working Pressure 3 psi and Temp. 3 F.

\* 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 Data Report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form. See attached Sheet 3 of 3 for Partial NS Data Reports

CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at Stone & Webster Engineering Corp., Boston, MA  
 Design Report on file at A stress report is not required for Class 2 or 3 piping systems.  
 Design specifications certified by (1) W. L. Ramsden PE State Pennsylvania  
 Reg. No. 28975  
 Design Report certified by (1) A stress report is not req'd PE State N/A  
 Reg. No. for Class 2 or 3 piping systems. #See attached Sheet 3 of 3 for  
 Partial NS Data Reports.  
 (1) Signature not required. List name only.  
 Design Conditions of Piping Pressure psi Temperature F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, Edition, Addenda Date: Code Case No. Class 3 and was performed in accordance with the documents listed in 7(a), above.  
 Our ASME Certificate of Authorization No. N-1624-1 to use the SA Symbol expires 8-12-89  
 \* See attached sheet 3 of 3 for partial NS Data Reports.  
 Date 10/16/86 Signed Schneider Power Corp. (Certificate Holder) by [Signature]

CERTIFICATE OF INSTALLATION INSPECTION

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 MS&I Co. of Hartford, CT. have inspected the installation of the items described in this Data Report on 10-17-86 and state that, to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation 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 10-17-86 Signed [Signature] (Inspector) Commission RA 2352N (Nat'l Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement. See attached Sheet 3 of 3 for partials for material responsibilities and pressure testing.  
 We certify the statements made by this report are correct and that the piping system conforms to the rules of construction of the ASME Code Section III, Division 1.  
 Certificate of Authorization expires 6-18-88. Certificate of Authorization No. N-1513-2  
 Date 10/27/86 Signed Stone & Webster Engr. (N-Certificate Holder) by John J. Pusey

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 Pennsylvania and employed by MS&I Co. of Hartford, Connecticut. have inspected the piping described in this Data Report on 10-28-86 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has constructed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping 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 10/28/86 Signed [Signature] (Inspector) Commission RA 2352N (Nat'l Board, State, Province and No.)



Service Water System (PARTIAL)  
**FORM N-4 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\***  
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

CORRECTED COPY  
 2-51-30-09-525  
 2-51-30-09-525  
 Sheet 1 of 25

1. Installed by Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and address of fabricator of components, or parent company or appurtenance)
2. Installed for Duquesne Light Co., One Oxford Centre, 301 Grant Street., Pittsburgh, PA 15279  
(Name and address of purchaser or owner)
3. Certificate Holder having overall responsibility Stone & Webster Engineering Corporation
4. Location of Installation Beaver Valley Power Station Unit #2, Shippensburg, PA 15077
5. System Identification SA-30-09-525-R/A Att. 10 Hart/Bd No. R/A Year Installed 1986
- 2-51-30-09-525 (S/W, Serial No.) ICR# (Drawing No.)

6. Nuclear Components and Appurtenances Installed in the Field by Welding (List each item and attach copies of Certificate Holders' Data Reports and NPT Certificate Holders' Partial Data Reports)

(a) Components or Appurtenances	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
See Attachment (1) "Parts, Components & Appurtenances"					
***NO FURTHER ENTRIES***					

Piping System Installation

(a) Piping Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
See Attachment (2) "Shop Fabricated Large Bore Piping Subassemblies Installed"					
See Attachment (3) "Field Modified Large Bore Subassemblies Installed"					
See Attachment (4) "Shop Fabricated Small Bore Subassemblies Installed"					
See Attachment (5) "Field Modified Small Bore Subassemblies Installed"					
***NO FURTHER ENTRIES***					

Component Support Installation

(a) Component Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Reg. Load Capac. Data Sheet	(e) Canadian Reg. No.	(f) National Bd. No.	(g) Year Built
Component Supports are non-codes due to code effective date. SEE "Additional Material Excluding Welding Material" for "Component Supports Integral Attachment Only."						
***NO FURTHER ENTRIES***						

Additional Material Excluding Welding Material

(a) Name of Manufacturer	(b) Material Specification	(c) Dimensions
See Attachment (6) "Component Support Integral Attachments Only"		
See Attachment (7) "Additional Material"		
***NO FURTHER ENTRIES***		

Note: The following shortened company names are used in this report:  
 SWEC: Stone & Webster Engineering Corp.  
 SPC: Schneider Power Corp.  
 HSB & I CO.: Hartford Steam Boiler Inspection & Insurance Company  
 PPC: Power Piping Co.

7. (a) Installation in Accordance with:  
 Procedure or Drawing No. See Attachment (8) "Design Drawings & Revisions"  
See Attachment (9) "Procedures & Specifications"  
 \*\*\*NO FURTHER ENTRIES\*\*\*

Prepared by

- (b) Description of Installation Performed:  
See Attachment (10) "Description Of Installation Performed"  
 \*\*\*NO FURTHER ENTRIES\*\*\*

(c) Hydrostatic Test    psi. System Working Pressure    psi and Temp    F

\* 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 Data Report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form PSEE SHEET 2 of "CERTIFICATION OF DESIGN..." footnote.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at Stone & Webster Engineering Corp., Boston, MA  
Design Report on file at A stress report is not required for Class 2 or 3 piping systems.  
Design specifications certified by (1) W. L. Ramsden PE State Pennsylvania  
Reg No 28975  
Design Report certified by (1) A stress report is not req'd PE State N/A  
Reg No for Class 2 or 3 piping systems. # SEE ATTACHMENT (11) \*System Working & Design, Pressure Temperature & Hydrostatic/ Pneumatic Tests\*  
(1) Signature not required List name only.  
Design Conditions of Piping Pressure Temperature

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, 1971 & Edition Addenda Date Winter '72 & Code Case No. Class 1 and was performed in accordance with the documents listed in 7(a), above.  
Our ASME Certificate of Authorization No. N-1824-1 to use the NA Symbol expires 8-12-89  
Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
Date 10/17/86 Signed Schneider Power Corp. (In. Seal) (Date) P. J. Gallagher

CERTIFICATE OF INSTALLATION INSPECTION

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 MSBI & I Co. of Hartford, CT. have inspected the installation of the items described in this Data Report on 10-17-86 and state that, to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
By signing this certificate, neither the inspector nor his employer make any warranty, expressed or implied, concerning the installation described in the 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 10-17 1986 Signed [Signature] Commissions P22242 (Nat'l Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE

Following completion of the above, the Certificate of Authorization holder accepting overall responsibility for the piping system shall complete the following statement. Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
We certify the statements made by this report are correct and that the piping system conforms to the rules of construction of the ASME Code Section III, Division 1.  
Certificate of Authorization expires 6-18-88 Certificate of Authorization No. N-1513-2  
Date 10/27/86 Signed Stone & Webster Engr. by John J. Percut (In-Certificate Holder)

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by MSBI & I Co. of Hartford, Connecticut have inspected the piping described in this Data Report on 10/28 1986 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has constructed the installation in accordance with the ASME Code for Nuclear Power Plant Components.  
By signing this certificate, neither the inspector nor his employer make any warranty, express or implied, concerning the piping 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 10/28 1986 Signed [Signature] Commissions P. J. 2052 N (Nat'l Board, State, Province and No.)

N-5 DATA REPORT

~~ATTACHMENT 10~~

*OK 10-21-86  
OK 10-21-86  
OK 10-21-86*

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Appliances)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service water System(SWS) 2-SR-30-09-SWS-1 YEAR INSTALLED 1986  
(Mfr. Serial No.)

PARTIAL N5 DATA REPORT LISTING

Continued from Sheet 1 & 2

PARTIAL PACKAGE S/N	No. of Pages
2-SR-30-09A-SWS	25
2-SR-30-09C-SWS(MOD)	3
2-SR-30-09E-SWS(MOD)	3

\*\*\*NO FURTHER ENTRIES\*\*\*

The installation of partials 2-SR-30-09C-SWS and 2-SR-30-09E-SWS was performed by SWEC under certificate of authorization N-576-3 for which SWEC is assuming overall responsibility as the N-Certificate holder.

*OK 10-21-86  
OK 10-21-86  
OK 10-21-86*

*OK 10/16/86  
OK 10-21-86  
OK 10-21-86*

Printed on Sheet N/A

Date 12/16/86 Schneider Power Corp. Signed [Signature]  
(N-Certificate Holder)  
 Date 12-7-86 [Signature] Commissions [Signature]  
(N-Installer)  
 Date 12/21/86 Stone & Webster Eng. Corp. Signed [Signature]  
(N-Certificate Holder)  
 Date 12/21/86 [Signature] Commissions [Signature]  
(Mfr. Serial No.)

*RK 10/16/86*

N-8 DATA REPORT  
ATTACHMENT 1

Sheet 4 Of 25

1. INSTALLED BY: Schneider Power Corp., 125 Beaverch Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Appurtenances)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWS) ~~2-SR-30-09-090-1~~ YEAR INSTALLED 1986  
(Inst. Serial No.) 2-SR-30-09A-SWS ~~2-1-86~~

Continued from Sheet 3

\*710-016

710-029

## PARTS, COMPONENTS, &amp; APPURTENANCES

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Item No.	Parts, Components or Appurtenances	Name of Certificate Holder	Serial No.	Canadian Reg. No.	National Bd. No.	Year Built	Isometric & Isometric Item No.
16	VOS060-CZ-3	HENRY VOCT CO.	156-214959	NA	NA	1983	710-029 (ITEM#6)
17	2SWS*TCV101B	TARGET ROCK	2	NA	NA	1984	173099 (ITEM#11)
18	VOS060-C-3	DRESSER IND.	H277AAG	NA	NA	1978	173099 (ITEM#12)
19	VOS060-C-3	DRESSER IND.	H280AAG	NA	NA	1978	173099 (ITEM#13)
20	VOW015-A-3	WALWORTH CO.	D-66389	NA	1881	1980	173003 (ITEM#2)
21	VOS060-C-3	DRESSER IND.	H306AAE	NA	NA	1978	173003 (ITEM#3)
22	VOS060-CZ-3	HENRY VOCT CO.	143-214959	NA	NA	1983	173003 (ITEM#4)
23	VOS060-CZ-3	HENRY VOCT CO.	130-214959	NA	NA	1983	173003 (ITEM#5)
24	VOW060-A-1	WALWORTH CO.	D66417	NA	1678	1978	173002 (ITEM#1)
25	VOS060-C-3	DRESSER IND.	H279AAG	NA	NA	1978	173002 (ITEM#2)
26	VOS060-B-3	DRESSER IND.	H951AAD	NA	NA	1978	710-016 (ITEM#7)
27	2HVC*ACU201B	CARRIER CORP.	8094698-2	NA	146703	1980	173002* 173003
28	VCS060-AZ-3	HENRY VOCT CO.	7-214959	NA	NA	1983	710-023 (ITEM#12)
29	VCS060-BZ-3	HENRY VOCT CO.	77-214959	NA	NA	1983	710-023 (ITEM#14)
30	VOS060-CI-3	HENRY VOCT CO.	247-214959	NA	NA	1983	710-023 (ITEM#15)

Continued on Sheet 5Date 10/2/86

Schneider Power Corp.

Signed

Date 10/7/86

Stone &amp; Webster Eng. Corp.

Signed

Date 10/28/86

Stone &amp; Webster Eng. Corp.

Signed

Date 10/28/86

Stone &amp; Webster Eng. Corp.

Signed

(Part, Board, Size and No.)

N-S DATA REPORT  
 ATTACHMENT 2

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Accessories)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
 PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWS) 2-00-30-09-SVS-1 YEAR INSTALLED 1986  
(Chg. Serial No.) ~~2-00-30-09-SVS-1~~ (Chg. Serial No.) ~~2-00-30-09-SVS-1~~

Continued from Sheet 1

SHOP FABRICATED LARGE BORE PIPING SUBASSEMBLIES INSTALLED

(A) Item No.	(B) Piping Subassembly	(C) Name of Certificate Holder	(D) Serial No.	(E) Canadian Reg. No.	(F) National Bd. No.	(G) Year Built	(H) Isometric No.
1	SWS-50-2	Power Piping Co.	N-1141-5055	NA	NA	1980	173001
2	SWS-50-3	Power Piping Co.	N-1141-5056	NA	NA	1981	173001
3	SWS-57-2	Power Piping Co.	N-1141-5757	NA	NA	1981	173004
4	SWS-61-1	Power Piping Co.	N-1141-5061	NA	NA	1981	173003
5	SWS-61-2	Power Piping Co.	N-1141-5062	NA	NA	1981	173003
6	SWS-61-3	Power Piping Co.	N-1141-5063	NA	NA	1980	173003
7	SWS-61-4	Power Piping Co.	N-1141-5064	NA	NA	1980	173003
8	SWS-61-5	Power Piping Co.	N-1141-5065	NA	NA	1980	173003
9	SWS-61-6	Power Piping Co.	N-1141-5755	NA	NA	1982	173003
10	SWS-52-4	Power Piping Co.	N-1141-5060	NA	NA	1981	173002

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A Date 11/10/86 Schneider Power Corp. Signed [Signature]  
NA Certificate Holder  
 Date 11/10/86 [Signature] Commissioned [Signature]  
API Signature  
 Date 12/27/86 Stone & Webster Eng. Corp. Signed [Signature]  
NA Certificate Holder  
 Date 10/28/86 [Signature] Commissioned [Signature]  
API Signature (Not) Board, State and No.

RK 10/16/86

**NBS DATA REPORT  
ATTACHMENT 3**

2-SR-30-09A-SWS ~~2-SR-30-09-SWS-1~~  
~~XXXXXX 86~~ Sheet 7 Of 25

INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer or Parts, Components, and Accessories)  
 INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
 PITTSBURGH, PENNSYLVANIA 15279  
 IN CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.  
 LOCATION OF INSTALLATION: Beever Valley Power Station, Unit-2, Shippingport, PA 15077  
 SYSTEM IDENTIFICATION Service Unit or System (SWS) ~~2-SR-30-09-SWS-1~~ YEAR INSTALLED 1986  
(Unit, Serial No.) 2-SR-30-09A-SWS ~~XXXXXX 86~~

Continued from Sheet 1

\* Modified 1984

FIELD MODIFIED LARGE BORE SUBASSEMBLIES INSTALLED

A) Draw No.	(B) Large Bore Subassemblies No./Serial No.	(C) Name of Certificate Holder	(D) Large Bore Isometric Number	(E) Year Built
1	SWS-44-1A/W-1141-5051	Power Piping Co.	173001	1980*
2	SWS-44-1B/W-1141-5051	Power Piping Co.	173001	1980*
3	SWS-44-2B1/W-1141-5052	Power Piping Co.	173001	1980*
4	SWS-44-2B3/W-1141-5052	Power Piping Co.	173001	1980*
5	SWS-44-3A1/W-1141-5053	Power Piping Co.	173001	1980*
6	SWS-44-3A3B/W-1141-5053	Power Piping Co.	173001	1980*
7	SWS-44-3B/W-1141-5053	Power Piping Co.	173001	1980*
8	SWS-44-3D/W-1141-5053	Power Piping Co.	173001	1980*
9	SWS-50-4A/W-1141-5054	Power Piping Co.	173001	1980*
10	SWS-50-4C/W-1141-5054	Power Piping Co.	173001	1980*
11	SWS-55-1A/2-SWS-173004-3	Power Piping Co.	173004	1980*
12	SWS-518-1A/2-SWS-173004-5	Power Piping Co.	173004	1981*
13	SWS-518-1B/2-SWS-173004-5	Power Piping Co.	173004	1981*
14	SWS-57-1A/W-1141-5069	Power Piping Co.	173004	1982*
15	SWS-57-1C/W-1141-5069	Power Piping Co.	173004	1982*

Continued on Sheet 8 Date 10/19/86 Schneider Power Corp. Signed [Signature]  
(Name and Address of Installer or Parts, Components, and Accessories)  
 Date 10/17/86 [Signature] Commissions [Signature]  
(Name and Address of Installer or Parts, Components, and Accessories)  
 Date 10/27/86 Stone & Webster Eng. Corp. Signed [Signature]  
(Name and Address of Installer or Parts, Components, and Accessories)  
 Date 10/28/86 [Signature] Commissions [Signature]  
(Name and Address of Installer or Parts, Components, and Accessories)

**N-5 DATA REPORT  
 ATTACHMENT 7**

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Apparatuses)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
 PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWS) 2-08-30-09-SWS YEAR INSTALLED 1986  
(Mfr. Serial No.) 2-SR-30-09A-SWS XX 10-13-86

Continued from Sheet 16

**ADDITIONAL MATERIAL**

SWEC as the N Certificate Holder accepting overall Code responsibility and subcontracting installation to appropriate NA Certificate Holders retains primary Code responsibility for material purchased by SWEC and provided to installers at Beaver Valley - Unit 2. In satisfying this responsibility, SWEC performs and documents inspections and documentation reviews required to establish Code acceptance of the material. Installers are responsible for verifying SWEC acceptance of the material and for assuring the use of specified, properly identified and undamaged material.

(A) Item No.	(B) Isometric No. & Isometric Item No.	(C) Additional Material Identification Including Dimensions	(D) Material Description Specification, Heat No./Heat Code (See Manuf. Data Package for Manuf. Info.)
85	710-023 (ITEM#1, 16)	2" PIPE	SCH.80 SMLS.SA106 GR.B HT#165995
86	710-023 (ITEM#2)	1" PIPE	SCH.80 SMLS.SA106 GR.B HT#E48962
87	710-023 (ITEM#3)	3/4" PIPE	SCH.80 SMLS.SA106 GR.B HT#E48583
88	710-023 (ITEM#4, 17)	2" 90° ELBOW	F.S. S/W 3000# SA105 HT#RW2S
89	710-023 (ITEM#5)	2" 45° ELBOW	F.S. S/W 3000# SA105 HT#RG2X-1
90	710-023 (ITEM#6)	2" TEE	F.S. S/W 3000# SA105 HT#XR2S
91	710-023 (ITEM#7)	2"x1" REDUCING COUPLING	F.S. S/W 3000# SA105 HT#SW2S1
92	710-023 (ITEM#8)	2"x3/4" REDUCING INSERT	F.S. S/W 3000# SA105 HT#AC7X
93	710-023 (ITEM#9)	1" FLANGE	150#(RF)S/W SA105 BORE SCH.80 HT#RD2Y
94	710-023 (ITEM#11)	1/2" STUD BOLT	SA193 GR.B7 NA
95	710-023 (ITEM#11)	1/2" HEX NUT	SA194 GR.2H NA
96	710-023 (ITEM#18)	2" 45° ELBOW	F.S. S/W 3000# SA105 HT#RZ2B3

Continued on Sheet 18

Date 10/18/86 Schneider Power Corp. Signed [Signature]  
NA Certificate Holder

Date 10/27/86 [Signature] Commissions [Signature]  
AHI Signature

Date 10/27/86 Stone & Webster Eng. Corp. Signed [Signature]  
NA Certificate Holder

Date 10/28/86 [Signature] Commissions PA 2053N  
AHI Signature (Not) Board, State and No.)

RK 10/16/86

N-5 DATA REPORT  
ATTACHMENT 7

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Accessories)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit 2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWS) 2-SR-30-09-SWS-1 YEAR INSTALLED 1986  
(Mfr. Serial No.) 2-SR-30-09A-SWS 2/11/86

Continued from Sheet 17

ADDITIONAL MATERIAL

SWEC as the N Certificate Holder accepting overall Code responsibility and subcontracting installation to appropriate NA Certificate Holders retains primary Code responsibility for material purchased by SWEC and provided to installers at Beaver Valley - Unit 2. In satisfying this responsibility, SWEC performs and documents inspections and documentation reviews required to establish Code acceptance of the material. Installers are responsible for verifying SWEC acceptance of the material and for assuring the use of specified, properly identified and undamaged material.

(A) Item No.	(B) Isometric No. & Isometric Item No.	(C) Additional Material Identification Including Dimensions	(D) Material Description Specification, Heat No./Heat Code (See Manuf. Data Package for Manuf. Info.)
97	710-023 (ITEM#20, 21)	2" PIPE	SCH.80 SMLS.SA106 GR.B HT#E48992
98	710-021 (ITEM#15, 18, 30)	2" PIPE	SCH.80 SMLS.SA106 GR.B HT#E48992
99	710-021 (ITEM#16, 21)	2" 90° ELBOW	F.S. S/W 3000# SA105 HT#RW2S
100	710-021 (ITEM#20)	3/4" PIPE	SCH.80 SMLS.SA106 GR.B HT#E48583
101	710-021 (ITEM#22)	2" TEE	F.S. S/W 3000# SA105 HT# RZ2J
102	710-021 (ITEM#23)	2"x3/4" REDUCING INSERT	F.S. S/W 3000# SA105 HT# S72J
103	710-021 (ITEM#24)	2"x1 1/4" REDUCING COUPLING	F.S. S/W 3000# SA105 HT#SR2R2
104	710-021 (ITEM#25)	1 1/2" FLANGE	150#(RF)S/W SA105 BORE SCH.80 HT#RR2U *
105	710-021 (ITEM#27)	1/2" STUD BOLT	SA193 GR.87 NA
106	710-021 (ITEM#27)	1/2" HEX NUT	SA194 GR.2H NA
107	710-021 (ITEM#31)	1 1/2" PIPE	SCH.80 SMLS.SA106 GR.B HT#D65277
108	710-021 (ITEM#33)	2" COUPLING	F.S. S/W 3000# SA105 HT#SJ2U

Continued on Sheet 19 Date 10/19/86 Schneider Power Corp. Signed [Signature] 10/16/86  
NA Certificate Holder  
 Date 10/27/86 [Signature] Commissions [Signature]  
AMI Signature (Mat'l. Board, State and No.)  
 Date 10/27/86 Stone & Webster Eng. Corp. Signed [Signature]  
NA Certificate Holder  
 Date 10/28/86 [Signature] Commissions [Signature]  
AMI Signature (Mat'l. Board, State and No.)



N-5 DATA REPORT  
ATTACHMENT B

RK 10/16/86

- 1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of N-5, Commission, and Approval)
- 2. INSTALLED FOR: DUCQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15279
- 3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
- 4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
- 5. SYSTEM IDENTIFICATION: Service Water System (SWS) 4-00-30-09-006-1 YEAR INSTALLED 1986  
(N-5 Form No. 5-40-10-09A-SWE 10/8-86)

Continued from Sheet 1

PROCEDURES & SPECIFICATIONS

Procedures and Specifications

- 2BVS-920 REVISION 10 ADDENDUM 1 E&DCR/2PS-4383
- 2BVS-939 REVISION 6 ADDENDUM 3
- EPC NUCLEAR SITE Q.A. MANUAL WITH BV2 ADDENDUM
- SWEC COMPANY QUALITY ASSURANCE AND CONTROL MANUAL,  
ASME, SECTION III, DIVISION 1, WITH 21/EV APPENDIX

Prepared By

SWEC  
SWEC  
SPC  
SWEC

~~\*\*\*NO FURTHER ENTRIES\*\*\*~~ RK 10/16/86  
\*\*\*NO FURTHER ENTRIES\*\*\*

The following specifications have been updated to incorporate the stress reconciled as-installed isometrics, N-5 boundary diagram, and 4DCRs and N&Ds that are applicable to this N-5 package. These specification changes do not affect the ASME III fabrication/installation within the boundaries of this N-5 package.

- 2BVS-920 Revision 10, Addendum 3
- 2BVS-939 Revision 7, Addendum 3
- 2BVS-556 Revision 2, Addendum 2

MFD SWEC  
10-27-86

Continued on Sheet N/A

Date 10/2/86

Schneider Power Corp. Signed [Signature]

Signed

Date 10/2/86

[Signature]  
N-5 Certificate Holder

Commissioned

Date 10/2/86

Stone & Webster Eng. Corp. Signed [Signature]

Signed

Date 10/2/86

[Signature]  
N-5 Certificate Holder

Commissioned

RK 10/16/86

[Signature]  
N-5 Certificate Holder  
[Signature]  
N-5 Certificate Holder  
[Signature]  
N-5 Certificate Holder

N-5 DATA REPORT  
ATTACHMENT 10

CORRECTED COPY

INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222

INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET  
PITTSBURGH, PENNSYLVANIA 15278

N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.

LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077

SYSTEM IDENTIFICATION Service Water System YEAR INSTALLED 1986

2-SR-30-09A-SWS ~~2-30-09-SWS-1~~

DESCRIPTION OF INSTALLATION PERFORMED

Continued from Sheet 1

Drawing No. and Rev.	Prepared By	Drawing No. and Rev.	Prepared By
3001-07	FPC & SPC		
3002-0C	FPC & SPC		
3003-1E	FPC & SPC		
3004-07	FPC & SPC		
<del>3007-1F</del>	<del>FPC &amp; SPC</del>	<del>2-11-86</del>	<del>SPC</del>
3099-0E	FPC & SPC	2-27-86	SPC
0-010-5	SPC		
0-016-5	SPC		
0-021-6	SPC		
0-023-6	SPC		
0-029-6	SPC		
LAVO 10A-7C 13	DRAVO, SWEC & SPC		
LAVO 21A-7C 13	DRAVO, SWEC & SPC		
LAVO 23A-7C 11	DRAVO, SWEC & SPC		

\*\*\*NO FURTHER ENTRIES\*\*\*

Revision level Control Drawings designated as "AC" have been reconciled with the control drawing revision listed and have no impact on the ASME III Code fabrication/inspection condition delineated in this N-5 data report.

Based on Sheet N/A Date 10/27/86 Schneider Power Corp. Signed [Signature]

Date 10/27/86 [Signature] Commissioned [Signature]

Date 10/27/86 Stone & Webster Eng. Corp. Signed [Signature]

Date 10/27/86 [Signature] Commissioned [Signature]

RK 10/16/86

per installation #2454

SP SWECC 10-27-86

N5 Certificate Holder

API Signature

N Certificate Holder

API Signature

(Not) Board, State and No.

(Not) Board, State and No.

N-5 DATA REPORT  
ATTACHMENT 12

RK 10-12-86

Sheet 25 Of 25

1. INSTALLED BY: Schneider Power Corp., 12, Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Assemblies)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stox & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System(SVS) 2-SK-30-09-SVS-1 YEAR INSTALLED 1986  
(Ident. System No.) 2-SK-30-09A-SVS RK 10-12-86

Continued from Sheet 2LATER CODE EDITION(S) AND ADDENDA(S) INVOKED, AND CODE CASES INVOKED

Later Edition(s)/Addenda(s) of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, invoked for use during Plant construction. As authorized by the Design Specification, material may have been procured and certified to later Editions/Addenda of the ASME Code. The specific Edition/Addenda to which the material was procured and certified is identified on the Certified Material Test Report or Certificate of Compliance furnished with the material and referenced on Attachment (7) to this N-5 Data Report.

Edition	Addenda	Subsection	Paragraphs	Authorizing Document(s)
1980	Winter 1981	WB/BC/ND	4427-1	2BVS-920
1980	Winter 1982	BCA	8000	2BVS-920
1974	Summer 1976	EX	4435	2BVS-920
1980	Summer 1981	BCA	8240(b)	2BVS-920
1974	N/A	WB/BC/ND	3641.1	2BVS-939
1977	Summer 1978	BC/ND	3643.1	2BVS-939
1977	Summer 1978	BC/ND	3643.3	2BVS-939
1983	Summer 1983	Appendix V	N/A	2BVS-920
1974	N/A	ND	4231.2	2BVS-920
1983	N/A	WB	6111	2BVS-920
1980	Summer 1981	EX	6211	2BVS-920
1980	Summer 1980	BCA	1273	2BVS-920
1983	Winter 1983	BC/ND	4436	2BVS-920

\*\*\*NO FURTHER ENTRIES\*\*\*

Code Case(s) invoked for installation or testing

Code Case Number	Authorizing Document(s)	Code Case Number	Authorizing Document(s)
N-224	2BVS-920	N-292	2BVS-920
N-240	2BVS-920	1606-1	2BVS-939
N-275	2BVS-920	N-392	2BVS-939

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A Date 4/2/86 Schneider Power Corp. Signed [Signature]  
(N-5 Certificate Holder)

Date 08-27-86 [Signature] Commissioned [Signature]  
(N-5 Certificate Holder)

Date 02/27/86 Stox & Webster Eng. Corp. Signed [Signature]  
(N-5 Certificate Holder)

Date 10/29/86 [Signature] Commissioned [Signature]  
(N-5 Certificate Holder)

RK 10/10/86

**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 8/6/91  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 3  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR #001458  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 1977 Edition S'79 Addenda ---- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2SWS-1084	Henry Vogt	7-214959	----	2" check valve E-48319	1983	Replaced	Yes
2SWS-1084	Hdnry vogt	1-215228	----	*	1985	Replacement	Yes

7. Description of Work Replaced valve with like kind

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 169 psi Test Temp. 68 °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 NPV-1 forms attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior ENG Date Aug 14 19 91  
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 this Owner's Report during the period April 12, 1991 to July 30, 1991, 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 Systems

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date August 15, 1991

**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

Manufactured by Henry Vogt Machine Co., Louisville, KY  
(Name and Address of N Certificate Holder)  
 Manufactured for Duquesne Light Co., Pittsburgh, PA  
(Name and Address of Purchaser or Owner)  
 Location of Installation Beaver Valley Unit No. 1, Shippingport, PA  
(Name and Address)  
 Pump or Valve Check Valve Nominal Inlet Size 2" Outlet Size 2"  
(inch) (inch)

	(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	Check	1-215228	---	E-48319	3	---	1985
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

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

6. Design Conditions \_\_\_\_\_ psi \_\_\_\_\_ °F or Valve Pressure Class 600# (1)  
(Pressure) (Temperature)  
 Cold Working Pressure 1480 psi at 100°F.  
 Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
<b>(b) Forgings</b>			
Body			
R3902A	SA 105	Vogt	
Bonnet			
R3871A	SA 105	Vogt	

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

FORM NPV-1 (Back)

Mark No.	Material Spec No.	Manufacturer	Remarks
<b>(c) Bolting</b>			
Cap Screw			
B7	SA 193 Gr. B7	Texas Bolt	
<b>(d) Other Parts</b>			
Disc			
IBB	SA 479 T.410 (Chemistry Only)	Vogt	

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 1977, Addenda Summer '79, Code Case No. ---, Date Dec. 19, 1985.  
 Signed Henry Vogt Machine Co. by Barbara Bronger  
(Date)  
(In Certificate Holder)  
 Our ASME Certificate of Authorization No. 947 to use the N symbol expires 1/6/87  
(N) (Date)

**CERTIFICATION OF DESIGN**

Design information on file at Henry Vogt Machine Co.  
 Stress analysis report (Class 1 only) on file at \_\_\_\_\_  
 Design specifications certified by (1) Stephen A. Shuman  
 PE State PA Reg. No. PE 30264-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 Pennsylvania and employed by Commercial Union Ins. Co. of Boston, MA have inspected the pump, or valve, described in this Data Report on Sept. 23, 1985 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 December 19, 1985  
David P. [Signature] Commissions Pennsylvania #3386  
(Inspector) (Nat'l Bd. State Prov. and No.)

SERIAL NO: 7-214959  
 MARK NO: 2SWS-1084  
 TYPE: VCS060-AZ-3  
 COMMENTS: -----

2BV-064A

Approved 10/13/82 Page 1 of 2

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

1. Manufactured by VOGT MACHINE CO., LOUISVILLE, KY  
Name and Address of N Certificate Holder  
 2. Manufactured for DUQUESNE LIGHT CO., PITTSBURGH, PA  
Name and Address of Purchaser or Owner  
 3. Location of Installation BEAVER VALLEY POWER STATION - UNIT #2, SHIPPINGPORT, PA  
Name and Address  
 4. Pump or Valve Check Valve Nominal Inlet Size 2" Outlet Size 2"  
Inlet Outlet

	ASME Model No.	ASME Certificate Holder's Serial No. or Type	ASME Serial No.	ASME Registration No.	ASME Drawing No.	ASME Class	ASME Part No.	ASME Year
								Build
(1)	Check	1-214959			1-48313	3		1983
(2)								
(3)								
(4)								
(5)								
(6)								
(7)								
(8)								
(9)								
(10)								
(11)								

5. Check Valve  
Short description of service for which equipment was designed  
 6. Design Conditions Pressure 1450 Temperature 600 PSI or Valve Pressure Class (1)  
 7. Code Working Pressure 1450 PSI or VSFP  
 8. Pressure Retaining Parts

Part No.	Material Spec. No.	Manufacturer	Remarks
<b>ASME Castings</b>			
		DUQUESNE LIGHT CO. STONE & WEBSTER DR. BEAVER VALLEY UNIT 2	<b>RECEIVED</b> OCT 17 1982 JOHN S. WEBSTER ENGINEER IN CHARGE Inspection Division
		I.O. 12041 - PO NO. 20V-14A	
		MARK NO. VCS060-AZ-3	
		MANUFACTURER'S NAME VOGT MACHINE CO.	
<b>ASME Forgings</b>			
Body	SA-105	VOGT	
Flange	SA-105	VOGT	
	SA-105	VOGT	

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



FORM NPV-1 (Rev. 6/74)

Mark No.	Material Spec. No.	Manufacturer	Remarks
c. Bolting GRP SCREW 87	SA 193 Gr, 87	Texas Bolt	
d. Other Parts F160 ESR	SA 471 T, 410 (Chemistry Only)	Vogt	

5. Hydrostatic test 2225 psi. Dye Penetrant test pressure 1630 psi.

1620

**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.

Address: Summit '79 Code Case No. \_\_\_\_\_  
Code Case No.

Supplier: Harry Vogt Machine Co. Date: August 12, 1983

Our ASME Certificate of Authorization No. 947 is valid for 1/6/84 to 1/6/84

**CERTIFICATION OF DESIGN**

Design information on file at \_\_\_\_\_  
 Source analysis report (Class 1 only) on file at \_\_\_\_\_

Design specifications certified by (i) Stephen A. Shuman  
 PE State PA Reg. No. PE-30266-E

Source analysis certified by (ii) \_\_\_\_\_  
 PE State \_\_\_\_\_ Reg. No. \_\_\_\_\_

(i) 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 of Province of Pennsylvania and employed by Commercial Union Ind. Co. at Boston, MA

August 5, 19 83 have inspected the pump, or valve, described in this Data Report on structure the 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 judgment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date: August 12, 1983  
 Inspector: [Signature]  
 Commissioner: Pennsylvania #1676  
 State of Pa.

**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 8/6/91  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 3

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR #001462  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 19 77 Edition, S'79 Addenda, ----- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2SWS-1080	Henry Vogt	77-214959	---	2" gate valve E-48494	1983	Replaced	Yes
2SWS-1080	Henry Vogt	5-215228	----	*	1985	Replacement	Yes

7. Description of Work Replaced valve with like kind

8. Tests Conducted: Hydretatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 169 psi Test Temp. 68 °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 NPV-1 forms attached  
 Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng Date Aug 14 19 91  
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 this Owner's Report during the period April 12, 1991 to July 20, 1990, 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 Systems

[Signature] Commissions NB-8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date August 15 19 91

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

1. Manufactured by Henry Vogt Machine Co., Louisville, KY  
(Name and Address of N Certificate Holder)  
Manufactured for Duquesne Light Co., Pittsburgh, PA  
(Name and Address of Purchaser or Owner)  
3. Location of Installation Beaver Valley Unit No. 1, Shippingport, PA  
(Name and Address)  
4. Pump or Valve Gate Valve Nominal Inlet Size 2" Outlet Size 2"  
(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. Ed. No.	(g) Year Built
(1)	Gate	2-215228	---	E-48494	2	---	1985
(2)	Gate	3-215228	---	E-48494	2	---	1985
(3)	Gate	4-215228	---	E-48494	2	---	1985
(4)	Gate	5-215228	---	E-48494	2	---	1985
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

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

6. Design Conditions \_\_\_\_\_ psi \_\_\_\_\_ °F or Valve Pressure Class 600# (1)  
(Pressure) (Temperature)  
\* Cold Working Pressure 1480 psi at 100°F.

b. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
(b) Forgings			
Body			
R4632A	SA 105	Vogt	
R4619A	SA 105	Vogt	
Bonnet			
R4667F	SA 105	Vogt	

(1) For manually operated valves only.

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

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Cap Screw			
B7	SA 193 Grade B7	Texas Bolt	
(d) Other Parts			
Gate			
C-365	SA 479 T.410 (Chemistry Only)	Vogt	

9. Hydrostatic test 2225 psi. Disk Differential test pressure 1.0 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 1977, Addenda Summer '79, Code Case No. \_\_\_\_\_, Date Dec. 19, 1985.  
 Signed Henry Vogt Machine Co. by Barbara Brongel  
(In Certificate Holder)  
 Our ASME Certificate of Authorization No. 947 to use the N symbol expires 1/6/87  
(N) (Date)

CERTIFICATION OF DESIGN

Design information on file at Henry Vogt Machine Co.  
 Stress analysis report (Class 1 only) on file at \_\_\_\_\_  
 Design specifications certified by (1) Stephen A. Shuman  
 PE State PA Reg. No. PE 30264E  
 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 Pennsylvania and employed by Commercial Union Ins. Co. of Boston, MA have inspected the pump, or valve, described in this Data Report on September 23, 1985, 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 December 19, 1985  
Donald J. [Signature] Commissions Pennsylvania #3386  
(Inspector) (Nat'l Bd., State, Prov. and No.)

FORM NPV-1 N CERTIFICATE HOLDERS' DATA R

As Required by the Provisions of the

SERIAL NO: 77-214959

MARK NO: 2SWS-1080

TYPE: VGS060-BZ-3

2BV-0644

COMMENTS: \_\_\_\_\_

*ANSI 11/24/84*

- 1. Manufactured by Henry Vogt Machine Co.,  
(Name and Address of N Certificate Holder)
- 2. Manufactured for Duquesne Light Co., Pittsburgh, PA  
(Name and Address of Purchaser or Owner)
- 3. Location of installation Beaver Valley Power Station - Unit #2, Shippingport, PA  
(Name and Address)
- 4. Pump or Valve Gate Valves Nominal Inlet Size 2" Outlet Size 2"  
(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)	Gate	66-214959	---	E-48494	3	---
(2)		thru					
(3)		90-214959					
(4)		(See Attached Sheet)					
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

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

6. Design Conditions \_\_\_\_\_ psi \_\_\_\_\_ °F or Valve Pressure Class 600 (1)

7. Cold Working Pressure 1480 psi at 100°F

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
<b>(b) Forgings</b>			
<b>Body</b>			
R4591A	SA-105	Vogt	
R3910A	SA-105	Vogt	
<b>Bonnet</b>			
R3871A	SA-105	Vogt	
R2876	SA-105	Vogt	
R3225	SA-105	Vogt	

(1) For manually operated valves only.

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

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Cap Screws			
B7	SA 193 Gr. B7	Texas Bolt	
(d) Other Parts			
Gate			
C-352	SA 479 T.410 (Chemistry Only)	Vogt	

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. L, Edition 1977, Addenda Summer '79, Code Case No. \_\_\_\_\_, Date September 9, 1983.

Signed Henry Vogt Machine Co. by [Signature]  
(N Certificate Holder)

Our ASME Certificate of Authorization No. 947 to use the N symbol expires 1/6/84  
(N) (Date)

**CERTIFICATION OF DESIGN**

Design information on file at Henry Vogt Machine Co.

Stress analysis report (Class 1 only) on file at \_\_\_\_\_

Design specifications certified by (1) Stephen A. Shuman  
PE State PA Reg. No. PE-30264-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 Pennsylvania and employed by Commercial Union Ins. Co. of Boston, MA have inspected the pump, or valve, described in this Data Report on August 31, 1983, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date September 9, 1983  
[Signature] Commissions Pennsylvania #1676  
(Inspector) (Nat'l 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 8/6/91  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 Sheet 1 of 8

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
MR 000895  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLC - Maintenance Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address  
 Authorization No. "  
 Expiration Date "

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 71 Edition W'72 Addenda See N-5 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-S'83A

6. Identification of Components Repaired or Replaced and Replacement Components

Num. of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2SWS-003-50-3	Schneider Power	2-SR-30-09-SWS	N/A	173001	1986	Repaired	Yes
2-SWS-002-824-3	"	"	N/A	CI-710-021	"	Repaired	Yes
2-SWS-002-825-3	"	"	N/A	CI-710-023 Item #1	"	Repaired	Yes
Pipe Elbow	PBI Industries	N/A	N/A	Beat No. DB6M	1983	Replacement	Yes

7. Description of Work Disassembled piping to clean, replaced fitting & rewelded pipe.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 169 psi Test Temp. 68 °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: Line No. 2-SWS-003-50-3, replaced 3" elbow weld nos. 2-SWS-050-F-02 & P-03; line no. 2-SWS-002-B24-3, weld no. F-33A; line no. 2-SWS-002-B25-3, weld nos. F-17A & P-17A. N-5 data report attached.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Date Aug 14 19 91  
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 this Owner's Report during the period April 12, 1991 to July 20, 1991 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 Systems

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date August 15, 1991

FORM N-8 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER  
PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\*

As Required by the Provisions of the ASME Code Rules, Section III, Division 1 Sheet 1 of 3

- 1. Installed by Schnyder Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and address of installer of component, component supports or appurtenances)
- 2. Installed for Duquesne Light Co., One Oxford Centre, 301 Grant Street, Pittsburgh, PA 15279  
(Name and address of purchaser or owner)
- 3. N Certificate Holder having overall responsibility Stone & Webster Engineering Corporation
- 4. Location of Installation Beaver Valley Power Station Unit #2, Shippingport, PA 15077
- 5. System Identification 2-SR-30-09-SWS-1 R/A R/A Nat'l Bd. No. R/A Year Installed 1986  
(ASME Serial No.) (ICR No.) (Drawing No.)

6. Nuclear Components and Appurtenances Installed in the Field by Welding (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holders' Partial Data Reports) **578610290002**

(a) Components, or Appurtenances	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
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See Attached Sheet 3 of 3 for Partial NS Data Reports  
\*\*\*NO FURTHER ENTRIES\*\*\*

Piping System Installation

(a) Piping Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
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See attached Sheet 3 of 3 for Partial NS Data Reports  
\*\*\*NO FURTHER ENTRIES\*\*\*

Component Support Installation

(a) Component Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept. Load Spec. Data Sheet	(e) Canadian Reg. No.	(f) National Bd. No.	(g) Year Built
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Component supports are non-code, due to code effective date.  
See attached sheet 3 of 3 for partial NS data reports for integral attachment material.  
\*\*\*NO FURTHER ENTRIES\*\*\*

Additional Material Excluding Welding Material

(a) Name of Manufacturer	(b) Material Specification	(c) Dimensions
--------------------------	----------------------------	----------------

See attached Sheet 3 of 3 for Partial NS Data Reports  
\*\*\*NO FURTHER ENTRIES\*\*\*

Note: The following shortened company names are used in this report:  
SMC: Stone & Webster Engineering Corp.  
SPC: Schnyder Power Corp.  
MSBI & I CO.: Hartford Steam Boiler Inspection & Insurance Company  
PPC: POWER Piping Company

7. (a) Installation in Accordance with:

Procedure or Drawing No. See attached Sheet 3 of 3 for Partial NS Data Reports Prepared by \_\_\_\_\_  
\*\*\*NO FURTHER ENTRIES\*\*\*

(b) Description of Installation Performed:

See attached Sheet 3 of 3 for Partial NS Data Reports  
\*\*\*NO FURTHER ENTRIES\*\*\*

(c) Hydrostatic Test 1 psi. System Working Pressure 1 psi and Temp. 1 F.

\* 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 Data Report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form. See attached Sheet 3 of 3 for Partial NS Data Reports

CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at Stone & Webster Engineering Corp., Boston, MA  
Design Report on file at A stress report is not required for Class 2 or 3 piping systems  
Design specifications certified by (1) W. L. Reasden PE State Pennsylvania  
Reg. No. 28975

Design Report certified by (1) A stress report is not req'd per Code N/A  
Reg. No. for Class 2 or 3 piping systems. #See attached Sheet 3 of 3 for  
Partial NS Data Reports.

(1) Signature not required. List names only.

Design Conditions of Piping Pressure            ps            Temperature            F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, \_\_\_\_\_ Edition.  
Additional Data: \_\_\_\_\_ Code Case No. \_\_\_\_\_ Class \_\_\_\_\_ 3 and was performed in accordance with the documents listed in 7(d), above.

Our ASME Certificate of Authorization No. N-1524-1 to use the NA Symbol expires 8-12-89  
\* See attached sheet 3 of 3 for partial NS Data Reports.  
Date 10/16/86 Signed Schneider Power Corp. by [Signature] (Certificate Holder)

CERTIFICATE OF INSTALLATION INSPECTION

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 HSBI & I Co. of Hartford, CT. have inspected the installation of the items described in this Data Report on 10-17 1986 and state that, to the best of my knowledge and belief, the Certificate of Authorization Holder performed this installation in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer make any warranty, expressed or implied, concerning the installation 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 10-17 1986 Signed [Signature] Commission [Signature]  
(Inspector) (Nat'l Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement. See attached Sheet 3 of 3 for partials for material responsibilities and pressure testing.

We certify the statements made by this report are correct and that the piping system conforms to the rules of construction of the ASME Code Section III, Division 1.

Certificate of Authorization expires 6-18-88 Certificate of Authorization No. N-1513-2

Date 10/22/86 Signed Stone & Webster Engr. by [Signature]  
(Certificate Holder)

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HSBI & I Co. of Hartford, Connecticut have inspected the piping described in this Data Report on 10-28 1986 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has constructed this installation in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer make any warranty, express or implied, concerning the piping 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 10/28 1986  
Signed [Signature] Commission [Signature]  
(Inspector) (Nat'l Board, State, Province and No.)

SERVICE WATER SYSTEM (PARTIAL)  
**FORM N-8 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\***  
 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

CORRECTED COPY  
 20 11-2-84  
 7-28-30-09A-545  
 Sheet 1 of 25

1. Installed by Schneider Power Corp., 123 Seventh Street, Pittsburgh, PA 15272  
(Name and address of manufacturer of component, our parent, supplier or appurtenance)
2. Installed for Duquesne Light Co., One Oxford Centre, 301 Grant Street., Pittsburgh, PA 15279  
(Name and address of purchaser or owner)
3. N Certificate holder having overall responsibility Stone & Webster Engineering Corporation
4. Location of installation Beaver Valley Power Station Unit #2, Slipperyport, PA 15077
5. System Identification # SR-30-09A-545-R/A Att. 10 Nat'l Bd No. R/A Year Installed 1986
6. System Identification # SR-30-09A-545 (Dist. Code No.) SR30 Drawing No.

6. Nuclear Components and Appurtenances Installed in the Field by Welding (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holders' Partial Data Reports)

(a) Component or Appurtenance	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
See Attachment (1) "Parts, Components & Appurtenances"					
***NO FURTHER ENTRIES***					

**Piping System Installation**

(a) Piping Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
See Attachment (2) "Shop Fabricated Large Bore Piping Subassemblies Installed"					
See Attachment (3) "Field Modified Large Bore Subassemblies Installed"					
See Attachment (4) "Shop Fabricated Small Bore Subassemblies Installed"					
See Attachment (5) "Field Modified Small Bore Subassemblies Installed"					
***NO FURTHER ENTRIES***					

**Component Support Installation**

(a) Component Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept. Load Capoc. Data Sheet	(e) Canadian Reg. No.	(f) National Bd. No.	(g) Year Built
Component Supports are WPS-code, due to code effective date. SEE "Additional Material Excluding Welding Material" for "Component Supports Integral Attachment Only."						
***NO FURTHER ENTRIES***						

**Additional Material Excluding Welding Material**

(a) Name of Manufacturer	(b) Material Specification	(c) Dimensions
See Attachment (6) "Component Support Integral Attachment Only"		
See Attachment (7) "Additional Material"		
***NO FURTHER ENTRIES***		

Note: The following shortened company names are used in this report:  
 SNEC: Stone & Webster Engineering Corp.  
 SPC: Schneider Power Corp.  
 HSB & I CO.: Hartford Steam Boiler Inspection & Insurance Company  
 PPC: Power Piping Co.

7. (a) Installation in accordance with:  
 Procedure or Drawing No. See Attachment (8) "Design Drawings & Revisions"  
See Attachment (9) "Procedures & Specifications"  
 \*\*\*NO FURTHER ENTRIES\*\*\*

Prepared by

(b) Description of Installation Performed:  
See Attachment (10) "Description of Installation Performed"  
 \*\*\*NO FURTHER ENTRIES\*\*\*

(c) Hydrostatic Test    psi. System Working Pressure    psi and Temp    °F

\* 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 Data Report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of the form. #SEE SHEET 2 of "CERTIFICATION OF DESIGN..." footnote.

**CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION**

Design information on file at Stone & Webster Engineering Corp., Boston, MA  
 Design Report on file at A stress report is not required for Class 2 or 3 piping systems.  
 Design specifications certified by (1) W. L. Ramsden PE State Pennsylvania

Reg No 28975

Design Report certified by (1) A stress report is not req'd PE State N/A  
 Reg No for Class 2 or 3 piping systems. # SEE ATTACHMENT (11) "System Working & Design, Pressure Temperature & Hydrostatic/ Pneumatic Tests"

(1) Signature not required. List name only.

Design Conditions of Piping Pressure psi Temperature F.

**CERTIFICATE OF INSTALLATION COMPLIANCE**

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, 1971 Edition, Addenda Date WILNER '72 & Code Case No. Class 3 and was performed in accordance with the documents listed in 7(a), above.

Our ASME Certificate of Authorization No. N-1874-1 to use the NA Symbol expires 8-12-89  
 Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
 Date 10/18/86 Signed [Signature] (In Name of Certificate Holder)

\* SEE ATTACHMENT (12) "Later Code Editions & Addenda Invoked and Code Cases Invoked"

**CERTIFICATE OF INSTALLATION INSPECTION**

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 HSB & I Co. of Hartford, CT, have inspected the installation of the items described in this Data Report on 10-17-86 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed the installation in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the inspector nor his employer make any warranty, expressed or implied, concerning the installation 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 10-17-86 Signed [Signature] (Inspector) Commissions PA 2212-N (Nat'l Board, State, Province and No.)

**CERTIFICATE OF COMPLIANCE**

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement. Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.

We certify the statements made by this report are correct and that the piping system conforms to the rules of construction of the ASME Code Section III, Division 1.

Certificate of Authorization expires 6-18-88 Certificate of Authorization No. N-1513-2

Date 10/27/86 Signed Stone & Webster Engr. by [Signature] (In Certificate Holder)

**CERTIFICATE OF INSPECTION**

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB & I Co. of Hartford, Connecticut have inspected the piping described in this Data Report on 10-28-86 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has constructed the installation in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the inspector nor his employer make any warranty, express or implied, concerning the piping 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 10/28-1986 Signed [Signature] (Inspector) Commissions PA 2052-N (Nat'l Board, State, Province and No.)

N-5 DATA REPORT  
~~ATTACHMENT 10~~ *RK 10-21-86*  
*10-21-86*  
*10-21-86*

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer, of Parts, Components, and Apparatuses)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWS) 2-SR-30-09-SWS-1 YEAR INSTALLED 1986  
(Mfr. Serial No.)

PARTIAL N5 DATA REPORT LISTING

Continued from Sheet: 1 & 2

PARTIAL PACKAGE E/N	No. of Pages
2-SR-30-09A-SWS	25
2-SR-30-09C-SWS(MOD)	3
2-SR-30-09E-SWS(MOD)	3

\*\*\*NO FURTHER ENTRIES\*\*\*

The installation of partials 2-SR-30-09C-SWS and 2-SR-30-09E-SWS was performed by SWEC under certificate of authorization N-576-3, for which SWEC is assuming overall responsibility as the N-Certificate holders.

*RK 10-21-86*  
*10-21-86*  
*10-21-86* and N-577-3  
*10/14/86*  
*10-21-86*  
*10-21-86*

Printed on Sheet N/A

Date: <u>10/16/86</u>	<u>Schneider Power Corp.</u> <small>N5 Certificate Holder</small>	Signed: <u>[Signature]</u>
Date: <u>10/22/86</u>	<u>Stone &amp; Webster Eng. Corp.</u> <small>N5 Certificate Holder</small>	Commission: <u>[Signature]</u>
Date: <u>10/22/86</u>	<u>[Signature]</u> <small>N5 Certificate Holder</small>	Commission: <u>[Signature]</u>

*RK 10/16/86*  
(Mfr. Serial No., State and No.)

N-S DATA REPORT  
ATTACHMENT 1

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Appurtenances)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWS) E-88-30-69-SWS-1 YEAR INSTALLED 1986  
(Inst. Serial No.) 2-SK-30-09A-SWS

Continued from Sheet 3

\*710-016

710-029

PARTS, COMPONENTS, & APPURTENANCES

(A) Item No.	(B) Part, Components or Appurtenances	(C) Name of Certificate Holder	(D) Serial No.	(E) Canadian Reg. No.	(F) National Brl. No.	(G) Year Built	(H) Isometric & Isometric Item No.
16	VOS060-CZ-3	HENRY VOGT CO.	156-214959	NA	NA	1983	710-029 (ITEM#6)
17	2SWS*TCV101B	TARGET ROCK	2	NA	NA	1984	173099 (ITEM#11)
18	VOS060-C-3	DRESSER IND.	H277AAG	NA	NA	1978	173099 (ITEM#12)
19	VOS060-C-3	DRESSER IND.	H280AAG	NA	NA	1978	173099 (ITEM#13)
20	VOW015-A-3	WALMORTH CO.	D-66389	NA	1881	1980	173003 (ITEM#2)
21	VOS060-C-3	DRESSER IND.	H306AAE	NA	NA	1978	173003 (ITEM#3)
22	VOS060-CZ-3	HENRY VOGT CO.	143-214959	NA	NA	1983	173003 (ITEM#4)
23	VOS060-CZ-3	HENRY VOGT CO.	130-214959	NA	NA	1983	173003 (ITEM#5)
24	VW060-A-1	WALMORTH CO.	D66417	NA	1678	1978	173002 (ITEM#1)
25	VOS060-C-3	DRESSER IND.	H279AAG	NA	NA	1978	173002 (ITEM#2)
26	VOS060-B-3	DRESSER IND.	H951AAD	NA	NA	1978	710-016 (ITEM#7)
27	2HYC*ACU201B	CARRIER CORP.	8094698-2	NA	146703	1980	173002* 173003
28	VCS060-AZ-3	HENRY VOGT CO.	7-214959	NA	NA	1983	710-023 (ITEM#12)
29	VCS060-BZ-3	HENRY VOGT CO.	77-214959	NA	NA	1983	710-023 (ITEM#14)
30	VOS060-CI-3	HENRY VOGT CO.	247-214959	NA	NA	1983	710-023 (ITEM#15)

Continued on Sheet 5

Date 10/2/86 Schneider Power Corp. Signed [Signature]  
NA Certificate Holder  
 Date 10/2/86 Stone & Webster Eng. Corp. Signed [Signature]  
NA Certificate Holder  
 Date 10/28/86 [Signature] Commissioned [Signature]  
NA Certificate Holder

N-S DATA REPORT  
 ATTACHMENT 2

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Assemblies)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
 PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWS) 2-08-30-09-SVS-1 YEAR INSTALLED 1986  
(Date, Serial No.) ~~2-SR-30-09A-SVS~~ ~~10-1-86~~

Continued from Sheet 1

SHOP FABRICATED LARGE BORE PIPING SUBASSEMBLIES INSTALLED

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
Item No.	Piping Subassembly	Name of Certificate Holder	Serial No.	Canadian Reg. No.	National Bd. No.	Year Built	Isometric No.
1	SWS-50-2	Power Piping Co.	N-1141-5055	NA	NA	1980	173001
2	SWS-50-3	Power Piping Co.	N-1141-5056	NA	NA	1981	173001
3	SWS-57-2	Power Piping Co.	N-1141-5757	NA	NA	1981	173004
4	SWS-61-1	Power Piping Co.	N-1141-5061	NA	NA	1981	173003
5	SWS-61-2	Power Piping Co.	N-1141-5062	NA	NA	1981	173003
6	SWS-61-3	Power Piping Co.	N-1141-5063	NA	NA	1980	173003
7	SWS-61-4	Power Piping Co.	N-1141-5064	NA	NA	1980	173003
8	SWS-61-5	Power Piping Co.	N-1141-5065	NA	NA	1980	173003
9	SWS-61-6	Power Piping Co.	N-1141-5755	NA	NA	1982	173003
10	SWS-52-4	Power Piping Co.	N-1141-5060	NA	NA	1981	173002

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A Date 11/2/86 Schneider Power Corp. Signed [Signature]  
NA Certificate Holder  
 Date 10-1-86 [Signature] Commissioned [Signature]  
NA Certificate Holder  
 Date 10/27/86 Stone & Webster Eng. Corp. Signed [Signature]  
NA Certificate Holder  
 Date 10/28/86 [Signature] Commissioned [Signature]  
NA Certificate Holder

RK 10/16/86  
 [Signature]  
 [Signature]  
 [Signature]



**N-S DATA REPORT  
ATTACHMENT 3**

2-SR-30-09A-SWS ~~SR-30-09-SWS-1~~  
RK 10/16/86 Sheet 7 Of 25

INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Accessories)  
 INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
 PITTSBURGH, PENNSYLVANIA 15279  
 N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.  
 LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077  
 SYSTEM IDENTIFICATION Service Water System (SWS) 2-SR-30-09-SWS-1 YEAR INSTALLED 1986  
(Unit, Serial No.) 2-SR-30-09A-SWS RK 10/16/86

Continued from Sheet 1

\* Modified 1984

FIELD MODIFIED LARGE BORE SUBASSEMBLIES INSTALLED

A)	(B)	(C)	(D)	(E)
Item No.	Large Bore Subassemblies No./Serial No.	Name of Certificate Holder	Large Bore Isometric Number	Year Built
1	SWS-44-1A/B-1141-505*	Power Piping Co.	173001	1980*
2	SWS-44-1B/W-1141-5051	Power Piping Co.	173001	1980*
3	SWS-44-2B1/W-1141-5052	Power Piping Co.	173001	1980*
	SWS-44-1B2/W-1141-5052	Power Piping Co.	173001	1980*
5	SWS-44-3A1/W-1141-5053	Power Piping Co.	173001	1980*
6	SWS-44-3A2B/W-1141-5053	Power Piping Co.	173001	1980*
7	SWS-44-3B/W-1141-5053	Power Piping Co.	173001	1980*
8	SWS-44-3D/W-1141-5053	Power Piping Co.	173001	1980*
9	SWS-50-4A/W-1141-5054	Power Piping Co.	173001	1980*
0	SWS-50-4C/W-1141-5054	Power Piping Co.	173001	1980*
1	SWS-55-1A/2-SWS-173004-3	Power Piping Co.	173004	1980*
2	SWS-518-1A/2-SWS-173004-5	Power Piping Co.	173004	1981*
3	SWS-518-1B/2-SWS-173004-5	Power Piping Co.	173004	1981*
4	SWS-57-1A/W-1141-5069	Power Piping Co.	173004	1982*
5	SWS-57-1C/W-1141-5069	Power Piping Co.	173004	1982*

Continued on Sheet 8 Date 10/16/86 Schneider Power Corp. Signed [Signature]  
(Name and Address of Installer of Parts, Components, and Accessories)  
 Date 4-7-84 [Signature] Commissioned [Signature]  
(Date of Installation)  
 Date 10/27/86 Stone & Webster Eng. Corp Signed [Signature]  
(Name and Address of Certificate Holder)  
 Date 10/28/86 [Signature] Commissioned [Signature]  
(Date of Installation)

**N5 DATA REPORT  
 ATTACHMENT 7**

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Appliances)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Date: System (SWS) ~~2-02-90-09-0W0-1~~ YEAR INSTALLED 1986  
(Mfr. Serial No.) 2-SR-30-09A-SWS ~~2-10-1-86~~

Continued from Sheet 16

**ADDITIONAL MATERIAL**

SWEC as the N Certificate Holder accepting overall Code responsibility and subcontracting installation to appropriate NA Certificate Holders retains primary Code responsibility for material purchased by SWEC and provided to installers at Beaver Valley - Unit 2. In satisfying this responsibility, SWEC performs and documents inspections and documentation reviews required to establish Code acceptance of the material. Installers are responsible for verifying SWEC acceptance of the material and for assuring the use of specified, properly identified and undamaged material.

(A) Item No.	(B) Isometric No. & Isometric Item No.	(C) Additional Material Identification Including Dimensions	(D) Material Description Specification, Heat No./Heat Code (See Manuf. Data Package for Manuf. Info.)
★ 85	710-023(ITEM#1,16)	2" PIPE	SCH.80 SMLS.SA106 GR.B HT#165995 ★
86	710-023(ITEM#2)	1" PIPE	SCH.80 SMLS.SA106 GR.B HT#E48962
87	710-023(ITEM#3)	3/4" PIPE	SCH.80 SMLS.SA106 GR.B HT#E48583
88	710-023(ITEM#4,17)	2" 90° ELBOW	F.S. S/W 3000# SA105 HT#RW2S
89	710-023(ITEM#5)	2" 45° ELBOW	F.B. S/W 3000# SA105 HT#RG2X-1
90	710-023(ITEM#6)	2" TEE	F.S. S/W 3000# SA105 HT#XR2S
91	710-023(ITEM#7)	2"x1"REDUCING COUPLING	F.S. S/W 3000# SA105 HT#SW2S1
92	710-023(ITEM#8)	2"x3/4" REDUCING INSERT	F.S. S/W 3000# SA105 HT#AC7X
93	710-023(ITEM#9)	1" FLANGE	150#(RF)S/W SA105 BORE SCH.80 HT#RD2Y
94	710-023(ITEM#11)	1/2" STUD BOLT	SA193 GR.B7 NA
95	710-023(ITEM#11)	1/2" HEX NUT	SA194 GR.2H NA
96	710-023(ITEM#18)	2" 45° ELBOW	F.S. S/W 3000# SA105 HT#RZ2B3

Continued on Sheet 18

Date 10/14/86 Schneider Power Corp. Signed [Signature]  
NA Certificate Holder

Date 09/27/86 [Signature] Commissions [Signature]  
APII Signature

Date 10/27/86 Stone & Webster Eng. Corp. Signed [Signature]  
NA Certificate Holder

Date 10/28/86 [Signature] Commissions [Signature]  
APII Signature

RK 10/16/86

N-5 DATA REPORT  
ATTACHMENT 7

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
Name and Address of Installer, of Parts, Components, and Accessories
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit 2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWS) 2-SR-30-09-SWS-1 YEAR INSTALLED 1986  
(Unit, Serial No.) 2-SR-30-09A-SWS 11/18/86

Continued from Sheet 17ADDITIONAL MATERIAL

SWEC as the N Certificate Holder accepting overall Code responsibility and subcontracting installation to appropriate NA Certificate Holders retains primary Code responsibility for material purchased by SWEC and provided to installers at Beaver Valley - Unit 2. In satisfying this responsibility, SWEC performs and documents inspections and documentation reviews required to establish Code acceptance of the material. Installers are responsible for verifying SWEC acceptance of the material and for assuring the use of specified, properly identified and undamaged material.

(A) Item No.	(B) Isometric No. & Isometric Item No.	(C) Additional Material Identification Including Dimensions	(D) Material Description Specification, Heat No./Heat Code (See Manuf. Data Package for Manuf. Info.)
97	710-023 (ITEM#20, 21)	2" PIPE	SCH.80 SMLS.SA106 GR.B HT#24L-2
98	710-021 (ITEM#15, 18, 30)	2" PIPE	SCH.80 SMLS.SA106 GR.B HT#Z48992
99	710-021 (ITEM#16, 21)	2" 90° ELBOW	F.B. S/W 3000# SA105 HT#RW25
100	710-021 (ITEM#20)	3/4" PIPE	SCH.80 SMLS.SA106 GR.B HT#Z48583
101	710-021 (ITEM#22)	2" TEE	F.B. S/W 3000# SA105 HT# R22J
102	710-021 (ITEM#23)	2"x3/4" REDUCING INSERT	F.S. S/W 3000# SA105 HT# S22J
103	710-021 (ITEM#24)	2"x1 1/2" REDUCING COUPLING	F.S. S/W 3000# SA105 HT#SR2R2
104	710-021 (ITEM#25)	1 1/2" FLANGE	150#(RF)S/W SA105 BORE SCH.80 HT#RR2U
105	710-021 (ITEM#27)	1/2" STUD BOLT	SA193 GR.B7 NA
106	710-021 (ITEM#27)	1/2" HEX NUT	SA194 GR.2H NA
107	710-021 (ITEM#31)	1 1/2" PIPE	SCH.80 SMLS.SA106 GR.B HT#D65277
108	710-021 (ITEM#33)	2" COUPLING	F.B. S/W 3000# SA105 HT#SJ2U

Continued on Sheet 19

Date 10/9/86 Schneider Power Corp. Signed [Signature] RK 10/16/86  
NA Certificate Holder

Date 10/27/86 Stone & Webster Eng. Corp. Signed [Signature]  
NA Certificate Holder

Date 10/28/86 [Signature] Commissions [Signature]  
NA Certificate Holder (Noty Board, State and Fed.)

N-8 DATA REPORT ATTACHMENT B

- 1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222
- 2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
- 3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
- 4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
- 5. SYSTEM IDENTIFICATION Service Water System (SWS) 2-00-30-09-SWS-1 YEAR INSTALLED 1986

Continued from Sheet 1

PROCEDURES & SPECIFICATIONS

Procedures and Specifications	Prepared By
2BVS-920 REVISION 10 ADDENDUM 1 E&DCR/2PS-4383	SWEC
2BVS-939 REVISION 6 ADDENDUM 3	SWEC
USC NUCLEAR SITE Q.A. MANUAL WITH BV2 ADDENDUM	SFC
SWEC COMPANY QUALITY ASSURANCE AND CONTROL MANUAL, ASME, SECTION III, DIVISION 1, WITH 21/BV APPENDIX	SWEC

\*\*\*NO FURTHER ENTRIES\*\*\* 10/10/86

The following specifications have been updated to incorporate the stress reconciled as-installed isometrics, N-5 boundary diagram, and E&DCRs and E&Os that are applicable to this N-5 package. These specification changes do not affect the ASME III fabrication/installation within the boundaries of this N-5 package.

- 2BVS-920 Revision 10, Addendum 3
- 2BVS-939 Revision 7, Addendum 3
- 2BVS-550 Revision 2, Addendum 2

M.P. SWEC 10-27-86

Continued on Sheet N/A

Date 10/2/86 Schneider Power Corp. Signed [Signature]  
N/A Certificate Holder

Date 10/2/86 [Signature] Commissioned [Signature]  
N/A Certificate Holder

Date 10/2/86 Stone & Webster Eng. Corp. Signed [Signature]  
N/A Certificate Holder

Date 10/2/86 [Signature] Commissioned [Signature]  
N/A Certificate Holder

10/10/86

N-5 DATA REPORT  
ATTACHMENT 10

CORRECTED COPY

INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222

INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15279

N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.

LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077

SYSTEM IDENTIFICATION Service Water System (SWS) ~~2-SR-30-09-SWS~~ YEAR INSTALLED 1986  
(Mfr. Serial No.) 2-SR-30-09A-SWS ~~2-SR-30-09-SWS~~

DESCRIPTION OF INSTALLATION PERFORMED

Continued from Sheet 1

Drawing No. and Rev.	Prepared By	Drawing No. and Rev.	Prepared By
3001-0F	PFC & SPC		
3002-0G	PFC & SPC		
3003-1E	PFC & SPC		
3004-0F	PFC & SPC		
<del>3007-1F</del>	<del>PFC &amp; SPC</del>	<del>2-SR-30-09-SWS</del>	
3009-0E	PFC & SPC	<del>2-SR-30-09-SWS</del>	
0-010-5	SPC		
0-016-5	SPC		
0-021-6	SPC		
0-023-6	SPC		
0-029-6	SPC		
LAV 10	DRAVO, SWEC & S.		
LAV 13	DRAVO, SWEC & SPC		
LAV 23A	DRAVO, SWEC & SPC		

OTHER ENTRIES

Specific Level Control Drawings designated as "AC" have been reconciled with the drawing revision listed and have no impact on the ASME III Code. Labels on installation delineated in this N-5 data report.

Hand on File: 710 Date 10/17/86 Schneider Power Corp. Signed [Signature]  
 Date 10/17/86 Commissioner [Signature]  
 Date 10/27/86 Stone & Webster Eng. Corp. Signed [Signature]  
 Date 10/27/86 Commissioner [Signature]

RK 10/16/86

N-6 DATA REPORT  
ATTACHMENT 12

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name, and Address of Installer of Parts, Components, and Accessories)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15270
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWS) ~~2-6R-30-09-090-1~~ YEAR INSTALLED 1986  
(Ref. Serial No.) 2-SR-30-09A-SWS KN 10-11-86

Continued from Sheet 2

LATER CODE EDITION(S) AND ADDENDA(S) INVOKED, AND CODE CASES INVOKED

Later Edition(s)/Addenda(s) of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, invoked for use during Plant construction. As authorized by the Design Specification, material may have been procured and certified to later Editions/Addenda of the ASME Code. The specific Edition/Addenda to which the material was procured and certified is identified on the Certified Material Test Report or Certificate of Compliance furnished with the material and referenced on Attachment (7) to this N-5 Data Report.

Edition	Addenda	Subsection	Paragraphs	Authorizing Document(s)
1980	Winter 1981	WB/WC/WD	4427-1	2BVS-920
1980	Winter 1982	BCA	8000	2BVS-920
1974	Summer 1976	EX	4435	2BVS-920
1980	Summer 1981	BCA	8240(b)	2BVS-920
1974	N/A	WB/WC/WD	3641.1	2BVS-939
1977	Summer 1978	WC/WD	3643.1	2BVS-939
1977	Summer 1978	WC/WD	3643.3	2BVS-939
1983	Summer 1983	Appendix V	N/A	2BVS-920
1974	N/A	WD	4231.2	2BVS-920
1983	N/A	WB	6111	2BVS-920
1980	Summer 1981	EX	6211	2BVS-920
1980	Summer 1980	BCA	1273	2BVS-920
1983	Winter 1983	WC/WD	4436	2BVS-920

\*\*\*NO FURTHER ENTRIES\*\*\*

Code Case(s) invoked for installation or testing

Code Case Number	Authorizing Document(s)	Code Case Number	Authorizing Document(s)
N-224	2BVS-920	N-292	2BVS-920
N-240	2BVS-920	1606-1	2BVS-939
N-275	2BVS-920	N-392	2BVS-939

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A Date 4/8/86 Schneider Power Corp. Signed [Signature]  
NA Certificate Holder  
 Date 10/1/86 [Signature] Commissions [Signature]  
NA Certificate Holder  
 Date 10/27/86 Stone & Webster Eng. Corp. Signed [Signature]  
NA Certificate Holder  
 Date 10/29/86 [Signature] Commissions [Signature]  
NA Certificate Holder

RK 10/10/86

(Not Board Stamp and No.)

(Not Board Stamp)

**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 10/21/91  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 4  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR 003730  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Maint. Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Auxilliary Feedwater  
Section VIII 1567

5. (a) Applicable Construction Code Section III 1971 Edition S'73 Addenda N-38 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)
2FWE-P22 Lube Oil Clr.	Ametek S&K Div.	79390	561	Horiz. Ht. Exch.	1980	Repaired	Yes

7. Description of Work Replaced bolting on lube oil cooler end covers

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

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

FORM NIS-2 (Back)

9. Remarks NPV-1, U-1, N-2 NPT forms attached. The lubr oil coolers SA193-B8  
bolting was replaced with SA193-GR B7 studs and SA194-GR 2H nuts per  
temporary modification No. 2-91-17.

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 X' repair or replacement

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

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

Signed [Signature] ENGR Date 1/27/91 19 91  
 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 this Owner's Report during the period Oct. 19 to           , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual Systems

[Signature] Commissions NB 8316 PA 2215  
 Inspector's Signature National Board, State, Province, and Endorsements

Date Nov. 22, 1991



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 Bingham-Willamette Company, 2800 NW Front Ave., Portland, OR 97210  
(Name and Address of N Certificate Holder)

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

3. Location of Installation Beaver Valley - Unit 2, Shippingport Borough, PA  
(Name and Address)

4. Pump or Valve (1) Pump Nominal Inlet Size 6 (inch) Outlet Size 3 (inch)

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

3 X 6 X 9 C MSD 230701 NA FD-230701 Rev. 7 3 NB-258 1977

- (1) \_\_\_\_\_
- (2) \_\_\_\_\_
- (3) \_\_\_\_\_
- (4) \_\_\_\_\_
- (5) \_\_\_\_\_
- (6) \_\_\_\_\_
- (7) \_\_\_\_\_
- (8) \_\_\_\_\_
- (9) \_\_\_\_\_
- (10) \_\_\_\_\_

5. Steam Generator Auxiliary Feedwater Pump will supply the Steam Generator with feed-water in the event of an accident or shutdown.  
(Brief description of service for which equipment was designed)

6. Design Conditions 1200 psi 120° °F or Valve Pressure Class NA (1)

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

8. Pressure Returning Pieces \_\_\_\_\_

Mark No.	Material Spec. No.	Manufacturer	Remarks
<i>(a) Castings</i>			
2117575-1	ASME SA-216	Atlas	Case, Bottom (1:1)
2117575-1	ASME SA-216	Atlas	Case, Top (8:1)
<i>(b) Forgings</i>			
20374	ASME SA 106 Gr. B	Gulf States	Press. Relief Pipe (1.7)
JB3815	ASME SA 106 Gr. B	Kittby	Case Pipe Nips (2 & 9)
HE6252	ASME SA 106 Gr. B	Gulf States	Pipe, Cooling (176.1)
C OF C	ASME SA 105	Consolidated Supply	Flbow, Cooling (176.2)*
C OF C	ASME SA 105	Consolidated Supply	Union, Cooling (176.3)*
C OF C	ASME SA 105	Consolidated Supply	Bushing Cooling (176.4)*
C OF C	ASME SA 105	Consolidated Supply	Valve, Cooling (176.5)*

BINGHAM WILLAMETTE  
PORTLAND, ORE

(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.

Duquesne Light Company

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
78149	ASME SA-193 B7	Copper Weld Steel	Case Studs (3)
78149	ASME SA-193 B7	Copper Weld Steel	Case Studs (4)
40203	ASME SA-194 2H	Coulter Steel	Case Capnuts (5)
(d) Other Parts			
79390	ASME SA-312 T304	Ametek	Lube Heat Exch'r (290)

B. Hydraulic test 2325 psi. Disk Differential test pressure \_\_\_\_\_ (psi).

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971.

Addenda S173 Code Case No. \_\_\_\_\_ Date MAY 25 1982

Signed Bingham-Willamette Company by R.D. Carter

Our ASME Certificate of Authorization No. N-1654 to use the 2/28/83 symbol expires \_\_\_\_\_ (Date)

**CERTIFICATION OF DESIGN**

Design information on file at Bingham-Willamette Company

Stress analysis report (Class 1 only) on file at Bingham-Willamette Company

Design specifications certified by (1) Carl Richardson

PE State PA Reg. No. 16297-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 Oregon and employed by Department of Commerce have inspected the pump, or valve, described in this Data Report on June 25 1982 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 6/25 1982

[Signature] Commissions NBS036 CRW  
Inspector (N.B. Bd., State, Prov. and No.)

BINGHAM-WILLAMETTE COMPANY  
PORTLAND, OREGON

FORM N-2 (back)

Items 4-6 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material N/A T.S. --- Nominal Thickness --- in. Corrosion Allowance --- in. Dia. --- ft. --- in. Length --- ft. --- in.  
(State & Spec. No.) (Min. of Range Specified)

5. Section Long N/A H.T. --- R.T. --- Efficiency --- %

Grid N/A H.T. --- R.T. --- No. of Courses ---

6. Heads: (a) Material N/A T.S. --- (b) Material --- T.S. ---

Location	Thickness	Crown Radius	Skew Radius	Skipped Area	Conical Apex Angle	Non-spherical Radius	Flare Diameter	Note to Proc. (Conn. or Conn.)
(a) Top, bottom, ends	<u>N/A</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
(b) <u>N/A</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

If removable, bolt used --- Other fastening ---  
(Describe or attach sketch) (Describe or attach sketch)

7. Jacket Closure: N/A  
(Describe or attach sketch, see, etc. if bar pins, doublers, or lapped, or riveted or welded)

8. Design pressure: N/A psi at --- °F  
Drop Weight ---  
Churn Impact --- ft-lb  
at temp. of --- °F

Items 9 and 10 to be completed for tube sections

9. Tube Section: Stationary, Material SA240-304 Dia. 7.125" Thickness 1.125 in. Attachment Welded  
(State & Spec. No.) (Subject to procedure) (Welded, Bolted)

10. Tube Material SA213-T304 Dia. 7.125 in. Thickness 0.35 in. Attachment ---  
Flaring Material N/A Dia. --- Thickness --- in. Attachment ---  
Number 24 Type STRAIGHT  
(See, or M)

Items 11-14 incl. to be completed for jackets of jacketed vessels or shells of heat exchangers.

11. Shell: Material N/A T.S. --- Nominal Thickness --- in. Corrosion Allowance --- in. Dia. --- ft. --- in. Length --- ft. --- in.  
(State & Spec. No.) (Min. of Range Specified)

12. Section Long N/A H.T. --- R.T. --- Efficiency --- %

Grid N/A H.T. --- R.T. --- No. of Courses ---

13. Heads: (a) Material --- T.S. --- (b) Material SA240-T304 T.S. 75,000

Location	Thickness	Crown Radius	Skew Radius	Skipped Area	Conical Apex Angle	Non-spherical Radius	Flare Diameter	Note to Proc. (Conn. or Conn.)
(a) Top, bottom, ends	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
(b) Channel	<u>0.75"</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>10.5"</u>	<u>CONCAVE</u>

If removable, bolt used (a) --- (b) --- (c) --- Other fastening ---  
(Describe or attach sketch) (Describe or attach sketch)

14. Design pressure: 230 psi at 200 °F  
Drop Weight ---  
Churn Impact --- ft-lb  
at temp. of --- °F

Items below to be completed for all vessels where applicable.

15. Safety Valve: Orifice Number --- Size --- Location ---

16. Nozzles

Flange (NOM. ORIGIN, ORIGIN, ORIGIN)	Number	Dia. or Size	Type	Material	Thickness	Base material	How Attached
Tube In/Out	<u>1</u>	<u>1"</u>	<u>NP</u>	<u>SA240-T304</u>	<u>0.75"</u>	<u>---</u>	<u>Integral</u>

17. Inspection Hatches, No. --- Size --- Location ---  
Openings Handholes, No. --- Size --- Location ---  
Threaded, No. --- Size --- Location ---

18. Supports: Shim NO Legs --- Legs --- Other --- Attached ---  
(Yes or No) (Number) (Number) (Describe) (Where & How)

If Pressure Non-Treated. Also other sections or material properties with additional requirements where applicable.

FORM N-3 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES\*

As required by the Provision of the ASME Code Rules, Section III, Div. 1 Unit "A"  
N77-40166

1. (a) Manufactured by AMETEK/Schutte & Koerting Division, Bethayres, Pa.  
(Name and address of NPT Certificate Holder)
- (b) Manufactured for Bingham-Willamette, Co., 2800 N.W. Front Ave., Portland, Or.  
(Name and address of Certificate Holder for commercial nuclear equipment)
2. Manufacturer-Certificate Holder's Serial No. of Part 79390 Part Id. No. N/A
- (a) Constructed According to Drawing No. B27506-R.3 Drawing Prepared by AMETEK/S&K Div.
- (b) Description of Part Inspected Tube-side of Bearing Oil Cooler (TP-1-V-2, Sz 6-Y-42)
- (c) Applicable ASME Code Section III, Edition 1971, Addenda date S'1973, Case No. N-38 Class 3
3. Remarks The Heat Exch. removes Heat from the Lube Oil from the Pump  
(Brief description of service for which component was designed)  
Bearings, Gear, and Motor (if applicable) and then re-introduced into  
the system for Lubrication. BWC PO#1-31804, Cont. #230701. Corrosion  
Allowance Tube-side .010.

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

Date 2-23- 19 80 Signed AMETEK/S&K Division By F. V. Lighton  
(NPT Certificate Holder)

Certificate of Authorization Expires 9-30-80 Certificate of Authorization No. 1871

CERTIFICATION OF DESIGN FOR APPURTENANCE (where applicable)

Design information on file at AMETEK/Schutte & Koerting Division, Bethayres, Pa.

Stress analysis report on file at AMETEK/Schutte & Koerting Division, Bethayres, Pa.

Design specifications certified by F. Marshall Hauck Prof. Eng. State OR Reg. No. 6816

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

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PENNS. and employed by FACTORY Mutual Systems of NORWOOD, MASS. have inspected the part of a pressure vessel described in this Partial Data Report on 22<sup>ND</sup> OF FEBRUARY 19 80 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

\*Allendale Mutual Insurance Company

Date 2-23- 19 80

[Signature]  
Inspector's Signature

Commission # 48 3954 PA 1514  
National Board, State, Province and No.

\* Figures obtained submitted by form of scales, dimension or drawings may be used provided (1) scale is 30" x 11", (2) information is taken 1-2 on this form. (3) form is completed on each scale, and (4) each scale is maintained and verified at least as required in each 6 "Inspection".

Tube side-water  
↓  
ASME III

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS Unit "A"  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 N77-40166

1. Manufactured by AKETEX/Schutte & Koerting Division, Bethayres, Pa.  
 2. Manufacturer for Bingham-Willamette Company, 2800 N.W. Front Ave., Portland, Or.  
 3. Location of installation Duquense  
 4. Type Horiz. Ht. Exch. Vessel No. 74790 --- B27506-R.3 561 Year Built 1980  
 5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1971 and Addenda to SEPAR'73 and Code Case No. 1567 Special service per UG-120(a) N/A

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: Items 12 through 17 covered on Form N-2 NPT for Tube side of Oil Cooler (TP 1-V-2, S2 6-Y-42)

6. Shell: Material SA 112-30 Minimum Thickness 1.36 in. Corrosion Allowance .01 in. Diam. 0 R 6 in. Length 123 in.  
 7. Seams: Longitudinal SMLS R.T. N/A Efficiency 70 % H.T. Temp N/A F  
 Trans. N/A Girth N/A R.T. N/A No. of Courses  
 8. Heads: Ld Material N/A Dtl Material

Location (Top, Bottom, End)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
Ld	N/A				
Dtl					
Coneical Apex Angle	Noncylindrical Radius	Flat Diameter	Side to Pressure Convex or Concave		
Ld					
Dtl					

If reinforcement, bolts used describe other fastenings N/A

9. Type of Joints N/A Press Test  
 10. Joint Closure N/A If var. give dimensions  
 11. Computed for max. allowable working pressure 150 psi at max temp. 700 F Min. temp. below 100 F  
 Hydrostatic, pneumatic, or combination test pressure 225 psi  
 12. Tubewelds: Secondary-Material N/A Diam. --- in. Minimum Thickness --- in. Corrosion Allowance N/A in. Attachment --- in. Attachment --- in. Attachment --- in.  
 Minimum Thickness N/A in. Corrosion Allowance --- in. Attachment --- in.  
 13. Tubes: Material N/A O.D. --- in. Minimum Thickness --- in. or group Number --- Type ---

14. Shell: Material N/A Minimum Thickness --- in. Corrosion Allowance --- in. Diam. --- R --- in. Length --- in.  
 15. Seams: Longitudinal N/A R.T. Efficiency --- % H.T. Temp --- F Trans. --- Girth N/A R.T. No. of Courses  
 16. Heads: Ld Material N/A Dtl Material

Location (Top, Bottom, End)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
Ld	N/A				
Dtl					
Coneical Apex Angle	Noncylindrical Radius	Flat Diameter	Side to Pressure Convex or Concave		
Ld					
Dtl					

If reinforcement, bolts used describe other fastenings N/A

17. Constructed for these allowable working pressures N/A psi at these temps. --- F. Min. temp. (only if less than -20 F) --- F. Hydrotest, pneumatic, or explosion test pressure --- psi.

Some entries to be completed for all vessels where applicable  
 1. Safety Valve Outlet: Number --- Size --- Location Elsewhere In System

18. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dist. or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached
Shell In/Out	1 ss	1.0"	Cplg	SA182-P304	6000#	Inherent	Welded
Shell Drain	1	0.75"	Cplg	SA182-P304	6000#	Inherent	Welded
---	---	---	---	---	---	---	---

19. Inspection Openings:

Manholes No. --- Size --- Location ---  
 Handholes No. --- Size --- Location ---  
 Threaded No. Per DG-46 Size --- Location ---

20. Supports: Bolt No Lug --- Other Cradles (2) Attached Shell/Welded

21. Remarks: The Heat Exch. removes heat from the Lube Oil from the Pur Gear, and Motor (if applicable) and re-introduced into the s for Lubrication. BWC P02 1-31804 BWC Cont #230701

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date 2-22-80 Signed AMETEK/SUK Division By A. V. Leighton  
 (Manufacturer) (Inspector)  
 "U" Certificate of Authorization No. 17564 expires Oct 6, 1982

CERTIFICATE OF SHOP INSPECTION

Vessel made by AMETEK/Schutte & Koerting Div. # Bethayres, Pa.  
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors under the State or Province of PENNA. and employed by FACTORY MUTUAL SYSTEMS of HORWOOD, MISSOURI have inspected this pressure vessel described in this Manufacturer's Data Report on FEB. 22, 1980 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. Allendale Mutual Insurance Company.

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

Date FEB 22, 1980  
 Signed [Signature] Commissioner NR 3954 P156  
 (Inspector) (N.B. Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE FOR FIELD WORK

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date --- Signed --- By ---  
 (Manufacturer) (Representative)  
 "U" Certificate of Authorization No. --- expires 19---

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors under the State or Province of --- and employed by --- of --- have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as --- 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 Manufacturer has constructed and assembled the pressure vessel in accordance with ASME Code, Section VIII, Division 1.

The described vessel was inspected and subjected to a hydrostatic 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 Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date ---  
 Signed --- Commissioner ---  
 (Manufactured Inspector) (N.B. 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 Date March 19, 1992  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR #007870  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Service Air

5. (a) Applicable Construction Code Section III 1977 Edition S'79 Addenda ----- Code Case -----  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2SAS-15	Henry Vogt	384-2149 59	----	2" Globe Valve	1983	Repaired	Yes

7. Description of Work Replaced valves disc

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure                      psi Test Temp.                      °F  
 \* 2BVT 1.47.5

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 NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed *Norman J. White* Eng I Date March 20, 19 92  
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 this Owner's Report during the period March 13 to April 15, 1992 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 Systems

*G. Muckel* Commissions NB8816 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date April 15, 1992



SERIAL NO: 384-214959  
 MARK NO: 2SAS-15  
 TYPE: VOS060-CZ-2  
 COMMENTS:

Revised 10/13/83  
**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 Berry Vogt Machine Co., Louisville, KY  
 (Name and Address of Certificate Holder)  
 2 Manufactured for Duquesne Light Co., Pittsburgh, PA  
 (Name and Address of Purchaser or Owner)  
 3 Location of Installation Beaver Valley Power Station - Unit #2, Shippensburg, PA  
 (Name and Address)  
 4 Pump or Valve Globe Valve Nominal Inlet Size 2" Outlet Size 2"  
 (Inch) (Inch)

(1) Model No. Serial No. or Type	(2) Certificate Holder's Serial No.	(3) Certificate Registration No.	(4) Drawing No.	(5) Class	(6) ASME Std No.	(7) Year Built
(1) Globe	384-214958		E-48739	2		1983
(2) Globe	385-214959		E-48739	2		1983
(3) Globe	386-214959		E-48739	2		1983
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

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

6 Design Conditions          (1)          (2)          (3)          (4)          (5)           
 (Pressure) (Temperature) (Type or Valve Pressure Class)

7 Cold Working Pressure 1480 (psi at 100°F)

8 Pressure Retaining Parts

Mark No.	Material Spec. No.	Manufacturer	Remarks
(1) Castings		DUQUESNE LIGHT CO. STONE & WEBSTER ENG. BEAVER VALLEY UNIT 2	
	1-0-122A P. 0 75	2BV-4HA	
	MARK NO	VOTOG-CZ-2	
	VEINUM'S NAME	VOGT MACHINE Co.	

(a) Forging	(b) Forging	(c) Forging	(d) Forging
Body R3907A	SA-105	Vogt	<b>RECEIVED</b> OCT 17 1983 Stone & Webster Engineering Corporation DOCUMENT REVIEW
Bonnet R3275	SA-105	Vogt	

(1) For manually operated valves only  
 \* Supplemental sheets in form of free sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 6 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 (Rev. 8)

Mark No	Material Spec No	Manufacturer	Remarks
(c) Bolting			
C&D SCREW			
87	SA 193 Gr. 87	Texas Bolt	
(d) Other Parts			
Disc			
PH3	SA 479 410 (Chemistry Only)	Vogt	

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

10029

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 '75 Code Case No. \_\_\_\_\_ Date August 12, 1983  
 Signed Benny Vogt Machine Co. by [Signature]  
(ASME Certificate Holder)  
 Our ASME Certificate of Authorization No. 947 to use the B symbol expires 1/6/84  
Class

CERTIFICATION OF DESIGN

Design information on file at Benny Vogt Machine Co.  
 Stress analysis report (Class I only) on file at \_\_\_\_\_  
 Design specifications certified by (I) Stephen A. Shuman  
 PE State PA Reg. No. PE-30264-E  
 Stress analysis certified by (I) \_\_\_\_\_  
 PE State \_\_\_\_\_ Reg. No. \_\_\_\_\_  
 (I) 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 of Pennsylvania and employed by Commercial Union Ins. Co.  
 of Boston, MA have inspected the pump, or valve described in the Data Report on August 5, 1983 and state that to the best of my knowledge and belief the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.  
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date August 12, 1983 [Signature] Commissions Pennsylvania #1676  
(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 April 8, 1992  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 Sheet 1 of 2

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
MWR #008408  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address  
 Authorization No. "  
 Expiration Date "

4. Identification of System Service Water System

5. (a) Applicable Construction Code Section III, 1971 Edition, S'72 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)
2SWS-1103	Walworth Co.	D63821	1193	4" 5341 WE BB	1977	Repaired	Yes
----	Crane-Aloyco	Heat Code JHR	---	Plugs	--	Replacement	Yes

7. Description of Work Replaced valve hinge pin plugs

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 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 NPV-1 form attached  
Applicable Manufacturer's Data Reports to B: attached

**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] ENG I Date April 9 19 98  
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 this Owner's Report during the period March 12 to April 15, 1998 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 Systems

[Signature] Commissions NB 8216 PA 2518  
Inspector's Signature National Board, State, Province, and Endorsements

Date April 15 19 98

SERIAL NO: D63821

MARK NO:

TYPE:

COMMENTS:

28V-073

PN31299-A4T

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      Numerical Inlet Size 4"      Outlet Size 4"

(a) Model No Series No or Type	(b) Manufacturer's Serial No	(c) Canadian Registration No	(d) Drawing No	(e) Class	(f) Nat'l Std. No	(g) Year Built
(1) 5341 WE BB	D63821	N/A	SK-1952-18C	3	1193	1977
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

Duquesne Light Company  
 Beaver Valley Unit No. 2  
 P.O. No. 28V-73, J.O. No. 12241  
 Carbon Steel Valves - 2 1/2 in. and Larger  
 Category 4

5. Water/Steam/Oil      Walworth Company  
(Brief description of service for which equipment was designed)      Greensburg, PA 15601

6. Design Conditions      (Pressure) ANSI 150      (Temperature)      (T or Valve Pressure Class)      (1)

7. Cold Working Pressure 3.75 psi at 100°F

8. Pressure Retaining Pieces

Mark No	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
Body B218 P1	SA-216, WCB	Walworth Co.	Seal Welded Seats
Cover F744 P2	SA-216, WCB	Walworth Co.	CoCr A Backseat
Disc B905 P1	SA-216, WCB	Walworth Co.	CoCr A Faced
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: 0 auto;">           VALVE            D63821            SERIAL NO.         </div>			
<b>(b) Forgings</b>			

(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.

506

Mark No	Material Spec. No.	Manufacturer	Remarks
(c) Bolting Stud U550 Code "BM"	SA-193, B7	Wm. H. Haskell Mfg. Co.	
Nut D078N Code "GR"	SA-194, 2H	Wm. H. Haskell Mfg. Co.	
(d) Other Parts Plug 33728C Code "28"	SA-105, Gr. 2	Erie Fastener Co.	
		Doquesne Light Company Beaver Valley Unit No. 2 P. O. No. 28V-73, J. O. No. 12241 Carbon Steel Valves - 2 1/2 In. and Larger Category I	
		Walworth Company Greensburg, PA 15601	

8. Hydrostatic test 425 ps

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 5/17/77  
 Signed Walworth Co. (Manufacturer) by [Signature] M. Hill  
 Our ASME Certificate of Authorization No. 950 to use the N symbol expires 1/6/78  
(INI INI VI) (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 PA Reg. No.           
 (1) Signature not required. List name only.

VALVE  
 D63821  
 SERIAL NO.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by The Hartford Steam Boiler I&I Co. of Hartford, Conn. 06102 have inspected the pump or valve described in this Data Report on 5-17-77 and state that in 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 5-17-77  
[Signature] Inspector

Commission NB4207N  
(Mar 1980 State Print and Fee)

**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 5/6/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address
2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8927  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code N/A 19 --- Edition, N/A Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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 Complied (Yes or No)
2MSS-PSSP 002A	Paul Munroe	1760	---	Model 2200-5AW	---	Replaced	No
2MSS-PSSP 002A	Lisege	61256-19	---	Model 3062RE1	---	Replacmnt.	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1 or vendor equivalent

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 Replaced snubber with an upgraded 'Lisega' snubber.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

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

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

Signed C. Bussick Maint Director Date 5/7/92 19 92  
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 PA and employed by Rockwell-225 metal fab co. of Rockwell-225 have inspected the components described in this Owner's Report during the period 5/12/92 to 5/18/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2266  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-18-92



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 4-21-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 4
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR #908871  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address
4. Identification of System Service Water
5. (a) Applicable Constructor Code Section III 19 71 Edition W'72 Addenda " Code Case "  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2-SWS-150-837-3	Schneider Power	2-SR-43-01-SWS-1	--	1.5" Piping	1987	Repaired	Yes

7. Description of Work Cut and rewelded pipe for cleaning
8. Tests Conducted: Hydraulic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 171 psi Test Temp. 75 °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 N-5 Data Report Attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Date April 23 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler & 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 this Owner's Report during the period \_\_\_\_\_ to 4/24/92 and state that

to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual Systems

[Signature] Commissions NBB563 PA 2274  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/24 19 92

SERVICE WATER SYSTEM(S)

FORM N-8 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\*

As Required by the Provisions of the ASME Code Rules, Section II, Division 1 Sheet 1 of 10

1. Installed by Schenckler Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
 2. Installed for WESTINGHOUSE LIGHT CRIBING, AIR DUTY CENTER, 301 Walnut St., Pittsburgh, PA 15279  
 3. If Contract: Holder having overall responsibility: Stam & Mabeck Engineering Corporation  
 4. Location of Installation: Westinghouse Plant, Station No. 1, Erie, Pa. 16577  
 5. System Identification: 2-4-43-01-215-1 S/W Reg. No. 18 Nat'l Bd. No. N/A Year Installed 1967

6. Number Components and Appurtenances Installed in the Field by Welding: 1 (see page 2 for complete list of components and appurtenances)  
 (a) Components or Appurtenances: (b) Name of Certificate Holder: (c) Serial No.: (d) Canadian Reg. No.: (e) National Bd. No.: (f) Year Built:

SEE ATTACHMENT (1) "Parts, Components & Appurtenances"

(a) Components or Appurtenances	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
SEE ATTACHMENT (1) "Parts, Components & Appurtenances"					
SEE ATTACHMENT (1) "Parts, Components & Appurtenances"					
SEE ATTACHMENT (1) "Parts, Components & Appurtenances"					
SEE ATTACHMENT (1) "Parts, Components & Appurtenances"					
SEE ATTACHMENT (1) "Parts, Components & Appurtenances"					

Piping System Installation

(a) Piping Description	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
SEE ATTACHMENT (2) "Shop Fabricated Large Bore Piping Subassemblies Installed"				N/A	
SEE ATTACHMENT (3) "Field Modified Large Bore Subassemblies Installed"				N/A	
SEE ATTACHMENT (4) "Shop Fabricated Small Bore Subassemblies Installed"				N/A	
SEE ATTACHMENT (5) "Field Modified Small Bore Subassemblies Installed"				N/A	

Component Support Installation

(a) Component Serial No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
Component Supports are Non-Code, and do not require data, See "Additional Material Enclosed Welding Material" for Component Support Integral Attachment Only.					

Additional Material Enclosed Including Welding Material:

(a) Name of Manufacturer	(b) Material Description	(c) Quantity
SEE ATTACHMENT (6) "Component Supports Integral Attachment Only"		
SEE ATTACHMENT (7) "Additional Material"		

NOTE: The following shortened company names are used in this report:  
 SNEC: Stam & Mabeck Engr. Corp.  
 SPC: Schenckler Power Corp.  
 OSI & I Co.: Hartford Steam Boiler Inspection & Insurance Co.

7. (a) Installation in Accordance with:  
 Procedure or Drawing No.:  
 SEE ATTACHMENT (8) "Welding Procedure Specifications"  
 SEE ATTACHMENT (9) "Procedure & Specifications"  
 (b) Description of Installation Performed:  
 SEE ATTACHMENT (10) "Description of Installation Performed"

(c) Date: \_\_\_\_\_ (d) Station Number: \_\_\_\_\_ (e) Unit: \_\_\_\_\_ (f) and Temp: \_\_\_\_\_

\* Shortened names are used in this report. The full name of the company should be provided in the report to the ASME Code. The number of components and appurtenances installed in the field by welding should be shown in numbered and the number of components and appurtenances installed in the field by other means should be shown in unnumbered.

E7870209 0005

**CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION**

Design information on the plans & Webster Engineering Corporation, Boston, MA  
 Design Report on the stress report is not required for Class 1 or 3 piping systems  
 Design specifications certified by (1) A. J. Fiorante PE State Pennsylvania  
 Reg. No. 031364E  
 Design Report certified by (1) A stress report is not req'd PE State N/A  
 Reg. No. for Class 1 or 3 piping systems. SEE ATTACHMENT (11) "System  
 (1) Signature not required. List name only. Marking & Desig., Pressure  
 Design Conditions of Piping: Temperature & Hydrostatic/  
Pressure Tests

**CERTIFICATE OF INSTALLATION COMPLIANCE**

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, 1971 Edition.  
 Address Date WISER '77 E Code Case No.          Class          and was performed in accordance with the documents listed in this report.  
 Certificate of Authorization No. E-1828-1 to sign the          PE State PA-11-87  
 Issued to ROBERT (?) for material responsibility and           
 Signature          Signed          Date 1-30-87  
SEE ATTACHMENT (11) "Later Code Editions, Addenda, Technical and Code Case Changes"

**CERTIFICATE OF INSTALLATION INSPECTION**

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 WES I. Co.  
 on 1-30-87 have inspected the installation of the boiler described in this Data Report on 1-30-87  
 and deem that to the best of my knowledge and belief, the Certificate of Authorization holder has performed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the inspector nor his employer shall be liable, expressed or implied, concerning the installation 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 resulting from or connected with this inspection.  
 Date 1-30-87 Signed J. P. Hill Commissioner PA 2454-N  
 (National Board, Boilers, Pressure Vessels and Rail)

**CERTIFICATE OF COMPLIANCE**

Following completion of the above, the Certificate of Authorization holder accepting overall responsibility for the piping system shall complete the following statement before the ATTACHMENT (7) for material responsibility and ATTACHMENT (11) for pressure test responsibility.  
 We certify the statements made by this report are correct and that the piping system conforms to the rules of construction of the ASME Code Section III, Division 1.  
 Certificate of Authorization expires E-18-88 Certificate of Authorization No. E-1812-2  
 Date 5-18-87 Signed Stanley E. Emp by           
 (ASME-Certified Inspector)

**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 Pennsylvania and employed by WES I. Co.  
 on 2-1-87 have inspected the piping described in this Data Report on 2-1-87  
 and deem that to the best of my knowledge and belief, the Certificate of Authorization holder has constructed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the inspector nor his employer shall be liable, expressed or implied, concerning the piping 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 resulting from or connected with this inspection.  
 Date 2-1-87  
 Signed J. P. Hill Commissioner PA 2454-N  
 (National Board, Boilers, Pressure Vessels and Rail)

N-3 DATA REPORT  
ATTACHMENT 40

FORM 49-01-005-1

Sheet 8 of 10

1. INSTALLED BY: Edwin E. Pugh, Co., 115 Seventh Street, Pittsburgh, PA 15221
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15278
3. IF CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp., South Valley Power Station, Unit 2, Eboliingport, PA 15077
4. LOCATION OF INSTALLATION: \_\_\_\_\_
5. SYSTEM IDENTIFICATION: SEE ATTACHMENT 40 YEAR INSTALLED: 1967

DESCRIPTION OF INSTALLATION PERFORMED

Continued from Sheet \_\_\_\_\_

Drawing No. and Rev.	Prepared By	Drawing No. and Rev.	Prepared By
72-276-C	EPC		
	EPC		

Revision level control drawings designated as "A" have been reconciled with the master drawing revision listed and have no impact on the ASME III Code. For details, see citation designated in this N-3 data report.

Aug 2-1987 S.W.C.

*[Handwritten Signature]*

7/15/87

**N-8 DATA REPORT  
ATTACHMENT 11**

1. INSTALLED BY: Schoeltes Power Corp., 135 Be Street, Pittsburgh, PA 15222
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION BEAVER VALLEY STATION (PVS) 2-88-A3-01-800-1 YEAR INSTALLED: 1987

Continued from Sheet 1&2

**SYSTEM WORKING & DESIGN PRESSURE, TEMPERATURE, & HYDROSTATIC/PNEUMATIC TESTS**

Test No.	Test Pressure	Test Temp.	System Working Pressure & Temperature	System Design Pressure & Temperature
(1)	N/A	N/A	PSIG and TEMP N/A	PSIG and TEMP 120
(2)	N/A	N/A	PSIG and TEMP N/A	PSIG and TEMP N/A
(3)	N/A	N/A	PSIG and TEMP N/A	PSIG and TEMP N/A
****NO FURTHER ENTRIES****				

**Hydrostatic Tests/Pneumatic Tests**

BEAVER VALLEY N-8 Certificate Holder accepting overall Code responsibility and subcontracting installation to appropriate N.A. Certificate Holder at Beaver Valley - Unit 2; retains Code responsibility for pressure testing and delegates performance of the pressure test to the N.A. Certificate Holder for item's they install.

Test No.	Test Pressure	Test Temp.	System Working Pressure & Temperature	System Design Pressure & Temperature
10049	N/A	-8	150 PSIG / 120°F	120°F
****NO FURTHER ENTRIES****				

In case where the manufacturer's Data Reports attached hereto (NPP-1 or N-2) indicate different design conditions and conditions shown above are used and supersede the conditions shown on the Manufacturer's Data Report.

Continued on Sheet N/A Date 11/17/87 Schoeltes Power Corp. Signed [Signature]  
 Date 11/23/87 Stone & Webster Engineering Corp. Commissioned 11-24-87  
 Date 11/23/87 Stone & Webster Engineering Corp. Signed [Signature]  
 Date 11/23/87 Stone & Webster Engineering Corp. Commissioned 11-24-87

N-6 DATA REPORT  
ATTACHMENT 12

1. INSTALLED BY: Schnelker Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(PRINT THE ADDRESS OF HOLDER OF N-6, CONTRACTOR, AND ASSUPROVIDENT)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
6. SYSTEM IDENTIFICATION Service Water System (EVS) 2-ER-43-01-EVS-1 YEAR INSTALLED 1967  
(SEE SERIAL TAG)

Continued from Sheet 2

LATER CODE EDITION(S) AND ADDENDA(S) INVOKED, AND CODE CASES INVOKED

Later Edition(s)/Addenda(s) of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, invoked for use during Plant construction. As authorized by the Design Specification, material may have been procured and certified to later Editions/Addenda of the ASME Code. The specific Edition/Addenda to which the material was procured and certified is identified on the Certified Material Test Report or Certificate of Compliance furnished with the material and referenced on Attachment (7) to this N-6 Data Report.

Edition	Addenda	Subsection	Paragraphs	Authorizing Document(s)
1960	Winter 1961	WB/WC/WD	4427-1	2EVS-920
1960	Winter 1962	WCA	8000	2EVS-920
1974	Summer 1976	KE	4435	2EVS-920
1960	Summer 1981	WCA	8240(b)	2EVS-920
1974	N/A	WB/WC/WD	3441.1	2EVS-939
1977	Summer 1978	WC/WD	3443.1	2EVS-939
1977	Summer 1978	WC/WD	3443.2	2EVS-939
1963	Summer 1963	Appendix V	N/A	2EVS-920
1963	N/A	KE	6111	2EVS-920
1960	Summer 1961	WB/WC/WD	6211	2EVS-920

\*\*\*NO FURTHER ENTRIES\*\*\*

Code Case(s) Invoked for installation or testing

Code Case Number	Authorizing Document(s)	Code Case Number	Authorizing Document(s)
E-224	2EVS-920	E-292	2EVS-920
E-175	2EVS-920	1606-1	2EVS-939

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A

Date 1/27/67 Schnelker Power Corp. Signed [Signature]  
(SEE SERIAL TAG)  
 Date 7-20-67 [Signature] Commissioned PA-2454-N  
(SEE SERIAL TAG)  
 Date 8/1/67 Stone & Webster Eng. Corp. Signed [Signature]  
(SEE SERIAL TAG)  
 Date 2-2-67 [Signature] Commissioned PA-2454-N  
(SEE SERIAL TAG)

**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 4/22/92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 4

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR #908868  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. "  
 Expiration Date "

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 19 71 Edition W'72 Addenda See N-5 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2-SWS-150-838-3	Schneider Power	2-SR-43-01-SWS-2	--	1.5" Piping	1987	Repaired	Yes

7. Description of Work Cut and rewelded pipe for cleaning

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 171 psi Test Temp. 76 °F

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



FORM NIS-2 (Back)

9. Remarks N-5 Data Report Attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] ENR I Date April 23 19 92  
Owner or Owner's Designer, 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 of Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. \* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period                      to 4/24/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual Systems

[Signature] Commissions N3B675 PA2274  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/24 19 92

SERVICE WATER SYSTEM(S)

FORM N-4 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES- 7-51-43-01-SWS-2

As Required by the Provisions of the ASME Code Rules, Section III, Division 1 Sheet 1 of 10

- 1 Installed by Schneider Power Corp., 125 Jaywalk Street, Pittsburg, PA 15222  
Name and address of installer of component, component supports or appurtenances
- 2 Installed for Duquesne Light Company, One Oxford Centre, 201 Broad St., Pittsburg, PA 15278  
Name and address of purchaser or owner
3. If Certificate Holder having overall responsibility Stone & Webster Engineering Corporation  
Name and address of Certificate Holder
- 4 Location of installation Beaver Valley Power Station Unit #2, Shippingport, PA 15077
- 5 System Identification # 2-58-43-01-SWS-2 R/A Alt. 10 Part No. R/A Year installed 1967  
(for Serial No.) (ASME Drawing No.)

6 Nuclear Components and Appurtenances installed in the field by Welding shall each item and attach copies of Certificate Holder's Data Reports and NPT Certificate Holder's Partial Data Reports 678702090014

Let Component or Appurtenance	Let Name of Certificate Holder	Let Serial No.	Let Canadian Reg. No.	Let National Reg. No.	Let Year Built
SEE ATTACHMENT (1) "Parts, Components & Appurtenances"					
***NO FURTHER ENTRIES***					

Part of Installation

Subassembly	Let Name of Certificate Holder	Let Serial No.	Let Canadian Reg. No.	Let National Reg. No.	Let Year Built
SEE ATTACHMENT (2) "Shop Fabricated Large Bore Piping Subassemblies Installed"				R/A	
SEE ATTACHMENT (3) "Field Modified Large Bore Subassemblies Installed"				R/A	
SEE ATTACHMENT (4) "Shop Fabricated Small Bore Subassemblies Installed"				R/A	
SEE ATTACHMENT (5) "Field Modified Small Bore Subassemblies Installed"				R/A	
***NO FURTHER ENTRIES***					

Component Support Installation

Let Component Support No.	Let Name of Certificate Holder	Let Serial No.	Let Design Regt. Load Capab. Data Sheet	Let Canadian Reg. No.	Let National Reg. No.	Let Year Built
Component Supports are Non-Code, due to code effective date. See "Additional Material Excluding Welding Material" for "Component Support Integral Attachment Only".						
***NO FURTHER ENTRIES***						

Additional Material Excluding Welding Material

Let Name of Manufacturer	Let Material Specification	Let Dimensions	NOTE: The following short: ed company names are used in this report:
SEE ATTACHMENT (6) "Component Support Integral Attachment Only"	R/A		SMEC: Stone & Webster Engr. Corp.
SEE ATTACHMENT (7) "Additional Material"			SPC: Schneider Power Corp.
***NO FURTHER ENTRIES***			KSB & I Co.: Hartford Steam Boiler Inspection & Insurance Co.

7. Let installation in accordance with:
- Procedure or Drawing No. SEE ATTACHMENT (8) "Design Drawings & Revisions" Prepared by \_\_\_\_\_
- SEE ATTACHMENT (9) "Procedures & Specifications"
- \*\*\*NO FURTHER ENTRIES\*\*\*

8. Let Description of Installation Personnel

SEE ATTACHMENT (10) "Description of Installation Personnel"

\*\*\*NO FURTHER ENTRIES\*\*\*

9. Let Hydrostatic Test \_\_\_\_\_ psi. System Working Pressure \_\_\_\_\_ psi and Temp. \_\_\_\_\_

\* Supplemental sheets in form of lists, schedules, or drawings may be used provided (1) also is 8-1/2 in. x 11 in. (2) refers to items 1 through 9 on this Data Report in included sub-sheet, and (3) each sheet is numbered and the number of sheets to total 10 at the top of the form. FREE SHEET 2 of 10 "CERTIFICATION OF DESIGN..." FOOTNOTE

SERVICE WATER SYSTEM (SWS)

2-SR-43-01 SWS

FORM N-8 (Book)

Sheet 2 of 10

CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at Stone & Webster Engineering Corporation, Boston, MA  
 Design Report on file at A stress report is not required for Class 2 or 3 piping systems  
 Design specifications certified by (1) A. J. Fiorante PE State Pennsylvania  
 Reg No. 12366E  
 Design Report certified by (1) A stress report is not req'd PE State N/A  
 Reg No. for Class 2 or 3 piping systems. PSEE ATTACHMENT (11) "System Working & Design, Pressure Temperature & Hydrostatic/ Pneumatic Tests."  
 (1) Signature not required. List name only  
 Design Conditions of Piping Pressure psi Temperature

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, 1971 Edition.  
 License Date Winter '72 B \* Code Case No. Class 2 and was performed in accordance with the documents listed in 7(a) above.  
 ASME Certificate of Authorization No. R-1826-1 to use the ASME Symbol expires 8-12-89  
 Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
 Date 7/30/87 Signed [Signature] (Inspector)  
 \*SEE ATTACHMENT (12) - LATEST CODE EDITIONS & AMENDMENTS INVOLVED AND CODE CASES INVOLVED

CERTIFICATE OF INSTALLATION INSPECTION

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 HSB & I Co.  
 of Merford, CT have inspected the installation of the items described in this Data Report on 7-2-87  
 and state that, to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the Inspector nor his employer make any warranty, expressed or implied, concerning the installation 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 7-2-87 Signed [Signature] (Inspector) Commission PA 2454-N (Nat'l Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement. Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
 We certify the statements made by the report are correct and that the piping system conforms to the rules of construction of the ASME Code Section III, Division 1.  
 Certificate of Authorization expires 6-18-88 Certificate of Authorization No. R-1513-2  
 Date 7/2/87 Signed Stone & Webster Engr. by [Signature] (Certificate Holder)

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB & I Co.  
 of Merford, Connecticut have inspected the piping described in this Data Report on 7-8-87  
 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has constructed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the Inspector nor his employer make any warranty, express or implied, concerning the piping 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 7-8-87 Signed [Signature] (Inspector) Commission PA 2454-N (Nat'l Board, State, Province and No.)

N-5 DATA REPORT  
ATTACHMENT 10

- 1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222
- 2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
- 3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp. Beaver Valley Power Station, Unit 2, Shippingport, PA 15077
- 4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit 2, Shippingport, PA 15077
- 5. SYSTEM IDENTIFICATION Service Water System (SWS) 2-88-43-01-RWB-2 YEAR INSTALLED 1987

DESCRIPTION OF INSTALLATION PERFORMED

Continued from Sheet 1

Drawing No. and Rev.	Prepared By	Drawing No. and Rev.	Prepared By
730-071-5	SFC		
730-072-5	SFC		

\*\*\*\*NO FURTHER ENTRIES\*\*\*\*

Revision level Control: Drawings designated as "AC" have been reconciled with the control drawing revision listed and have no impact on the ASME III Code fabrication/installation delineated in this N-5 data report.

day 2-6-87 SWEC

Continued on Sheet N/A

Date 1/26/87 Schneider Power Corp. Signed [Signature]  
 Date 2-2-87 Stone & Webster Eng. Corp. Signed [Signature]  
 Date 2-2-87 Stone & Webster Eng. Corp. Signed [Signature]

N-6 DATA REPORT  
ATTACHMENT 11

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Manufacturer of Equipment, Components, and Accessories)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit 2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (EVB) 2-EE-43-01-EVB-2 YEAR INSTALLED 1987  
(Type, Serial No.)

Continued from Sheet 1&2

SYSTEM WORKING & DESIGN, PRESSURE, TEMPERATURE, & HYDROSTATIC/PNEUMATIC TESTS

- (A) System Working Pressure and Temperature
- |     |            |               |            |    |
|-----|------------|---------------|------------|----|
| (1) | <u>N/A</u> | PSIG and TEMP | <u>N/A</u> | OF |
| (2) | <u>N/A</u> | PSIG and TEMP | <u>N/A</u> | OF |
| (3) | <u>N/A</u> | PSIG and TEMP | <u>N/A</u> | OF |
- \*\*\*NO FURTHER ENTRIES\*\*\*
- (B) System Design Pressure and Temperature
- |     |            |               |            |    |
|-----|------------|---------------|------------|----|
| (1) | <u>120</u> | PSIG and TEMP | <u>120</u> | OF |
| (2) | <u>N/A</u> | PSIG and TEMP | <u>N/A</u> | OF |
| (3) | <u>N/A</u> | PSIG and TEMP | <u>N/A</u> | OF |
- \*\*\*NO FURTHER ENTRIES\*\*\*

(C) Hydrostatic Test(s)/Pneumatic Test(s)

SWEC as the N Certificate Holder accepting overall Code responsibility and subcontracting installation to appropriate NA Certificate Holder's at Beaver Valley Unit 2, retains Code responsibility for pressure testing and delegates performance of the pressure test to the NA Certificate Holder for item's they install.

Test No.	Test Pressure & Temp.	System Working Pressure & Temp.	System Design Pressure** & Temperature	Test No.	Test Pressure & Temp.	System Working Pressure & Temp.	System Design Pressure** & Temperature
6479A	188+9PSIG -0	N/A	150PSIG/ 120°F				

\*\*\*NO FURTHER ENTRIES\*\*\*

\*\*\* Cases where the Manufacturer's Data Reports attached hereto (NPP-1 or N-2) indicate different design conditions, conditions stated above are valid and supersede the conditions stated on the Manufacturer's Data Report 2-2-87

Continued on Sheet N/A

Date 1-28-87 Schneider Power Corp. Signed [Signature]

Date 2-2-87 [Signature] Comm. No. PA-2454-N

Date 3-18-87 Stone & Webster Eng. Corp. Signed [Signature]

Date 2-2-87 [Signature] Comm. No. PA-2454-N

N-8 DATA REPORT  
ATTACHMENT 12

- 1. INSTALLED BY: Beaver Valley Power Corp., 185 Beaver Valley, Pittsburgh, PA 15212
- 2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA, 15278
- 3. IN CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
- 4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
- 5. SYSTEM IDENTIFICATION: Service Water System (SWS)-22-43-01-898-2 YEAR INSTALLED 1987

Continued from Sheet 1

LATER CODE EDITIONS AND ADDENDAS WHICH ARE INVOKED

Later Editions/Addenda(s) of the ASME Code for Nuclear Power Plants, Section III, Division 1, invoked for use during Plant construction. As authorized by the Design Certificate, these have been procured and stored to later Editions/Addenda of the ASME Code. The later Editions/Addenda to which the material was subjected and certified is identified on the Certified Material Test Report or Certificate of Compliance furnished with the material and referenced on Attachment (7) to this N-8 Data Report.

Edition	Addenda	Subsection	Paragraph	Authorizing Document(s)
1968	Winter 1981	NS/WC/ND	4427-1	ZBVS-920
1980	Winter 1981	WCA	8000	ZBVS-920
1976	Summer 1976	EX	4435	ZBVS-920
1980	Summer 1981	WCA	8245(b)	ZBVS-920
1974	N/A	NS/WC/ND	3641.1	ZBVS-939
1977	Summer 1978	WC/ND	3643.1	ZBVS-939
1977	Summer 1978	WC/ND	3643.3	ZBVS-939
1983	Summer 1983	Appendix V	A/A	IDVS-920
1983	N/A	EX	6111	ZBVS-920
1980	Summer 1981	NS/WC/ND	4211	ZBVS-920

\*\*\*NO FURTHER ENTRIES\*\*\*

Code Cases Involved for Installation or Testing

Code Case Number	Authorizing Document(s)	Code Case Number	Authorizing Document(s)
B-228	ZBVS-920	B-292	ZBVS-920
B-273	ZBVS-920	1406-1	ZBVS-939

\*\*\*NO FURTHER ENTRIES\*\*\*

Discussed on Sheet N/A Case 182487 *[Signature]*  
 Discussed on Sheet N/A Case 182487 *[Signature]*  
 Discussed on Sheet N/A Case 182487 *[Signature]*  
 Discussed on Sheet N/A Case 182487 *[Signature]*

**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 4-24-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 Sheet 1 of 2

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
MWR# 008677  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address  
 Authorization No. "  
 Expiration Date "

4. Identification of System Recirculation Spray

5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda, ----- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is B3E-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)
2RSS-E21A	Joseph Oat Corporation	2189-1A	890	Vertical Heat Exch.	1976	Repaired	Yes

7. Description of Work Plugged and seal welded ten (10) tubes

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

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

FORM NIS-2 (Back)

9. Remarks N-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] ENR I Date May 2 19 92  
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 this Owner's Report during the period 4/27/92 to 5/14/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual Systems

[Signature] Commissions PA 246  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/4 19 92



1. Manufactured by Joseph Oat Corporation, Camden, New Jersey  
(Name and address of Manufacturer)

2. Manufactured for Duquesne Light Co., Beaver Valley, Unit #2 Shippingport, Pa.  
(Name and address of Purchaser)

3. Type VERT. Kind HEAT EX. Vessel No. 2189-1A ( ) ( ) ( )  
(Model or Ver.) (Type, Jacketed, Shell Etc.) (Mfg. Serial No.) (Name & Date Mfg.)

4. Applicable ASME Code: Section III, Edition 1971, Addenda date Summer 72, Code No.           
 Class 2

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

4. Shell Material SA240-304 S.T.S. 75,000 Nominal Thickness 3/8 Corrosion Allowance 0 in. Dia. 2 ft. 11 1/8 in. Length 36 ft. 7 3/8 in. S to

5. Seams Long DBL Welded H.T. No R.T. Complete Efficiency 100 %  
 Circ DBL Welded H.T. No R.T. Complete No. of Courses 5

6. Heads (a) Material T.S. (b) Material T.S.

Loc. Location	Thickness	Crown Radius	Spherical Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Cones or Cones)
(a) Top, bottom, ends	<u>3/8</u>							
(b) Channel								

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

7. Jacket Closure           
(Describe in open & void, per, etc. If open give diameter, describe or sketch)

8. Design Pressure 250 psi at 250 °F at temp. of          °F.          % Charpy Impact          lb Hydrostatic or          %          Test Pressure 408 psi

Items 9 and 10 to be completed for tube sections.

9. Tube Sheet Stationary. Material SA240-304 Dia. 34 in. Thickness 1 1/2 in. Attachment Welded  
(Kind & Spec. No.) (Subject or press.) (Welded, Bolted)

Floating. Material          Dia.          in. Thickness          in. Attachment         

10. Tubes Material SA249-304 O.D. 5/8 in. Thickness 20 gauge Number 1148 Type Straight  
(Kind & Spec. No.) (Straight or U)

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

11. Shell Material SA515 T.S. 70,000 Nominal Thickness 7/16 Corrosion Allowance 1/8 in. Dia. 2 ft. 9 1/8 in. Length 2 ft. 1 3/4 in.

12. Seams Long DBL Welded H.T. Yes R.T. Complete Efficiency 100 %  
(Welded, Bolted, Bolted) (Yes or No)

Circ DBL Welded H.T. Yes R.T. Complete No. of Courses 1 Each End

13. Heads (a) Material SA 515 T.S. 70,000 (b) Material          T.S.          (c) Material          T.S.         

Location	Thickness	Crown Radius	Spherical Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Cones or Cones)
(a) Top, bottom, ends	<u>3/8</u>						<u>38"</u>	<u>Flat</u>
(b) Channel								
(c) Floating								

If removable, bolts used (a) SA193-B7 (125,000) (3/4) (36) Each End SA194-2H (3/4) (72) Each End  
(Material, Spec. No., T.S., Size, Number) (c)          Other fastening          (Describe or attach sketch)

14. Design pressure 150 psi at 250 °F at temp. of          °F.          % Charpy Impact          lb Hydrostatic or          %          Test Pressure 225 psi

2055-E21A  
 Duquesne Light Co.  
 Beaver Valley Unit #2  
 Shippingport, Pa.  
 2012291

<sup>1</sup> If Postweld Heat-Treated  
<sup>2</sup> List other material or external pressure with calculation temperature when applicable.

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_ In piping \_\_\_\_\_

16. Nozzles:

Appearance (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet, Outlet	2 (1 ea)	16"	Pipe	SA 538	SCH 40	SA 515-70	Welded
Drain	1	1"	Coil	SA182-304	3000F	None	Welded
Inlet, Outlet	2 (1 ea)	12"	Pipe	SA240-304	3/8	SA240-304	Welded
		12"	Pipe	SA:312-304	SCH 40	None	Welded

17. Inspection Manholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 Openings: Manholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 Threaded, No. 2 Size 2" Location 1 Top & 1 BTM Tubesheet  
 2 (1 ea) 3/4" + 1" IN Top & BTM Channel Covers

18. Supporter Skin No. \_\_\_\_\_ Legs No. \_\_\_\_\_ Other Attachments \_\_\_\_\_ Shell Welded \_\_\_\_\_  
 (X) Yes ( ) No (Number) (Number) (Describe) (Weld & How)

19. Remarks: Vessel is a recirculating spray cooler.  
 Small Inlet and Outlet nozzles are conical  
 Inlet is 16" X 12" Outlet is 14" X 12"  
 OAL 48"  
 (Brief description of service for which vessel was designed)

**CERTIFICATION OF DESIGN**

Design information of this vessel by Stone and Webster Eng., Boston, Mass.  
 Stress analysis report on file at Stone & Webster Eng., Boston, Mass.  
 Design specifications verified by Carlotta Richardson Prof. Eng. State Pa. Reg. No. 016297-E  
 Stress analysis report certified by Krishna Pal Singh Prof. Eng. State Pa. Reg. No. 20906-E

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 Sept 27 19 76 Signed Joseph Ost Corporation John J. Benkert  
 (Name of issuer)

Certificate of authorization Expires August 23, 1979 Certificate of Authorization No. 1488

**CERTIFICATE OF SHOP INSPECTION**

VESSEL MADE BY Joseph Ost Corporation in Camden, New Jersey  
 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 PA and employed by H.S.B.I.E.I. CO. of HARTFORD, CONN.  
 have inspected the pressure vessel described in this Manufacturer's Data Report on September 29, 1976, and state that to the best of my knowledge and belief, the Manufacturer 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 Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date September 29, 1976  
Walter Fleming Inspector's Signature  
 Commission NB 4438, PA 1786  
 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/or the State or Province of \_\_\_\_\_ and employed by \_\_\_\_\_ of \_\_\_\_\_  
 have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data sheet \_\_\_\_\_, not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer 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 Penetrant 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 Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date \_\_\_\_\_ 19 \_\_\_\_\_  
 \_\_\_\_\_ Inspector's Signature  
 Commission \_\_\_\_\_  
 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 Date 5-1-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR #008505  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DlCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No.                       
Shippingport, PA 15077 Expiration Date                       
Address
4. Identification of System Reactor Coolant System
5. (a) Applicable Construction Code Section III, 71 Edition, W'72 Addenda, --- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-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)
2RCS-RV551 (spare)	Crosby Vlve.	N56963-00-0007	N/A	6RV88LS8	1976	Repaired	Yes

7. Description of Work Reconditioned valve by machining/polishing seating surfaces.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure                      psi Test Temp.                      °F  
 \*Set Pressure and seat leakage test.

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 number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks NPV-1 form attached. Worked performed at Wyla Laboratories us  
ASME XI Program.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM 3.5 \*ASME Section XI Repair/Replacement P

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

Signed *[Signature]* ENGR Date May 4  
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  
or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. \*  
Norwood, Massachusetts

\_\_\_\_\_ have inspected the component  
in this Owner's Report during the period 5/2/92 to 5/4/92  
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures on  
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual System

*[Signature]* Commissions NB8441 PA2266  
(Inspector's Signature) National Board, State, Province, and Enc

Date 5/4 19 92

# CROSBY

## CROSBY VALVE & GAGE COMPANY WRENTHAM, MASS

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

Q.C.-44C

### DATA REPORT Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick Street, Wrentham, MA 02093  
Assoc. No. B-56963 6M1  
Name and Address

Model No. SR-85B 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-CK-178352-BM  
Name and Address

3. Owner Duquesne Light Co., Beaver Valley Power Station, Beaver Valley Unit 02  
Name and Address

4. Location of Plant Shippingport Beaver County, Pennsylvania

5. Valve Identification 6RV88LSB Serial No. N56963-00-0007 Drawing No. DS-C-56963 Rev. C

Type Safety Orifice Size 1.952 Pipe Size --- Inlet 6 Outlet 6  
Safety Safety Relief Pilot Power Assisted Inch Inch Inch Inch Inch

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

Displaced Capacity 344972 lbs./hr. @ 1 % Overpressure 53 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. ---

#### Procedure Containing or Procedure Examining Components

	Serial No. Identification	Material Specifications Including Type or Grade
a. Bar Stock & Forgings		ASTM-A182-71 F316 ASME-SA182 F316
Body	<u>N90490-33-0040</u>	
Drawn	<u>N90353-36-0056</u>	ASTM-A105-71 Gr. 2 ASME-SA105 Gr. 2
b.		
Support Ends		ASTM-A182-71 F316 ASME-SA182 F316
Bracket	<u>N90554-31-0000</u>	
Disc Holder	<u>N90553-35-0075</u>	ASTM-A437 Gr. 316 ASME-SA437-71 Gr. 316
Spring Washers	<u>N90353-35-0009</u>	ASTM-A437 Gr. 316 ASME-SA437-71 Gr. 316
Adjusting Bolt	<u>N90351-35-0000</u>	ASTM-A437 Gr. 316 ASME-SA437-71 Gr. 316
Spindle Pin	<u>N90354-35-0000</u>	
Disc Inset	<u>N90349-37-0101</u>	Haynes Stellite No. 6P
Spindle Ball	<u>N90355-0092</u>	ASTM-A276-71 Type 316

2

	Serial No. or Identification	Material Specifications including Type or Grade
r. Spring	KX-2761-0074	ASTM-A304 Gr. 3160M
s. Bolting		
t. Other Parts such as Pilot Components		
Outlet Stud	100887	ASTM-A193-70 Gr. B6 ASME-SA193 Gr. B6
Outlet Stud Nut	R2997	ASTM-A193-70 Gr. B6 ASME-SA193 Gr. B6
Inlet Stud	W90489-0513 thru 0524	ASTM-A193-70 Gr. B6 ASME-SA193 Gr. B6
Inlet Stud Nut	W90489-0513 thru 0524	ASTM-A193-70 Gr. B6 ASME-SA193 Gr. B6

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

Date 7-27-76 Inspector [Signature] Manufacturer [Signature] 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 Mass. and employed as FACTORY MUTUAL INSURANCE COMPANY inspected the equipment described in this Data Report EC-155 and certify that in the best of my knowledge and belief the manufacturer has complied with the requirements 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, property damage or a loss of any kind arising from the use of the equipment with this report.

Dated March 29, 1976  
[Signature] Inspector  
[Signature] Penna. WC2035 Insp. #70

\*Arawright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Division.

**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 5-1-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 008551  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. -  
Shippingport, PA 15077 Expiration Date -  
Address

4. Identification of System Reactor Coolant Service

5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, --- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2RCS-RV551 (spare)	Crosby Valve	N56963 010-0011	N/A	6RV88LSB	1985	Repaired	Yes

7. Description of Work Reconditioned valve by machining/polishing seating surfaces.

8. Tests Conducted: Hydraulic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

\*Set Pressure and seat leakage test.

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)

3 Remarks NPV-1 form attached. Work performed at Wyle Laboratories under  
the DLCo. ASME XI Program.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ENGR Date May 4 19 92  
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 this Owner's Report during the period 4/2/92 to 5/4/92 and state that

to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

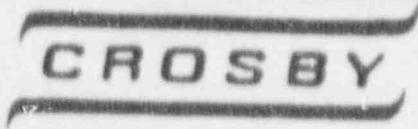
\*Factory Mutual Systems

[Signature] Commissions Pa 2166  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/4 19 92



8-18-87  
Corrected Report 8/18/87



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

Q.C.-44C-1

DATA REPORT  
Safety and Safety Relief Valves

1 Manufactured By Crosby Valve & Gage Co., 43 Kendrick St., Wrentham, MA 02093  
Name and Address  
Model No HB-86-BP Order No N23911 Contract Date 2/8/83 National Board No. --  
Alabama Power Company

2 Manufactured For P.O. Box 2641, Birmingham, AL 35291 Order No FNP2-4520  
Name and Address

3 Owner Alabama Power Company, Farley Nuclear Plant  
Name and Address

4 Location of Plant Columbia, AL

5 Valve Identification SPARE Serial No N56963-01-0011 Drawing No DS-C-56963-1 Rev. 0  
Type Safety Orifice Size M Pipe Size -- Inlet 6 Outlet 6  
Safety Safety Relief Pilot Power Actuated Inch Inch Inch Inch

6 Set Pressure (PSIG) 2485 344, 811 650 F  
Rated Temperature  
Stamped Capacity 420,000 lbs/hr saturated steam  
% Overpressure 5% Blowdown (PSIG) --

Hydraulic Test (PSIG) Inlet 4575 Complete Valve 750 psig

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

Pressure Containing or Pressure Retaining Components

Bar Stock & Forgings	Serial No. Identification	Material Specification Including Type or Grade
a Body	<u>N94627-31-0001</u>	<u>ASTM A182 Gr. F316</u>
" Bonnet	<u>N94633-99-0001</u>	<u>ASTM A105 Gr. II</u>
b Bar Stock and Forgings		
Disc Holder	<u>N94629-31-0002</u>	<u>ASTM A637 Gr. 718</u>
NOZZLE K65090-99-0001	<u>N94628-99-0001</u>	<u>ASTM A182 Gr. F316</u>
Nozzle	<u>N94630-31-0001</u>	<u>Haynes Stellite Alloy No. 6B</u>
Disc Insert	<u>N94634-31-0001</u>	<u>ASTM A105 Gr. II</u>
Spring Washers K65092-31-0001	<u>N94635-32-0002</u>	<u>ASTM A193 Gr. B6</u>
Adjusting Bolt	<u>N94631-31-0001</u>	<u>ASTM A193 Gr. B6</u>
Spindle Point	<u>N94632-99-0001</u>	<u>ASTM A276 Type 440C</u>
Spindle Ball K65091-31-0001		

\* The material, design, construction and workmanship for Bonnet comply with ASME Code, Section III, Class 1, 1980 Edition, Winter 1981 Addenda in accordance with Change No. 2 to the customer's purchase order.

... MARK: ABOVE CORRECTED TO REVISE THE CAPACITY.

Lawrence J. Pires 278-27  
Crosby Quality Assurance Date

[Signature] MA 1375- 3-19  
Factory Mutual ARI Date

	Serial No. or Identification	Material Specification Including Type or Grade
c. Spring	K65092-31-0001 <u>NX4760-99-0001</u>	<u>ASTM A304 Gr. 51B60H</u>
d. Bolting		
e. Other Parts such as Pilot Components		
Inlet Stud	<u>N90488</u>	<u>ASTM A453 Gr. 660</u>
Inlet Nut	<u>N90489</u>	<u>ASTM A193 Gr. B6</u>
Bonnet Stud	<u>100987</u>	<u>ASTM A453 Gr. 660</u>
Bonnet Nut	<u>89997</u>	<u>ASTM A193 Gr. B6</u>

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

Date 3-27-1985 Signed Crosby Valve & Gage Co. By [Signature]  
Manufacturer

Certificate of Authorization No. 1878 expires September 30, 1986

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 Arkwright-Boston Manufacturers Mutual Insurance Company have inspected the equipment described in this Data Report on MAR. 27 1985 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. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date MAR. 27 19 85 Factory Mutual System  
[Signature] (Inspector) Commissions MASS. 1303  
National Board, State, Province and No. 1

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

1. Owner Duquesne Light Company Date 5-4-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR #008609  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077 Authorization No. \*  
Address Expiration Date \*

4. Identification of System Recirculation Spray  
 5. (a) Applicable Construction Code Section II, Div 71 Edition S'72 Addenda --- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 16, B3E-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)
2RSS-E21B	Joseph Oat Corp.	2189-1B	891	Vertical Heat Exch.	1976	Repaired	Yes

7. Description of Work Plugged and seal welded twenty-six (26) tubes.

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

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

FORM NIS-2 (Back)

9 Remarks N-1 form attached.  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM 8.5 \*ASME Section XI Repair/Replacement Program\*

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

Signed [Signature] ENGR Date May 5 19 92  
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 this Owner's Report during the period 4/27/92 to 5/8/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual Systems

[Signature] \_\_\_\_\_ Commissions A22266  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/8 19 92

00  
 7.4.3 spray boiler  
 12

**FORM N-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR VESSELS**  
 As required by the provisions of the ASME Code Rules;

1. Manufactured by Joseph Ort Corporation, Camden, New Jersey  
 (Name and address of Manufacturer)  
 2. Manufactured for Duquesne Light Co., Box Valley Unit #2 Shippingport, Pa.  
 (Name and address of Purchaser)  
 3. Type VERT. Kind HEAT EX. Vessel No. (21-18) (Serial No.) (Base & Shell No.)  
 (Name or Vessel) (Tank, Jacketed, Heat Ex.) (Base & Shell No.) (Base & Shell No.)  
 4. Applicable ASME Code: Section III, Edition 1971. Addenda date Summer 72. Case No. \_\_\_\_\_  
 Class 2

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

4. Shell Material SA240-304 S. 75,000 Nominal 3/8 Corrosion 0  
 (Kind & Spec. No.) (Min. of range specified) Thickness in. Allowance in. Dia. 2 ft. 7 3/8 in. Length 36 ft. 7 3/8 in. S to S  
 5. Seams Long DBL Butt Welded H.T. NO R.T. Complete Efficiency 100 %  
 Short DBL Butt Welded H.T. NO R.T. Complete No. of Courses 5

6. Heads (a) Material T.S. (b) Material T.S.

Location	Thickness	Crown Radius	Elliptical Ratio	Conical Apex Angle	Noncircular Radius	Flat Diameter	Note to Proc. (Cover or Coverlet)
(a)							
(b)							

7. Flange, bolts used \_\_\_\_\_ (Material, Spec. No., T.S., Size, Number) Other fastenings \_\_\_\_\_ (Describe or attach sketch)

8. Jacket Closure \_\_\_\_\_ (Describe as open & weld, see, etc. If for give dimensions, describe or sketch) Design Pressure 250 psi at 250 °F as temp. of \_\_\_\_\_ °F. Hydrostatic or \_\_\_\_\_ Test Pressure 408 psi

9. Tube Sheets Stationary. Material SA240-304 Dia. 18 in. Thickness 1 1/2 in. Attachment Welded  
 (Kind & Spec. No.) (Subject to Proc.) (Welds, Bolts)

Flowing. Material \_\_\_\_\_ Dia. \_\_\_\_\_ in. Thickness \_\_\_\_\_ in. Attachment \_\_\_\_\_  
 (Kind & Spec. No.)

10. Tubes Material SA249-304 S. 75,000 Nominal 5/8 Corrosion 0  
 (Kind & Spec. No.) (Min. of range specified) Thickness in. Allowance in. Dia. \_\_\_\_\_ ft. \_\_\_\_\_ in. Length 2 ft. 1 3/4 in. S to S  
 11. Seams Long DBL Butt Welded H.T. YES R.T. Complete Efficiency 100 %  
 Short DBL Butt Welded H.T. YES R.T. Complete No. of Courses 1 Each End

12. Heads (a) Material SA515 T.S. 70,000 (b) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (c) Material \_\_\_\_\_ T.S. \_\_\_\_\_

Location	Thickness	Crown Radius	Elliptical Ratio	Conical Apex Angle	Noncircular Radius	Flat Diameter	Note to Proc. (Cover or Coverlet)
(a) Top, bottom, ends	<u>2 1/2</u>					<u>380</u>	<u>at</u>
(b) Channel							
(c) Flanging							

13. Seams Long DBL Butt Welded H.T. YES R.T. Complete Efficiency 100 %  
 Short DBL Butt Welded H.T. YES R.T. Complete No. of Courses 1 Each End

14. Heads (a) Material SA193-B7 (125,000) (3/4) (36) Each End/Nuts (SA194-2H) (3/4) (72) Each End  
 (b) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (c) Material \_\_\_\_\_ T.S. \_\_\_\_\_

Location	Thickness	Crown Radius	Elliptical Ratio	Conical Apex Angle	Noncircular Radius	Flat Diameter	Note to Proc. (Cover or Coverlet)
(a)							
(b)							
(c)							

15. Flange, bolts used \_\_\_\_\_ (Material, Spec. No., T.S., Size, Number) Other fastenings \_\_\_\_\_ (Describe or attach sketch)

16. Design Pressure 150 psi at 250 °F as temp. of \_\_\_\_\_ °F. Hydrostatic or \_\_\_\_\_ Test Pressure 225 psi

ASME Certified Heat-Treated  
 (Attachment required or omitted per code with authorized temperature where applicable)

Design help to be completed for all vessels where applicable.

15. Safety Valve Outlets Number \_\_\_\_\_ Size \_\_\_\_\_ Location In piping

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Size	Type	Material	Thickness	End Connection	How Attached
Inlet, outlet	2 (1 ea)	16"	Pipe	SA538	SCH 40	SA515-70	Welded
Drain	1	1"	Coll	SA182-304	3000	None	Welded
Inlet, outlet	2 (1 ea)	12"	Plt	SA240-304	3/8"	SA240-304	Welded
		12"	Pipe	SA312-304	SCH 40	None	Welded

17. Inspection Manholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

Openings Manholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

Thumbnails, No. 2 Size 1/4" Location 1 top and 1 bottom tubesheet

2 (1 ea) 3/4" + 1" In top and bottom Channel Covers

18. Supports Skin No. \_\_\_\_\_ Lugs No. \_\_\_\_\_ Legs No. \_\_\_\_\_ Other Rings/Gussets Attached Shell welded

(Yes or No) (Number) (Number) (Number) (Describe) (Where & How)

19. Remarks Vessel is a recirculating spray cooler.

Shell inlet and outlet nozzles are conical.  
Inlet is 16" X 12" Outlet is 14" X 12",  
OAL 42'

(Brief description of service for which vessel was designed)

### CERTIFICATION OF DESIGN

Design information on file at Stone & Webster Eng., Boston, Mass.

Drawings reports on file at Stone & Webster Eng., Boston, Mass.

Design specifications verified by Carlotta Richardson Prof. Eng. State Pa. Reg. No. 016297-E

Stress analysis report verified by Krishna Pal Singh Prof. Eng. State Pa. Reg. No. 20906-E

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 Aug 27 19 76 Signed Joe. Pat Corp by John P. Bensch  
(Manufacturer) (Inspector)

Expiry of authorization Expires Sept. 30, 1976 Certificate of Authorization No. 630

### CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Joseph Pat Corporation at Camden, New Jersey

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, and/or the State of Penn. and employed by H.S.B.I. & I Co. of Hartford, Conn.

have inspected the pressure vessel described in this Manufacturer's Data Report on August 23 19 76, and state that to the best of my knowledge and belief, the Manufacturer 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 Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date August 27 19 76  
Inspector's Signature Walter Comapp Commission NB 4438 Pa 1786  
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/or the State of \_\_\_\_\_ and employed by \_\_\_\_\_ of \_\_\_\_\_

have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as \_\_\_\_\_

\_\_\_\_\_ not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer 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 Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date \_\_\_\_\_ 19 \_\_\_\_\_  
Inspector's Signature \_\_\_\_\_ Commission \_\_\_\_\_  
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 Date 5-4-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR Nos. 008104, 008456  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Struc. Not Applicable  
Name Authorization No. \*  
Shippingport, PA 15077 Expiration Date \*  
Address
4. Identification of System Recirculation Spray
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)
2RSS-E21D	Joseph Oat Corp.	2189-D	893	Vertical Heat Exch.	1976	Repaired	Yes

7. Description of Work Plugged and seal welded thirty-one (31) tubes
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other:  Pressure LP psi Test Temp. --- °F

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

FORM NIS-2 (Back)

9 Remarks N-1 form attached.  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] ENGR Date May 5 19 92  
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 this Owner's Report during the period 2/14/92 to 5/15/92 and state that to the best knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Systems

[Signature] Commissions PA 21166  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/8 1992



As required by the Provisions of the ASME Code Rules

*Design No. 1187 (2)*  
*Beaver Valley Unit #2*  
*OSU 215 212*  
*Atlantic Station*  
*2155 2112*

1. Manufactured by Joseph O. Corporation, Camden, New Jersey  
(Name and address of Manufacturer)
2. Manufactured for Duquesne Light Co., Beaver Valley Unit #2 Shippingport, Pa.  
(Name and address of Purchaser)
3. Type Vert Kind Heat Ex. Vessel No. 2189-D (Nom. or Vert.) (Tank, Jacketed, Heat Ex.)  
(Mfrs. Serial No.) (State & State No.) Nat'l Bd. No. 893 Yr. Built 1976
- 3a. Applicable ASME Code: Section III, Edition 1971, Addenda date Summer 72, Case No. \_\_\_\_\_  
 Class 2

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

4. Shell: Material SA240-304 s. 75,000 Nominal Thickness 3/8 in. Corrosion Allowance 0 in. Dia. 2 ft. 9 1/2 in. Length 36 ft. 8 5/8 in.  
(Kind & Spec. No.) (Min. of range specified)
5. Seams: Long DBL Welded H.T.<sup>1</sup> No R.T. Complete Efficiency 100 %  
 Girth DBL Welded H.T. No R.T. Complete No. of Courses 5
6. Heads (a) Material T.S. (b) Material T.S.  

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Convex or Concave)
(a)								
(b)								

 If removable, bolts used \_\_\_\_\_ (Material, Spec. No., T.S., Size, Number) Other fastening \_\_\_\_\_ (Describe or attach sketch)
7. Jacket Closure \_\_\_\_\_ (Describe as edge & weld, bar, etc. If bar give dimensions, describe or sketch)  
 Drop Weight \_\_\_\_\_ Pneumatic \_\_\_\_\_  
 Charpy Impact \_\_\_\_\_ ft-lb Hydrostatic or \_\_\_\_\_ } Test  
 \_\_\_\_\_ °F. Combination } Pressure 408 psi
8. Design Pressure<sup>2</sup> 250 psi at 250 °F at temp. of \_\_\_\_\_ °F.

Items 9 and 10 to be completed for tube sections.

9. Tube Sheets: Stationary. Material SA240-304 Dia. 34 in. Thickness 1 1/2 in. Attachment Welded  
(Kind & Spec. No.) (Subject to press.) (Welded, Bolted)
- Floating. Material \_\_\_\_\_ Dia. \_\_\_\_\_ in. Thickness \_\_\_\_\_ in. Attachment \_\_\_\_\_
10. Tubes: Material SA249-304 O.D. 5/8 in. Thickness 20 inches or gage \_\_\_\_\_ Number 1148 Type Straight  
(Kind & Spec. No.) (Straight or U)

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

11. Shell: Material SA515 T.S. 70,000 Nominal Thickness 7/16 in. Corrosion Allowance 1/8 in. Dia. 2 ft. 9 1/8 in. Length 2 ft. 1 3/4 in.  
(Kind & Spec. No.) (Min. of range specified)
12. Seams: Long DBL Welded H.T.<sup>1</sup> Yes R.T. Complete Efficiency 100 %  
(Welded, Dbl., Single) (Yes or No)  
 Girth DBL Welded H.T.<sup>1</sup> Yes R.T. Complete No. of Courses 1
13. Heads: (a) Material SA 515 T.S. 70,000 (b) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (c) Material \_\_\_\_\_ T.S. \_\_\_\_\_  

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Press. (Convex or Concave)
(a) Top, bottom, ends	<u>2 1/2</u>	---	---	---	---	---	<u>38</u>	<u>Flat</u>
(b) Channel								
(c) Floating								

 If removable, bolts used (a) \_\_\_\_\_ (b) \_\_\_\_\_ (c) \_\_\_\_\_ Other fastening \_\_\_\_\_ (Describe or attach sketch)  
 Drop weight \_\_\_\_\_ Pneumatic \_\_\_\_\_  
 Charpy Impact \_\_\_\_\_ ft-lb Hydrostatic or \_\_\_\_\_ } Test  
 \_\_\_\_\_ °F. Combination } Pressure 225 psi
14. Design pressure<sup>2</sup> 150 psi at 250 °F at temp. of \_\_\_\_\_ °F.

<sup>1</sup> If Postweld Heat-Treated  
<sup>2</sup> List other internal or external pressures with coincident temperature when applicable.

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets: Number \_\_\_\_\_ Size \_\_\_\_\_ Location In piping

16. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet, Outlet	2 (1 ea)	16"	Pipe	SA53 B	SCH 40	SA 515-70	Welded
Drain	1	1"	Cplq.	SA182-304	3000#	None	Welded
Inlet, Outlet	2 (1 Ea)	12"	Pipe	SA240-304	3/8	SA240-304	Welded

17. Inspection Manholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

Openings: Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

Threaded, No. 2 Size 1/2" Location 1 Top & Btm Tubesheet

2 (1 ea) 3/4"+1" In Top & Btm Channel Covers

18. Supports: Skirt \_\_\_\_\_ Lugs 4 Legs \_\_\_\_\_ Other \_\_\_\_\_ Attached Shell Welded  
(Yes or No) (Number) (Number) (Describe) (Where & How)

19. Remarks: Vessel is a recirculating spray cooler.

Shell inlet & outlet nozzles are conical  
Inlet is 16" x 12" Outlet is 14" x 12"

(Brief description of service for which vessel was designed)

**CERTIFICATION OF DESIGN**

Design information on file at Stone & Webster Eng., Boston, Mass.  
 Stress analysis report on file at Stone & Webster Eng., Boston, Mass.  
 Design specifications certified by Carlotto Richardson Prof. Eng. State Pa. Reg. No. 016297-E  
 Stress analysis report certified by Krishina Pal Singh Prof. Eng. State Pa. Reg. No. 20906-E

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 Aug 2 19 76 signed Joseph Oat Corp. By John S. Berkut  
(Manufacturer)

Certificate of authorization Expires August 2, 1976 Certificate of Authorization No. #630

**CERTIFICATE OF SHOP INSPECTION**

VESSEL MADE BY Joseph Oat Corporation at Camden, New Jersey  
 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 Pa. and employed by Travellers Indemnity Corp. of Phila., Pa.

have inspected the pressure vessel described in this Manufacturer's Data Report on August 2 1976, and state that to the best of my knowledge and belief, the Manufacturer 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 Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date August 2 19 76  
John S. Berkut Inspector's Signature  
 Commission NB-4263 Pa-1765  
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/or the State or Province of \_\_\_\_\_ and employed by \_\_\_\_\_ of \_\_\_\_\_

have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data 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 manufacturer 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 Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date \_\_\_\_\_ 19 \_\_\_\_\_  
 \_\_\_\_\_ Inspector's Signature  
 Commission \_\_\_\_\_  
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 Date 4/29/92  
1 Oxford Center Sheet 1 of 1  
Name Address
2. Plant Beaver Valley Power Station Unit 2  
Shippingport, PA 15074 MWR 8864  
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Shippingport, PA 15077 Authorization No. N/A  
Name Address Expiration Date N/A
4. Identification of System Emergency Feed Water
5. (a) Applicable Construction Code N/A 19 N/A Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2FWE-PSSP010	Pacific Scientific	36516	---	Model 1/4	---	Replaced	No
2FWE-PSSP010	Liseaga	61211-76	---	Model 301d56RFI		Replacement	No

7. Description of Work Snubber replaced with different manufacturer.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 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 Replaced snubber with new style LISEGA snubber under TCR 6716  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

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

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

Signed Burroughs Mount Dir Date 4/30 19 92  
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 LA and employed by ALBERTSON'S MAT'L SVCS of WILHOLM 3 - 7312 have inspected the components described in this Owner's Report during the period 4/28/92 to 4/29/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Mississippi  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-30-92

**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 1/29/92  
Name  
1 Oxford Center  
Address

2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077  
Address MWR 8867  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code N/A 19      Edition N/A Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2RCS-PSSP026	Pacific Scientific	11455	---	Model 1/4	---	Replaced	No
2RCS-PSSP026	Liseaga	61211-16	---	Model 301856-RFI	---	Replacmnt.	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Normal Operating Pressure  Functional Test  
 Other  Pressure            psi Test Temp.            °F 10080-DMS-0184-0 Add. 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 the form.

FORM NIS-2 (Back)

9 Remarks Replaced snubber with new style LISEGA snubber under T&R 6716.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM 7.5 "ASME Section XI Repair/Replacement Program."

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

Signed C. Busch Mount Air Date 4/30 19 92  
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 PA and employed by Rockwell Control Systems of Lebanon PA have inspected the components described in this Owner's Report during the period 2/18/92 - 5/14/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA-1166  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/14/92

**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 4/29/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address
2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8863  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address
4. Identification of System Emergency Feed Water
5. (a) Applicable Construction Code N/A 19      Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E-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)
2FWE-PSSP-009	Pacific Scientific	11443	---	Model 1/4	---	Replaced	No
2FWE-PSSP-009	Liseqa	61211-08	---	Model 301856-RFI	---	Replacmnt.	No

7. Description of Work Snubber replaced with different manufacturer.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure      psi Test Temp.      °F 10080-DMS-0184-0 Add 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 Replaced snubber with new style LISEGA snubber under T&P 6716  
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 NGAM 8.5 "ASME Section XI Repair/Replacement Program."

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

Signed Chussich Mant Dir. Date 4/30 19 92  
Owner or Owner's Designer, 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 PA and employed by ARKWRIGHT Michael J. W. of WPA Liner W 355 have inspected the components described in this Owner's Report during the period 4/22/92 - 5/14/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Michael J. W. Commissions PA 2665  
Inspector's Signature Factory mobile system  
National Board, State, Province, and Endorsements

Date 5/12 19 92



**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 4/29/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8861  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code N/A 15 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 RF-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)
2RCS-PSSP030	Pacific Scientific	18146	---	Model 1/4	---	Replaced	No
2RCS-PSSP030	Lisege	61211-21	---	Model 301856RFI	---	Replacmnt	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add. 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 Replaced snubber with new style LISEGA snubber under TFR 6716  
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 NGAM 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Mamit Dix Date 4/30/92 1992  
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 PA and employed by Alkaminet Metal Sys Co. of 1231244 - msp. have inspected the components described in this Owner's Report during the period 4/26 to 5/4/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 146  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/4 1992

**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 5-5-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 1

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR #009452  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Auxiliary Feedwater

5. (a) Applicable Construction Code Section III, 71 Edition, S'72 Addenda, 1672, 1567 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-S'B3A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2FWE-100	Walworth Co.			5350 WE HF -4"	1980	Repaired	Yes
Disc	Crane-Aloyed	B0857	--	Heat No. 29441	---	Replacement	Yes

7. Description of Work Replaced valves disc.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
OST 2.24.8A

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 \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed *[Signature]* ENG. I Date May 7 19 92  
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 this Owner's Report during the period 5/1 to 5/8/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual Systems

*[Signature]* PA 2266  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/8 19 92

**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 5-5-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR #003116  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Feedwater

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 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)
2FWS-30	Atwood Morrill Co.	9-13540	---	16" Check Valve	1979	Repaired	Yes

7. Description of Work Attached a new code data plate - original was lost during 2R.

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

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

FORM NIS-2 (Back)

9 Remarks NPV-1 form attached.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ENG I Date May 7 19 92  
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 this Owner's Report during the period 7/21/91 to 5/18/92 and state that

to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual Systems

[Signature] PA 1066  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/18/92

MARK NO:  
TYPE:  
COMMENTS: \_\_\_\_\_

2BV-020

**FORM REPORT BY CERTIFICATE HOLDERS DATA REPORT FOR ASME VALVES**  
As Required by the Provisions of the ASME Code, Sect. VIII, Div. 1

1. Manufactured by Atwood & Merrill Co., Inc. Salem, MA 01970  
(Name and Address of Certificate Holder)  
2. Manufactured for Stone & Webster  
(Name and Address of Purchaser or Owner)  
3. Location of Installation Beaver Valley Power Station, Shipping Port, PA  
(Name and Address)  
4. Pump or Valve Valve Nominal Inlet Size 16 (inches) Outlet Size 16 (inches)

(a) Model No. or Series No. or Type	(b) Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Part No.	(g) Year Built
(1) 16" Check Valve	9-13540	N/A	13540-01-F	2	N/A	1979
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. 16" Check Valve Deep Water  
(Brief description of service for which equipment was designed)

6. Design Condition: 1170 psi 450 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)  
7. Cold Working Pressure 1440 psi at 100°F  
8. Pressure Retaining Pieces

Part No.	Material Spec No.	Manufacturer	Remarks
<b>(a) Castings</b>			
Body	Ms. # F3000	SA 216, Gr. WCB	Quaker Alloy
	Rt. # S1030	SA 216, Gr. WCB	S/N 9-13540
Disc	Ms. # F1037	SA 216, Gr. WCB	Quaker Alloy
	Rt. # S1316	SA 216, Gr. WCB	S/N 9-13540
Brg. Cover	Ms. # F8703	SA 216, Gr. WCB	Quaker Alloy
	Rt. # S1444	SA 216, Gr. WCB	S/N 11-13540
Brg. Cover	Ms. # F8765	SA 216, Gr. WCB	Quaker Alloy
	Rt. # S1267	SA 216, Gr. WCB	S/N 12-13540

(b) Forgings

\_\_\_\_\_

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(1) For manually operated valves only.  
\* Superimposed sheets in form of MS sketches or drawings may be used provided they are 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 with number of sheets is recorded at top of this form.

FORM NPV-1 (Revised)

Part No	Material Spec No	Manufacturer	Remarks
<b>(c) Boring</b>			
Cover Boring			
Studs	SA 193, Gr. B7	Jos. Dyson & Sons	C8a
Nuts	SA 194, Gr. 2H	Jos. Dyson & Sons	D11
<b>Bearing Cover Boring</b>			
Studs	SA 193, Gr. B7	Jos. Dyson & Sons	E97
Nuts	SA 194, Gr. 2H	Jos. Dyson & Sons	D01
<b>(d) Other Parts</b>			
Cover	A 515, Gr. 70	U.S. Steel Corp.	S7N 9-13540
SI. # 650744			

B Hydraulic test 2175 psi. Dist Differential test pressure 1500 psi.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components Section III Div. 1 Edition 1974

Address Summer 1974 Date 1/74 Code Case No. N/A Data N/A

Signed WAGG & Morrill Co., Inc. by Walter F. O'Connell 22 Feb 77  
Quality Control Manager

Our ASME Certificate of Authorization No. M-1766 to use the N symbol expires 5-20-80

**CERTIFICATION OF DESIGN**

Design information on file at Stone & Hudson Engineering Corp.

Stress analysis report (Class 1 only) on file at \_\_\_\_\_

Design seal, certified by \_\_\_\_\_

PE State \_\_\_\_\_ Reg No. \_\_\_\_\_

Stress analysis certified by \_\_\_\_\_

PE State \_\_\_\_\_ Reg No. \_\_\_\_\_

Signature not required (list name only)

**CERTIFICATE OF SHOP INSPECTION**

The undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of \_\_\_\_\_ and this used by \_\_\_\_\_

at Feb 23rd 1977 have inspected the pump or valve described in this Data Report on \_\_\_\_\_ 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 persons injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Feb 23rd 1977

H. P. Commissions Mass 1176 PA W 2530  
Not Bd. State Reg. and Insp.



**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 5/6/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8928  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, P. 15077 Expiration Date N/A  
Address

4. Identification of System Main Steam

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

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)
2MSS-PSSP 002B	Paul Munroe	1761	---	Model 22005AW	---	Replaced	No
2MSS-PSSP 002B	Lisega	61256-20	---	Model 3062RF1	---	Replacmnt.	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1 or vendor equivalent

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 Replaced snubber with an upgraded 'Lisega' snubber.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

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

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

Signed C. Bussick Maint Director Date 5/7 19 92  
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 PA and employed by Rockwell Metal Ind Co. of Washington, PA have inspected the components described in this Owner's Report during the period 4/16/92 to 5/8/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2266  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/8/92

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 5/6/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address
2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8979  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code N/A 19 19 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2MSS-PSSP 003A	Paul Munroe	1770	---	Model 23005A	---	Replaced	No
2MSS-PSSP 003A	Lisege	61265-07	---	Model 3072RC1	---	Replacement	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydraulic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1  
 or vendor equivalent

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 Replaced snubber with an upgraded 'Lisega' snubber.  
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 NGAM 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed C. Busack Maint Director Date 5/7 19 92  
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 MASS and employed by ARKWORTH METAL SUPPLY CO. of Lowell, MA have inspected the components described in this Owner's Report during the period 4/28/92 to 5/19/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2266  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/8 19 92

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 5/6/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address  
 2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8930  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address  
 4. Identification of System Main Steam  
 5. (a) Applicable Construction Code N/A 19      Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2MSS-PSSP 0003B	Paul Munroe	1774	---	Model 2300-5A	---	Replaced	No
2MSS-PSSP 0003B	Lisege	61265-06	---	Model 3072RC1	---	Replacmnt.	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1 or vendor equivalent

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 Replaced snubber with an upgraded 'Liseega' snubber.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

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

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

Signed Russell Mant Director Date 5/7 19 92  
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 MA and employed by Waldman M&E of Waldham Mass have inspected the components described in this Owner's Report during the period 4/16/92 to 5/18/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 246  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/8 19 92

**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 5/6/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8931  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address

4. Identification of System Main Steam

5. (a) Applicable Construction Code N/A 19      Edition, N/A Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2MSS-PSSP 005	Paul Munroe	1787	---	Model 23005AW	---	Replaced	No
2MSS-PSSP 005	Lisega	61265-08	---	Model 3072RE1	---	Replacmnt.	No

7. Description of Work: Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1 or vendor equivalent

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 Replaced rubber with an upgraded 'Lisege' snubber.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

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

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

Signed Chussek Mant Dir. Date 5/7 19 92  
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 PA and employed by Rockwell Metal Prod. Co. of Walden MA have inspected the component described in this Owner's Report during the period 4/22 to 5/8/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] factory metal system  
Inspector's Signature Commission No. PA246  
National Board, State, Province, and Endorsements

Date \_\_\_\_\_ 19 \_\_\_\_\_



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

1. Owner Duquesne Light Company Date 5/6/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address  
 2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8932  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address  
 4. Identification of System Main Steam  
 5. (a) Applicable Construction Code N/A 19      Edition N/A Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair or Replacements 19 B3E-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)
2MSS-PSSP007	Paul Munroe	1759	----	Model 2200-5AW	----	Replaced	No
2MSS-PSSP007	Lisege	61256-21	----	Model 3062BE1	----	Replacmnt.	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1 or vendor equivalent

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 the form.

FORM NIS-2 (Back)

9. Remarks Replaced snubber with an upgraded 'Lisege' snubber.  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed C. Bussick, Maint Dir. Date 5/7 19 92  
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 PA and employed by ACKWORTH MACH. SW. CO. of WALSHAM MAS have inspected the components described in this Owner's Report during the period 5/1/92 to 5/18/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. R. [Signature] Commissions PA 2166  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/18 19 92

**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 5/6/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8933  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address

4. Identification of System Main Steam

5. (a) Applicable Construction Code N/A 19 \_\_\_\_\_ Edition, N/A <sup>>= 1984</sup> N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E-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)
2MSS-PSSP 008A	Paul Munroe	1788	---	Model 2300-5AW	---	Replaced	No
2MSS-PSSP 008A	Lisega	61265-09	---	Model 3072RE1	---	Replacmnt.	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1  
or vendor equivalent

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 Replaced snubber with an upgraded 'Lisega' snubber.  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed Chasanth Mant Di Date 5/7 19 92  
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 MA and employed by Reddy's Metal Sys Co. of Weymouth Mass have inspected the components described in this Owner's Report during the period Flight to 5-18-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

MR Mant Di Commissions PALLEG  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-18-92

**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 5/6/92  
Name  
1 Oxford Center Street 1 of 1  
Address
2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8934  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code N/A 19 N/A Edition, N/A Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2MSS-PSSP008B	Paul Munroe	1790	---	Model 2300-5AW	---	Replaced	No
2MSS-PSSP008B	Lisege	61265-10	---	Model 3072RE1	---	Replacmnt	No

7. Description of Work: Snubber replaced with different manufacturer.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1  
or vendor equivalent

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 the form.

FORM NIS-2 (Back)

9 Remarks Replaced snubber with an upgraded 'Liseqa' snubber.  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed C. Sussich Maint Dir Date 5/7 19 92  
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 PA and employed by ARTWRIGHT METAL CO. of LANCASTER, PA have inspected the components described in this Owner's Report during the period 4/16/92 to 5/1/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions PA 2266  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/8 1992

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 5/6/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MWR 8935  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address

4. Identification of System Main Steam

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

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)
2MSS-PSSP 011A	Paul Munroe	1779	---	Model 2300-5AW	---	Replaced	No
2MSS-PSSP 011A	Lisege	61265-11	---	Model 3072RE1	---	Replacement	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1 or vendor equivalent

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 Replaced snubber with an upgraded 'Lisega' snubber.  
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 NGAM 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed Brasch Mant Air Date 5/7 19 92  
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 IA and employed by WALSHAM MAS and WALSHAM MAS have inspected the components described in this Owner's Report during the period 5/1/92 to 5/1/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. M. Walsham Commissions IA 1266  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/8 1992



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

1. Owner Guquesne Light Company Date 5/6/92  
Name  
1 Oxford Center Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit 2  
Name  
Shippingport, PA 15077 MTR 8936  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by D.T. Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address

4. Identification of System Main Steam

5. (a) Applicable Construction Code N/A 19      Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E-S'83A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2MSS-PSSP 011B	Paul MURROE	1789	---	Model 2300-5AW	---	Replaced	No
2MSS-PSSP 011B	Lisega	61265-12	---	Model 3072RE1	---	Replacmnt.	No

7. Description of Work Snubber replaced with different manufacturer.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure                      psi Test Temp.                      °F 10080-DMS-0184-0 Add 1  
or vendor equivalent

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 Replaced snubber with an upgraded 'Lisege' snubber.  
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 NGAM 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed Bussich Mant Air Date 5/7 19 92  
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 PA and employed by ACKWRIGHT ALUMINUM TUB. CO. of ABINGDON, MASS have inspected the components described in this Owner's Report during the period 4/16/92 to 5/8/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Factory Mutual System  
Inspector's Signature PA2224  
National Board, State, Province, and Endorsements

Date 5/11 19 92

**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 5-6-92  
Name
- 1 Oxford Center Sheet 1 of 1  
Address
2. Plant Beaver Valley Power Station Unit 2  
Name
- Shippingport, PA 15077 MWR #8924  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLC Nuclear Construction Type Code Symbol Stamp N/A  
Name Authorization No. N/A
- Shippingport, PA 15077 Expiration Date N/A  
Address
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code N/A 19 N/A Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E-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)
2RHS PSSP005	Paul Munroe	1757	---	Model 22005AW	---	Replaced	No
2RHS PSSP005	Lisega	61256-22	-----	Model 3062RE1	---	Replacmnt	No

7. Description of Work \_\_\_\_\_
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F 10080-DMS-0184-0 Add 1  
 or Vendor Equivalent

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 Replaced snubber with an upgraded "Lisege" snubber.  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed Brunch Mant Dix Date 5/11 19 92  
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 PA and employed by Factory Mutual Ins. Co. of Newwood, Mass have inspected the components described in this Owner's Report during the period 4/16/92 to 5/8/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Factory Mutual System  
Inspector's Signature PA 2271  
National Board, State, Province, and Endorsements

Date 5/11 19 92

**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 5-11-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR #001653  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DlCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, --- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2RCS-RV551C	Crosby Vlv.	N56963 00-0007	----	6RV88LSB	1976	Replaced	Yes
"	"	N56963 00-0008	----	"	1976	Replacmnt	Yes

7. Description of Work Changed out valve for lift and seat leakage testing.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks NV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Thomas A. Latta* ENG. I Date May 15 19 92  
Owner or Owner's Designee, Title

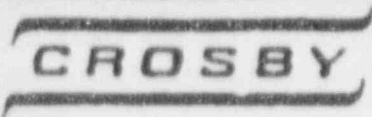
**CERTIFICATE OF INSERVICE INSPECTION**

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 Ark-right Mutual Insurance Co. \* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period — to May 15/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Thomas A. Latta* Commission P22274  
Inspector's Signature National Board, State, Province, and Endorsement

Date 5/15 19 92



**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. 41C

**DATA REPORT**  
 Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick Street, Wrentham, Ma. 02093  
 Assoc. No. M-56963 GM16 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-RM  
 Name and Address

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

4. Location of Plant Shippingport, Beaver County, Pennsylvania

5. Valve Identification SRV8688 Serial No. W56963-00-0008 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

Set Pressure (PSIG) 2485 650<sup>D</sup> Rated Temperature F

Shaped Capacity 344972 lbs./hr. % Overpressure 58 Blowdown (PSIG) 125 7519

Hydraulic Test (PSIG) Inlet 4575 8319 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 Containing or Pressure Retaining Components

	Serial No. Manufacture	Material Specification Including Type or Grade
4. Bar Stock & Forgings		
Body	<u>W90490-33-0050</u>	<u>ASTM-A182-71 F316</u> <u>ASME-SA182 F316</u>
Bottom	<u>W90353-36-0071</u>	<u>ASTM-A105-71 Gr. 2</u> <u>ASME-SA105 Gr. 2</u>
Supports		
Body	<u>W90556-31-0000</u>	<u>ASTM-A105-71 F316</u> <u>ASME-SA105 F316</u>
Disc Holder	<u>W90553-32-0053</u>	<u>ASTM-A637 Gr. 1</u>
Spring Washers	<u>W90353-36-0071</u>	<u>ASTM-A105-71 Gr. 2</u>
Adjusting Bolt	<u>W90353-36-0071</u>	<u>ASTM-A105-71 Gr. 2</u>
Squid	<u>W90353-36-0071</u>	<u>ASTM-A105-71 Gr. 2</u>
	<u>W90353-36-0071</u>	<u>ASTM-A105-71 Gr. 2</u>

	Serial No. or Identification	Material Specification including Type or Grade
c. Spring	<u>NX-2761-0055</u>	<u>ASTM-A304 Gr. 51850H</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-A193-71 Gr. 660 ASME-SA193 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 7-28-1976 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 Mass. and employed by Factory Mutual Service, Wrentham, Mass. inspected the equipment described in this Data Report on March 30, 1976 and state that to the best of my knowledge and belief, the manufacturer has complied with the code in accordance with the applicable Subsections of ASME Section III.

By signing this certificate, the manufacturer hereby certifies that the equipment described herein was inspected and approved in accordance with the applicable Subsections of ASME Section III.

March 30, 1976  
Donald E. Cinnora  
 PENNA. WC 2035 MAR 1976



**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 5-11-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR #001651  
Repair Organization P.O. No., Job No., etc

3. Work Performed by DLCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. "  
 Expiration Date "

4. Identification of System Reactor Coolant

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 is B3E-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)
2RCS- RV551A	Crosby Vlv.	N56963 01-0011	----	6RV88LSB	1985	Replaced	Yes
"	"	N56963- 01-0010	----	"	1980	Replacmnt.	Yes

7. Description of Work Changed out valve for lift and seat leakage testing.

8. Tests Conducted: Hydraulic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 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 the form.

FORM NIS-2 (Back)

9. Remarks NV-1 form attached.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ENR I Date May 15 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

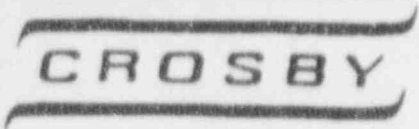
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. \* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period --- to May 15/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual Systems

[Signature] Commissions 62274  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 1992



CROSBY VALVE & GAGE COMPANY  
WRENTHAM, MASS

REC 2/23/78  
5 of 11

FORM NV-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 Co., 43 Kendrick St., Wrentham, MA 02093  
Name and Address

HB-86-BP

Model No. \_\_\_\_\_ Order No. N82804 Contract Date 5/24/78 National Board No. --

Alabama Power Company, 600 North 18th St.  
Birmingham, Alabama 35291

2. Manufactured For \_\_\_\_\_ Order No. FNP2-765  
Name and Address

3. Owner Alabama Power Company, Farley Nuclear Plant #2  
Name and Address

4. Location of Plant Columbia, Alabama

1-8010-A

5. Valve Identification 6RV88LSB Serial No. N56963-01-0010 Drawing No. DS-C-56963-1 Rev. 0

Type Safety Orifice Size M<sub>1</sub> Pipe Size -- Inlet 6 Outlet 6  
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch

6. Set Pressure (PSIG) 2485 650  
Rated Temperature \_\_\_\_\_ F

Stamped Capacity 344814 lbs/hr sat @ 3 % Overpressure -- Blowdown (PSIG) 5%

Hydrostatic Test (PSIG) Inlet 4575 Complete Valve 750

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

Class 1 Edition 1971, Addenda Date Winter 1972, Case No. 1501  
1649

Pressure Containing or Pressure Retaining Components

BECHTEL  
412

Bar Stock & Forgings	Serial No. Identification	Material Specification Including Type or Grade
Body	<u>N90490-25-0113</u>	<u>ASME SA182 Gr. F316</u>
Bonnet	<u>N90353-48-0134</u>	<u>ASME SA105 Gr. II</u>
Disc Holder	<u>K57220-56-0130</u>	<u>ASTM A637-70 Gr. 718</u>
Nozzle	<u>N90553-56-0135</u>	<u>ASME SA637 Gr. 718</u>
Disc Insert	<u>N90556-25-0011</u>	<u>ASME SA182 Gr. F316</u>
Spring Washers	<u>N90349-59-0107</u>	<u>Haynes Stellite Alloy #6B</u>
Adjusting Bolt	<u>N90350-46-0293</u>	<u>ASME SA105 Gr. II</u>
Spindle Point	<u>N90350-46-0294</u>	<u>ASTM A193-70 Gr. B6</u>
Spindle Ball	<u>N90351-33-0004</u>	<u>ASME SA193 Gr. B6</u>
	<u>N90354-56-0159</u>	<u>ASME SA193 Gr. B6</u>
	<u>N90355-0159</u>	<u>ASTM A276-71 Type 440 C</u>

EDITIONAL FORM # 00091  
ASME SECTION XI.  
DOCUMENT  
ack 2/24/88

ROUTING FORM #0000  
**ASME SECTION XI.**  
**DOCUMENT**  
 R-112124/88

**ASME SECTION XI.**  
 DOCUMENT

2/12  
 A11  
 2/12

	Serial No. or Identification	Material Specification Including Type or Grade
c. Sizing	K56380-54-0147	NY2761-0150
d. Bolting		ASTM A304-76 Gr. 31660H
e. Other Parts such as Pilot Components		
Inlet Stud	N90488	ASME SA453 Gr. 660
Inlet Nut	N90489	ASTM A193-69 Gr. B6 ASME SA193 Gr. B6
Bonnet Stud	100987	ASTM A453-71 Gr. 660 ASME SA453 Gr. 660
Bonnet Nut	89997	ASTM A193-71 Gr. B6 ASME SA193 Gr. B6

Remarks: Retest due to part change of Disc Insert.

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

Date 3/12 19 80 Signed Crosby Valve & Gage Co. By R. J. Casavari  
 Manufacturer

Certificate of Authorization No. 1878 expires September 30, 1980

BECHTEL  
 412

**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\*, Norwood, Mass. have inspected the equipment described in this Data Report on 3/18, 1980 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. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 3/18 19 80 Retest John P. Moran 3/27/80  
John P. Moran Commission MASS 1266  
 Inspector National Board, State, Province and No.

\*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Division.

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. Date 4-23-92  
Name  
One Oxford Centre, Pgh, PA 15279  
Address
2. Plant Beaver Valley Power Station Unit BVPS Unit 2  
Name  
Shippingport, PA 15077  
Address SMR-2454  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Duquesne Light Co. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address
4. Identification of System Service Water System
5. (a) Applicable Construction Code ASME III 19 71 Edition W 72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83S83
6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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 inlet main steam valve area				2sws-004- 773-3		replacement (MOD)	
heat exchanger							
pipe outlet main steam valve area				*2sws-004- 763-3		replacement (MOD)	

7. Description of Work Install spool pieces and flanges for pipe cleaning (internal access)

8. Tests Conducted: Hydrostatic  Pneumatic  Non-infl Operating Pressure  HYDRO PRESSURE LIMITED BY  
 Other  Pressure 360-23+23+23 psi Test Temp. Ambient °F ASME IWA-5205

\* INSURANCE TEST 84.5 PSI (25-000218 CAPTURED TO A" NUT DISCH. PARG) SAT OCT 4-23-92

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: \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
\_\_\_\_\_

Modifications have been performed by Duquesne Light Co.

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 NGAM 8.5 ASME Sect. XI Repair/Replacement Program

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

Signed Robert Luciani SENIOR ENGR Date 4-23 19 92  
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 MA and employed by ACKWIGHT MUTUAL INS. CO. F of AKW2220, MASS have inspected the components described in this Owner's Report during the period \_\_\_\_\_ to 5/15/92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commission PA2224  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15 19 92

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

Owner Duquesne Light Co. Date 4-23-72  
One Oxford Centre, Pgh., PA 15279 Sheet 2 of 2  
 Name Address  
 Plant Beaver Valley Power Station Unit BVPS Unit 2  
 Name  
Shippingport, PA 15077 SMR-2454  
 Address Repair Organization P.O. No., Job No., etc.  
 Work Performed by Duquesne Light Co. Type Code Symbol Stamp N/A  
 Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
 Address

Identification of System Service Water System

- a) Applicable Construction Code ASME III 19 71 Edition W 72 Addenda N/A Code Case  
 b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 R3SR3

Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial P.O.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Steam inlet in steam jet exchanger	valve area			2-SWS-004-768-3		replacement (MOD)	
Steam outlet in steam jet exchanger	valve area			2-SWS-004-762-3		replacement (MOD)	

Description of Work Install spool pieces and flanges for pipe cleaning (internal access)

Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  HYDRO PRESSURE LIMITED BY IWA-5265 D03 4-13-72  
 Other  Pressure 165 157 psi Test Temp. Ambient °F

\* IN. WILE TEST @ 7.5 PSIG SAR D03 4/23/72  
 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 noted at the top of this form.

FORM NIS-2 (Back)

9. Remarks: \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Modifications have been performed by Duquesne Light Co.

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 NQAM 8.5 ASME Sect. XI Repair/Replacement Program

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

Signed Boyer Lucidaw SENIOR ENGR Date 4-23 19 92  
 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 PA and employed by BRUNNEN MACHINERY CO. of LANCASTER, PA. have inspected the components described in this Owner's Report during the period --- to 5-15-92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Factory Mutual Systems  
 Inspector's Signature Commission National Board, State, Province, and Endorsements

Date 5/15 19 92



**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 5/26/92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit No. #2  
Name  
Shippingport, PA 15077 MWR #6392, 1762  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO - Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code Section III 1971 Edition S'72 Addenda See N-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-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)
2RCS-SG21A	Westinghouse Electric	DMGT-1961	W-16598	A-Steam Generator	1977	Repaired	Yes

7. Description of Work Replaced bolts, plugged tubes

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
VT-Exam

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 N-1 form attached per MWR 6392-5 hand hole on the #1 handhole  
Applicable Manufacturer's Data Reports to be attached  
were replaced, numbers 1, 2, 3, 4, 6 & 8; per MWR 1762 - tubes were plugged  
RIC50, R37C76, R45C59, R29C77

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 NGAM 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed Christine L. Gaudin Date 6/10/02 1902  
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 this Owner's Report during the period March 13 to June 10, 1992 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 Systems

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 16 1992

FORM B-1 B CERTIFICATE HOLDING DATA REPORT FOR SMALLER VESSELS\*

As Required by the President of the UNITED STATES under 46 USC 1

1. Manufactured by WALTON ENGINEERING CORPORATION, Industrial Laboratories Division  
WALTON ENGINEERING, INC., P.O. Box 100, Philadelphia, Pa. 19106  
 (Name and address of manufacturer)  
 2. Manufactured for Boysen Light Company - Boyesen Valley #2, Shillington, PA  
 (Name and address of purchaser)  
 3. Type Vertical and Steam Engine Model 57 Serial No. 10001-1063 Class No. N/A Year Bld. 1977 U-16598  
 (Type, make, model, serial no.) (Type, make, model no.) (Class No.) (Year Bld.) (U-Code)  
 20. Application Agent Carlton 1977 1977 1977 1977 1977 1977 1977 1977 1977  
 (Name) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date)

Notes 4-6 inclusive to be completed for single and multiple units of installed vessels, or shells of heat exchangers.

4. Shell Material S.A. 516 T.A. 80,000 Shell Thk. 3/16 Cap. Adm. 106 in. Dia. 24.0 in. Length 24.0  
 (Name & Spec. No.) (Rate of range specified) (in.) (in.) (in.) (in.) (in.) (in.)  
 5. Engine Long Welded Shell N.Y. Full R.Y. Full Efficiency 100  
 (Type) (Type) (Type) (Type)  
 6. Heads to Material S.A. 516 T.A. 80,000 Ed Material T.A.  

Location	Material	Design	Capacity	Efficiency	Control	Manufactured	Price	Used to Pressure
in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.
Top	3.62	--	--	2.1	---	---	--	Carbon
Ed								

 If applicable, both ends: Material, Spec. No., T.A. Class, Number Other tubing (Describe or attach sketch)

7. Jacket Design Standard (Describe as open or closed, top, vol. of tank, give dimensions, location, or sketch)  
 8. In Shell Pressure 1005 psi at 600 °F Ed Min. Pressure-Tank Temp. 120 °F Rinshell  
Ed Maximum, Hydrostatic, or Combination Test Pressure 1367 psi 150 °F Rinshell

Notes 9 and 10 to be completed for tube sheets.

9. Tube Sheet Material S.A. 516 Spec. 125.75 in. Thk. 21.03 in. Arrangement Welded  
 (Name & Spec. No.) (Material or spec.) (Material or spec.) (Material or spec.)  
 10. Tubes Material 30-163 O.D. 8.75 in. Thk. 0.50 in. or less Number 138 Type U  
 (Name & Spec. No.) (O.D.) (O.D.) (in.) (in.) (in.) (in.) (in.) (in.)  
Ed 3/16 in. Plugged (Describe or U)

Notes 11 to 14 inclusive to be completed for lower cylinders of installed vessels or cylinders of heat exchangers.

11. Shell Material S.A. 516 T.A. 70,000 Shell Thk. 3/16 Cap. Adm. 106 in. Dia. 24.0 in. Length 24.0  
 (Name & Spec. No.) (Rate of range specified) (in.) (in.) (in.) (in.) (in.) (in.)  
 12. Engine Long Welded Shell N.Y. Full R.Y. Full Efficiency 100  
 (Type) (Type) (Type) (Type)  
 13. Heads to Material S.A. 516 T.A. 70,000 Ed Material T.A.  

Location	Material	Design	Capacity	Efficiency	Control	Manufactured	Price	Used to Pressure
in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.	in. Dia.
Top	3.19	---	---	---	---	---	--	Carbon
Ed								

 If applicable, both ends: Material, Spec. No., T.A. Class, Number Other tubing (Describe or attach sketch)

14. In Shell Pressure 1405 psi at 600 °F Ed Min. Pressure-Tank Temp. 120 °F Rinshell  
Ed Maximum, Hydrostatic, or Combination Test Pressure 1767 psi 150 °F Rinshell

\*If installed heat-exchanger, 1. List other material or component specified with appropriate identification code appropriate.  
 2. Subsequent sheets as part of tank, structure, or drawings may be used provided (1) they are 2 1/2 in. x 11 in. (2) identification in notes 1 through 4 of this form appears in each sheet and (3) they are not contradicted and the number of sheets is reported in note 15. Remarks  
 15. Remarks  
 This form required may be obtained from the Order Desk, ASME, 345 E. 47th St., New York, N.Y. 10017

ASME B-1 Blank

Items listed in this report are for all vessels which apply.

PROVIDED BY OTHERS

15. Safety Valve, Pressure Number \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

16. Nozzles

Pressure Rating, weight, class	Number	Size, or Dia	Type	Material	Thickness	Attachment Method	How Attached
Primary Inlet	1	31.00"	Weld End	SA216 GR5C	1.5"	SA216 GR5C	Integral
Primary Outlet	1	31.00"	Weld End	SA216 GR5C	1.5"	SA216 GR5C	Integral
Steam Inlet	1	29.00"	Weld End	SA508 C12	1.5"	SA508 C12	Welded
Feedwater	1	14.00"	Weld End	SA508 C12	1.5"	SA508 C12	Welded

17. Inspection Methods No. 1 Size 16 Location (2) Chamber & (2) Lower Shell

Change Methods No. 2 Size 6 Location Stud Barrel portion of Lower Shell

Thickness No. 3 Size 2 Location Stud Barrel portion of Lower Shell

18. Supporter Size RA Lap TRUCKS Lap \*\*\*\*\* Other \*\*\*\*\* Attached Integally C (Y or N) (Number) (Number) (Number) (Number) (Number) (Number)

19. Remarks The signing of the shop inspection portion of the Data Report is based on the preliminary N-1 Data Report signed by R. L. Long, NRC, PA 15491. The Certificate of Field Assembly Inspection is to document the field hydro's and subsequent RT evaluation.

(Brief description of service for which vessel was designed.)

20. Application of ASME nameplate. 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 Aug 6, 1986 to Vessinghouse Elec Corp. in Charlotte, NC. Certificate of Authorization Expires March 11, 1989 Certificate of Authorization No. N-1466

**CERTIFICATION OF DESIGN**

Design information on file at Vessinghouse Electric Corporation, NCR, Passaic, NJ

Design analysis report on file at Vessinghouse Electric Corporation, NCR, Passaic, NJ

Design specifications certified by B. J. Sylvester Prof. Eng. State PA Reg. No. 15491-E

Design analysis report certified by B. J. Green Prof. Eng. State NJ Reg. No. 11085

**CERTIFICATE OF SHOP INSPECTION**

Vessel made by Vessinghouse Electric Corporation at Passaic, NJ

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 Lumbermens Mut. Cas. Co. at Long Grove, IL have inspected the pressure vessel described in this Manufacturer's Data Report on 8-11-86. To the best of my knowledge and belief, the N. Carolina 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 Data Report, Performance, neither the Inspector nor his employer shall be 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 8/11/86 W. Y. Jones Inspector PA 15491-E

Commissioner NB 7245 N LA 754

**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 of Pennsylvania, and employed by Lumbermens Mut. Cas. Co. at Long Grove, IL have inspected the construction of this Data Report with the described pressure vessel and note that this vessel is in full compliance with the requirements of this Data Report with the described pressure vessel and note that this vessel is in full compliance with the requirements of this Data Report. The described vessel was inspected and subjected to a hydrostatic test under pressure in accordance with the ASME Code, Section III. To the best of my knowledge and belief, the N. Carolina Holder has constructed and assembled 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 Data Report, Performance, neither the Inspector nor his employer shall be 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 8/11/86 W. Y. Jones Inspector PA 15491-E

Commissioner NB 7245 N LA 754

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 5/27/92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address

2. Plant Beaver Valley Power Station Unit No. #2  
Name  
Shippingport, PA 15077 MWR #1763, 1760  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077 Authorization No. "  
Address Expiration Date "

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code Section III, 1992 Edition, S'72 Addenda See N-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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	Required, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2RCS-SG21B	Westinghouse Electric	DMGT-1962	W-16600	B-Steam Generator	1977	Repaired	Yes

7. Description of Work Replaced nut and stud, plugged tubes

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 VT-Exam

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

FORM NIS-2 (Back)

9 Remarks N-1 form attached per MWR #1763 - 4 tubes were plugged. Per MWR #1760  
Applicable Manufacturer's Data Reports to be attached  
one nut and one stud were replaced - 2BC12 (#12 location Cold Leg primary manway)

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 NGAM 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed Christopher A. Good ENG Date 6/10/92 19 92  
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 this Owner's Report during the period March 13 to June 10 1992 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 make any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 Systems

Inspector's Signature [Signature] Commission NB-8316 PA2278  
National Board, State, Province, and Endorsements

Date June 16, 1992

1. Manufactured by Welding Equipment Corporation, Mustang Composites Division  
1000 Highway, Route P.O. 1, Philadelphia, Pa. 19104  
(Name, address, and address of Manufacturer)

2. Manufactured for Deverlight Light Company - Beaver Valley #2, Shillington, PA  
(Name and address of Purchaser)

3. Type Vertical joint SA533 B7E vessel No. 1007-1963 Code No. R/A Part No. V-16589 Date 1977  
(Name, or work) (Type, position, test no.) (Date, Serial No.)

4. Applicable ASME Code Section II, Division 1 Edition 1977 Article 1 Code No. 1998-1993 Date 1977

Items 4-6 included to be completed for single wall vessels, sections of pressure vessels, or shells of heat exchangers.

4. Shell Material SA533 B7E CL 1 Y2 80,000 80,000 106 106 106 106 106  
(Class & Spec. No.) (Min. or range specified) (Nom. Thk. in. Cont. Adj.) (In. Diam. in. S.W. S.W. Length in. S.W. S.W.)

5. Details Long Welded Butt H.T. Full R.T. Full 100  
Over Welded Butt H.T. Full R.T. Full 6  
(Type of joint) (Heat Treatment) (R.T. or Full) (No. of Courses)

6. Results of Material SA533 B7E CL 1 Y2 80,000 80,000 Y2  

Location Test Position, end	Thickness	Group Number	Language Number	Distorted Ratio	Control Area Angle	Manufactured Radius	Full Diagram	Shell or Pressure Location or equivalent
to Top	<u>3.62</u>	<u>--</u>	<u>--</u>	<u>2.1</u>	<u>---</u>	<u>---</u>	<u>--</u>	<u>CONCAVE</u>
to Bottom								

  
If applicable, both used (Material, Spec. No., Y2, Spec. Number) (Date/Testing) (Inspector or special status)

R/A 7. Joint Details 1007-1963 600 120 150 MINIMUM MAXIMUM  
(Describe in detail & sketch, top, end, or side view, give dimensions, quantities, or sketch) (No. of Joints) (Pressure-Test Temp. in. S.W. S.W.) (Pressure-Test Temp. in. S.W. S.W.)

Items 8 and 9 to be completed for tube sections.

8. Tube Section Dictionary Material SA533 B7E CL 1 Y2 80,000 80,000 Y2  
(Class & Spec. No.) (Min. or range specified) (Nom. Thk. in. Cont. Adj.) (In. Diam. in. S.W. S.W. Length in. S.W. S.W.)

9. Tube Section Dictionary Material SA533 B7E CL 1 Y2 80,000 80,000 Y2  
(Class & Spec. No.) (Min. or range specified) (Nom. Thk. in. Cont. Adj.) (In. Diam. in. S.W. S.W. Length in. S.W. S.W.)

10. Tubes Material SA-106 B7E 0.50 0.50 40 118A U  
(Class & Spec. No.) (Min. or range specified) (Nom. Thk. in. Cont. Adj.) (In. Diam. in. S.W. S.W. Length in. S.W. S.W.) (Pressure-Test Temp. in. S.W. S.W.) (Type of Joint)

Items 11 to 14 included to be completed for lesser diameters of pressure vessels or sections of heat exchangers.

R/A 11. Shell Material SA533 B7E CL 1 Y2 80,000 80,000 Y2  
(Class & Spec. No.) (Min. or range specified) (Nom. Thk. in. Cont. Adj.) (In. Diam. in. S.W. S.W. Length in. S.W. S.W.)

12. Details Long Welded Butt H.T. Full R.T. Full 100  
Over Welded Butt H.T. Full R.T. Full 6  
(Type of joint) (Heat Treatment) (R.T. or Full) (No. of Courses)

13. Results of Material SA-106 B7E Y2 70,000 70,000 Y2  

Location Test Position, end	Thickness	Group Number	Language Number	Distorted Ratio	Control Area Angle	Manufactured Radius	Full Diagram	Shell or Pressure Location or equivalent
to Top	<u>5.19</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>62.81</u>	<u>--</u>	<u>CONCAVE</u>
to Bottom								

  
If applicable, both used to (Material, Spec. No., Y2, Spec. Number) (Date/Testing) (Inspector or special status)

14. Joint Details 1007-1963 600 120 150 MINIMUM MAXIMUM  
(Describe in detail & sketch, top, end, or side view, give dimensions, quantities, or sketch) (No. of Joints) (Pressure-Test Temp. in. S.W. S.W.) (Pressure-Test Temp. in. S.W. S.W.)

Items listed to be completed for all vessels unless otherwise indicated.

PROVIDED BY OTHERS

ASME Section	Number	Size	Location
16. Materials			
Particular Section, Section, or Code	Number	Size or Size	Type
Primary Inlet	1	31.00"	Weld End SA216 B7MC 1.5"
Primary Outlet	1	31.00"	Weld End SA216 B7MC 1.5"
Steam Outlet	1	29.00"	Weld End SA508 C12 1.5"
Feedwater	1	14.00"	Weld End SA508 C12 .840"
17. Inspection Mandates	No. 4	Size 16	Location (2) Chamber & (2) Lower Shell
Corrosion Mandates	No. 2	Size 6	Location Stub Barrel portion of Lower Shell
Thickness	No. 4	Size 2	Location Stub Barrel portion of Lower Shell

18. Inspectors: Name NO License TRND/ONE License ----- Other ----- Attached Integrally Cast  
(Yes or No) (Number) (Number) (Described) (Reference to report)

19. Remarks: The signing of the shop inspection portion of the Data Report is based on the preliminary N-1 Data Report signed by B. L. Lacey, NB2583, PA WC333. The Certificate of Field Assembly Inspection is to document the field hydro's and subsequent HT examination.

20. Application of ASME nameplate.

We certify that the statements made in this report are correct and that the vessel complies to the original construction of the ASME Code, Section III.  
Date August 8, 1956 Signed Vestingshouse Elec Corp  
Certificate of Authorization Expires MARCH 11, 1989 Certificate of Authorization No. N-1669

**CERTIFICATION OF DESIGN**  
Design information on file at Vestingshouse Electric Corporation, NCD, Pensacola, FL  
Stress analysis report on file at Vestingshouse Electric Corporation, NCD, Pensacola, FL  
Design qualifications certified by B. L. Sylvester Prof. Eng. State PA Reg. No. 15441-E  
Stress analysis report certified by D. J. Green Prof. Eng. State FL Reg. No. 31045

**CERTIFICATE OF SHOP INSPECTION**  
Vessel made by Vestingshouse Electric Corporation at Pensacola, FL  
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Florida of PA/PA and employed by VESTINGSHOUSE ELECTRIC CORP. of LONG GROVE, FL  
have inspected the pressure vessel described in this Manufacturer's Data Report on 9-11-, 1956 and under oath, 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 under the Inspector's seal 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 September 11, 1956 PA WC 2251  
Commissioner NB 7245 N LA 754  
National Board, State, Province and Reg.

**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 of Florida of PA/PA and employed by VESTINGSHOUSE ELECTRIC CORP. of LONG GROVE, FL  
have inspected the construction in this Data Report with the described pressure vessel and steel that parts referred to in this report were 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 this pressure vessel in accordance with the ASME Code, Section III. The described vessel was inspected and subjected to a hydro test under conditions set out in ASME B31.1.  
By signing this certificate under the Inspector's seal 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 September 11, 1956 NB 7245 N PA WC 2251  
Commissioner NB 7245 N PA WC 2251  
National Board, State, Province and Reg.



**FORM 124 12-66** **VEHICLE SAFETY DEFECT REPORT FORM** "CAR VERBODEN"  
 By Authority of the President of the AFSA-Code Book, Section 12, Ch. 1

Sheet 1 of 1

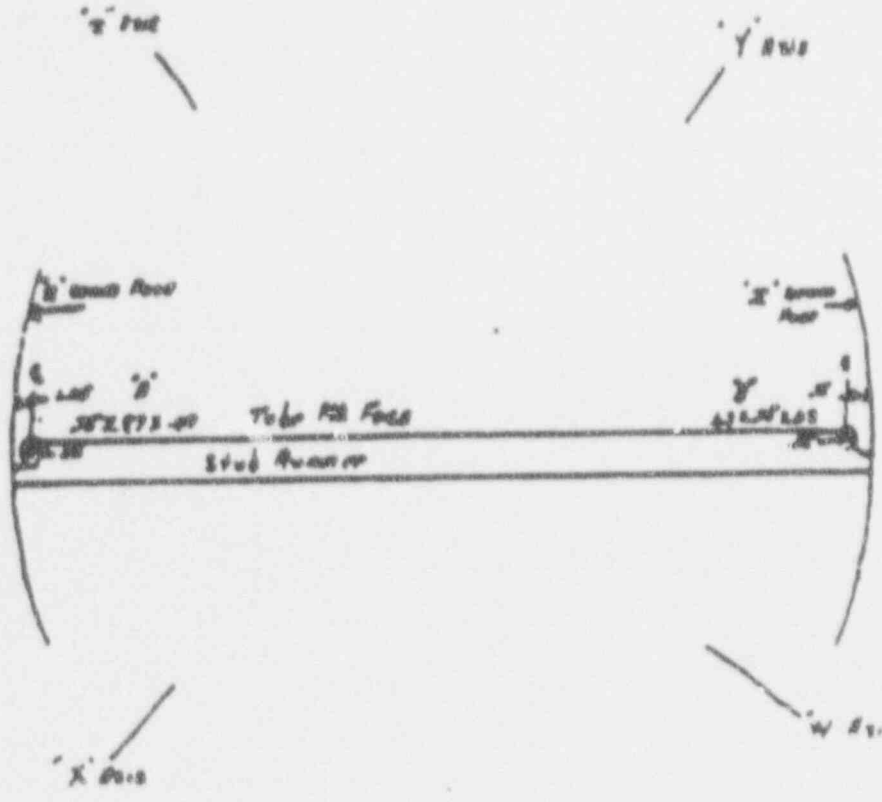
1. Manufactured by TRUCKS, TRAILERS & EQUIPMENT DIVISION  
Name and address of the Manufacturer

2. Manufactured at Pennsylvanian Light Company - Beaver Valley P.O., Shillington, PA  
Name and address of Plant

3. Type Vertical and Light Model No. Model 22 Year No. 1977-1983 Case No. R/A Part No. W-1659 Date 1977  
(month, or week) (month, year or day) (month, year or day)

4. Affected AD/CD Code: Section 12, Bulletin 1977 Addressed by 1/77 Case No. 1528 1355 1528 1493 1443

Bad Temper Repair Per N84643:

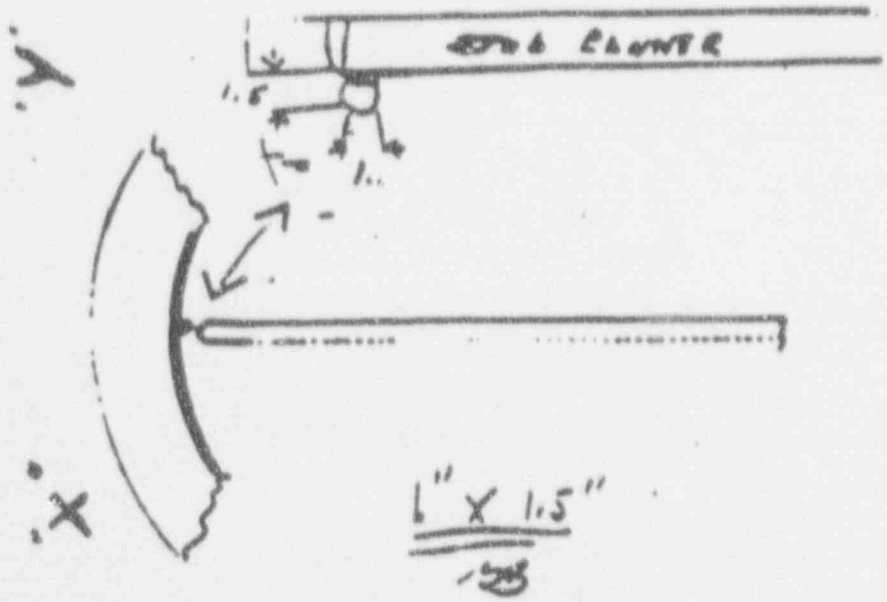


FORM 8-1 (10-65) PLEASE HOLD UP TO A HIGHER POWER RESPONSIBLY

As Required by the Provisions of 18 U.S.C. Code Title, Chapter 36, Section 7

1. Manufacturer of Lighting Fixture (Name and address of Manufacturer)  
2. Manufacturer of Fluorescent Light Company - Beaver Valley #2, Blairsville, PA (Name and address of Manufacturer)  
3. Part Vertical (Part, assembly, part no.)  
4. Part Vertical (Part, assembly, part no.)  
5. Applicable 1971 (Year)  
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96. Applicable 1971 (Year)  
97. Applicable 1971 (Year)  
98. Applicable 1971 (Year)  
99. Applicable 1971 (Year)  
100. Applicable 1971 (Year)

Bond Temper Repair Per 10463:



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 5/27/92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2

2. Plant Beaver Valley Power Station Unit No. #2  
Name  
Shippingport, PA 15077  
Address MWR #1761, 1438, 1765, 8250  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO - Construction Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code Section III 1971 Edition, S'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 Replacement Components

Name of 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 Electric	DMGT-1963	W-16600	C-Steam Generator	1977	Repaired	Yes

7. Description of Work Repaired damaged bolt holes, replaced studs & nuts, plugged tubes.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 VT-Exam

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 N-1 form attached, per MWR 1761 replaced primary manway GSHMS- Cold Leg  
Applicable Manufacturer's Data Reports to be attached  
3, 5, 6, 12, 13 - Hot Leg 2 & 7 nuts - cold leg 3, 2, 5, 6, 11, 12 - Hot Leg 6;  
per MWR 1438 installed insert in #5 Hot Leg primary manway stud hole, per  
MWR 1765 plugged 3 new tubes RIC46, R45C36, R37C76; replugged F11C4, R33C16  
R9C33; per MWR 8250 helicoiled primary manway stud holes #3, #6, #10 Cold Leg and  
#2 Hot Leg.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM 8.5 \*ASME Section XI Repair/Replacement Program\*

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

Signed C. Stame of Corp Date 6/10 19 92  
Owner or Owner's Designee, Etc.

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 this Owner's Report during the period March 13, to June 10, 1992 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 make any warranty, expressed or implied, concerning the  
 examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer  
 shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this  
 inspection.

J. Muckler Inspector's Signature NB 8316 PA 2248 Commissioner  
\*Factory Mutual Systems  
National Board, State, Province, and Endorsements

Date June 16, 1992

FORM B-1 (NCE) VESSEL HOLDER'S DATA REPORT FOR "CLEAR VESSEL"

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

1. Manufactured by Westinghouse Electric Corporation, Nuclear Components Division  
Scenic Highway, Route U.S. 90, Pensacola, FL 32514  
 (Name and address of Manufacturer)

2. Manufactured for Duquesne Light Company - Beaver Valley #2, Shippingport, PA  
 (Name and address of Purchaser)

3. Type Vertical Code SGR GENERAL SERVICE Vessel No. DNGT-1963 Corr. No. N/A Part No. W-16600  
 (Name, or mark) (Type, location, heat ex.) (Date, Serial No.)

3a. Applicable ASME Code: Section III, Edition 1971 Applicable code S 172 Case No. 1528 1355  
1484

Items 4-6 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material SA533 GrA Cl1 T.S. 80,000 Nom. Thk. 2.1 in. Corr. Allow. 0.0 in. Diam. 24.0 in. Length 41.5 ft.

5. Seams: Long Weld Dbl Buss H.T. Full R.T. Full Efficiency 100  
 Circ Weld Dbl Buss H.T. Full R.T. Full No. of Courses 6

6. Heads: (a) Material SA533 GrA Cl1 T.S. 80,000 (b) Material T.S.

Location (top, bottom, or side)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Spherical Radius	Flat Depth	Shape to Profile (curved or conical)
(a) <u>TOP</u>	<u>3.62</u>	<u>---</u>	<u>---</u>	<u>2:1</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>CONCAVE</u>
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolt used \_\_\_\_\_ Other fastening \_\_\_\_\_  
 (Material, Bolt No., T.S., Bolt Number) (Describe or attach sketch)

N/A 7. Jacket Closure \_\_\_\_\_  
 (Describe as open or closed, top, etc. If top, give dimensions, diameter, or sketch)

8. (a) Design Pressure 1085 psig or 60 % P of MAWP Pressure-Test Temp. 120 °F Minimum  
 (c) Pressure, Hydrostatic or Combinations Test Pressure 1367 psig 150 °F Maximum

Items 9 and 10 to be completed for tube sheets.

9. Tube Sheet: Stationary: Material SA508 Cl2 Diam. 125.75 in. Thk. 21.03 in. Attachment Welded  
 (Kind & Bolt No.) (Support to shell)

Floating: Material \_\_\_\_\_ Diam. \_\_\_\_\_ in. Thk. \_\_\_\_\_ in. Attachment \_\_\_\_\_

10. Tubes: Material SA-163 O.D. 8.75 in. Thk. 0.50 in. or less 9+1/2 in. Length 338 ft. Type U  
 (Kind & Bolt No.) 100% S & Plugged (Straight)

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

N/A 11. Shell: Material \_\_\_\_\_ T.S. \_\_\_\_\_ Nom. Thk. \_\_\_\_\_ in. Corr. Allow. \_\_\_\_\_ in. Diam. \_\_\_\_\_ in. Length \_\_\_\_\_ ft.  
 (Kind & Bolt No.) (Date, or range specification)

12. Seams: Long \_\_\_\_\_ H.T. \_\_\_\_\_ R.T. \_\_\_\_\_ Efficiency \_\_\_\_\_  
 (Welded, etc., single) (Type or heat)

Circ Weld Dbl Buss H.T. Full R.T. Full No. of Courses \_\_\_\_\_

13. Heads: (a) Material SA-316 T.S. 70,000 (b) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (c) Material \_\_\_\_\_ T.S. \_\_\_\_\_

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Spherical Radius	Flat Depth	Shape to Profile (curved or conical)
(a) Top, bottom, and	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	<u>5.19</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>62.81</u>	<u>---</u>	<u>CONCAVE</u>
(c) Floating	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolt used (a) \_\_\_\_\_ (b) \_\_\_\_\_ (c) \_\_\_\_\_ Other fastening \_\_\_\_\_  
 (Material, Bolt No., T.S., Bolt Number) (Describe or attach sketch)

14. (a) Design Pressure 2485 psig or 650 % P of MAWP Pressure-Test Temp. 120 °F Minimum  
 (c) Pressure, Hydrostatic, or Combinations Test Pressure 3107 psig 250 °F Maximum

If applicable, heat-treated, 1 List order material or material specification and applicable temperature when applicable.  
 \*Supplemental codes in hand of rules, sketches, or drawings may be used provided: (1) they are in ASME Section III, (2) identification in item 1 (a) of this Data Report is included on each shell and (3) each shell is numbered and the diameter of shell is recorded in item 10. Remarks

Items Below to be completed for all vessels, unless otherwise noted.

PROVIDED BY OTHERS

15. Safety Valve Outlets: Number \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

16. Nozzles:

Purpose (Name, or I.D. or size)	Quantity	diam. or Size	Type	Material	Thickness	Min. Reinforcement	Notes
Primary Inlet	1	31.00"	Weld End	SA216 GrWC	1.5"	SA216 GrWC	Integ
Primary Outlet	1	31.00"	Weld End	SA216 GrWC	1.5"	SA216 GrWC	Integ
Steam Outlet	1	29.00"	Weld End	SA508 C12	1.5"	SA508 C12	Welder
Feedwater	1	14.00"	Weld End	SA508 C12	.840"	SA508 C12	Welder

17. Inspection Manholes: No. 4 Size 16 Location (2) Chamber & (2) Upper Shell

Openings, Manholes: No. 2 Size 6 Location Stub Barrel portion of Lower Shell

Throated: No. 4 Size 2 Location Stub Barrel portion of Lower Shell

18. Supports: Skirt  No  Yes or No Level Four (4) Trunnions Legs  Other  Attached  Integral

19. Remarks: The signing of the Shop Inspection portion of the Data Report is based on the preliminary N-1 Data Report signed by R. Lerry, NB7587, PA WC2231. The Certificate of Field Assembly Inspection is to document the field hydro's and subsequent MT examination.

(Brief description of service for which vessel was designed.)

20. Application of ASME nameplate.

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

Date Aug 6, 1986, 19 1986 Signed Westinghouse Elec Corp (N Certificate Holder)

Certificate of Authorization Expires March 11, 1989 Certificate of Authorization No. N-15669

**CERTIFICATION OF DESIGN**

Design information on file at Westinghouse Electric Corporation, NCD, Pensacola, FL

Stress analysis report on file at Westinghouse Electric Corporation, NCD, Pensacola, FL

Design specifications certified by R. L. Sylvester Prof. Eng. State PA Reg. No. 15441-E

Stress analysis report certified by D. J. Green Prof. Eng. State FL Reg. No. 31085

**CERTIFICATE OF SHOP INSPECTION**

Vessel made by Westinghouse Electric Corporation at Pensacola, FL

I, the undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of LA/PA and employed by Lumbermans Mfg. Gas Co. at Long Grove, IL have inspected the pressure vessel described in this Manufacturer's Data Report on 9-11- 19 86 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 SEPTEMBER 11 19 86 PA WC 2281

W. Y. Jones Commissioner NB7345 N 14754  
National Board, State, Province and Reg.

**CERTIFICATE OF FIELD ASSEMBLY INSPECTION**

I, the undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of LA/PA and employed by Lumbermans Mfg. Gas Co. at Long Grove, IL have compared the assembly in this Data Report with the described pressure vessel and state that parts referred to as such were not included in the certificate of shop inspection have inspected by me and that to the best of my knowledge and belief the N Certificate Holder has constructed and assembled the 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 1357/3107 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 SEPTEMBER 11 19 86 PA WC 2281

FORM N-1 IN CEA NUCLEAR HOLDERS' DATA REPORT FOR A "CLEAR VESSEL"

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

Sheet 2 of 2

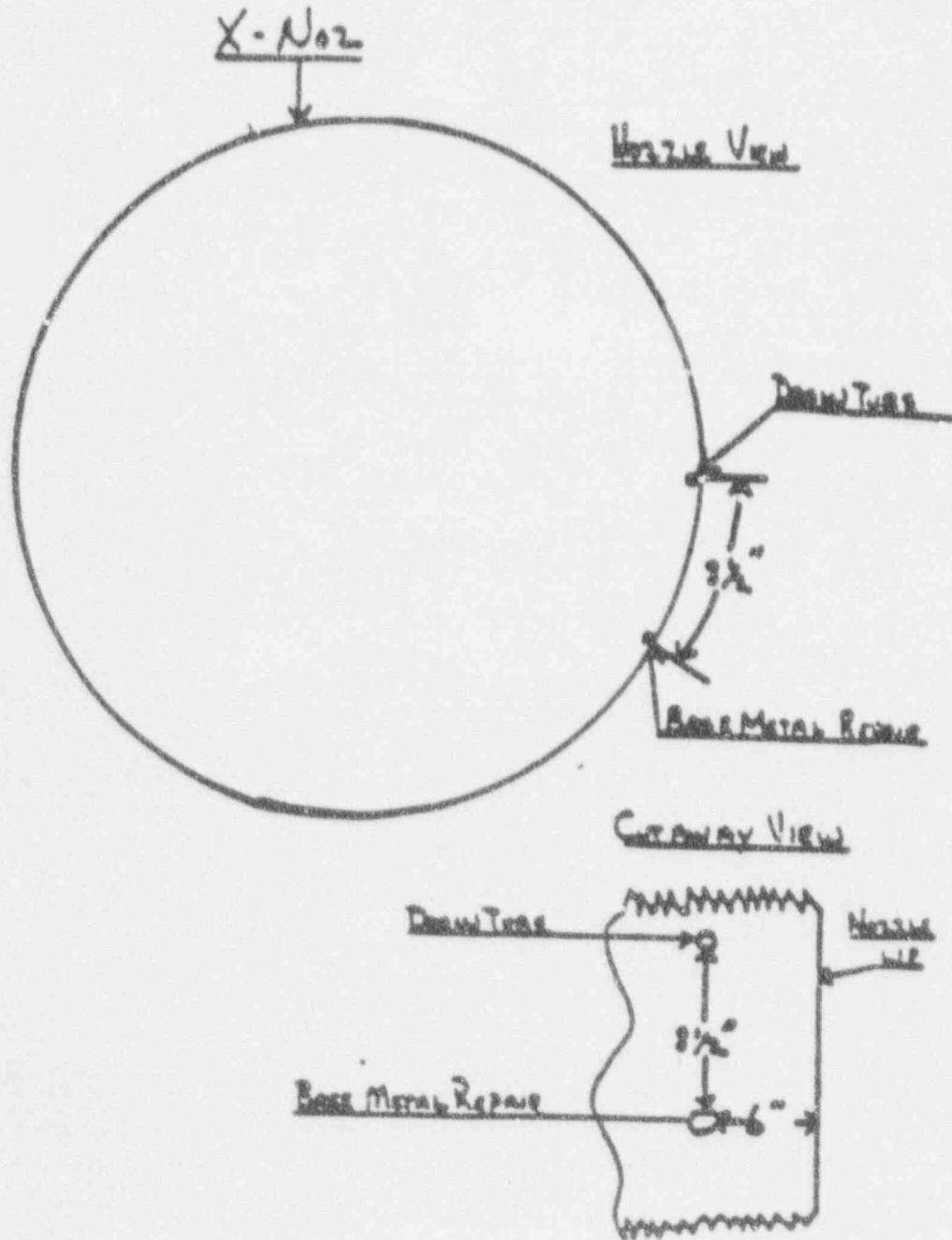
1. Manufactured by Westinghouse Electric Corporation, Nuclear Components Division  
300 E. Highways, Route U.S. 90, Pensacola, FL 32518  
(Name and address of Manufacturer)

2. Manufactured for Duquesne Light Company - Beaver Valley #2, Shippingport, PA  
(Name and address of Purchaser)

3. Type Vertical and Steam Generator Model 51 Vessel No. DMGT-1963 CRN No. N/A Man'l. Del. No. W-16600  
(Type, location, heat ex.) (Mfg. Serial No.) Tr. Date 1977  
(Date, location, heat ex.)

4. Addressed ASME Code Section III, Edition 1971 Address code S 172 Case No. 1528 1355  
1528 1493 1  
1484

Bead Temper Repair NB4643:



Attachment E  
 DCP Number 1723  
 For 'A' SWS TRAIN  
 Form # 352

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

1. Owner DIVISIONE LIGHT COMPANY Date 3-31-92  
Name  
ONE VANDER LINDEN, PITTSBURGH PA 15275 Sheet 1 of 1  
Address
2. Plant BEAVER VALLEY PUMP STATION Unit BV-2  
Name  
SHIPPENSBURG PA 15077 DCP-1723  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DIVISIONE LIGHT COMPANY Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
SHIPPENSBURG PA 15077 Expiration Date N/A  
Address
4. Identification of System SERVICE WATER SYSTEM
5. (a) Applicable Construction Code ASME III 1971 Edition, WINTER 1972 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 DCP-1723
6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	TARGETOCK	N/A	N/A	2SWS + PCV 117A	N/A	REPLACEMENT (M200)	

7. Description of Work REMOVAL OF VALVE 2SWS + PCV 117 A AND REPLACEMENT WITH PIPE SPOOL WITH FLANGES
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 170.0 psi Test Temp. 66.5 °F  
(165 + 10 PSIG)

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 \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

MODIFICATION HAS BEEN MADE BY DUKESNE LIGHT COMPANY

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Per NCAM 9.5 ASME XI Repair/Replacement Program

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

Signed JR. Steles / Prin Engr Date 3-31 19 92  
 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 Arbuckle Mutual Ins. Co. of Nattham, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 27, 92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

J. Muckell Commissions NB 8316 PA 2278  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 2, 1992

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 4.23.92  
Name  
ONE OXFORD CENTRE PITTSBURGH, PA 15279 Sheet 1 of 1  
Address
2. Plant BEAVER VALLEY POWER STATION Unit BV-2  
Name  
SHIPPING PORT PA 15077 DCP-1723  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DUQUESNE LIGHT COMPANY Type Code Symbol Stamp N/A  
Name Authorization No. "  
SHIPPING PORT PA 15077 Expiration Date "  
Address
4. Identification of System SERVICE WATER SYSTEM
5. (a) Applicable Construction Code ASME III 1971 Edition, W/1972 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-283A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	TARGET ROCK	N/A	N/A	2 SWS * PCV 117B	N/A	REPLACEMENT (MCD)	

7. Description of Work REMOVAL OF VALVE 2 SWS \* PCV 117B AND REPLACEMENT WITH PIPE SPOLE WITH FLANGES

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 170.0 psi Test Temp. AMBIENT °F  
(165 FID PER)

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 \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
 \_\_\_\_\_  
MODIFICATION HAS BEEN MADE BY DUNKINE LIGHT COMPANY  
 \_\_\_\_\_

**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 or replacement

Type Code Symbol Stamp Per NGAM B.5 ASME XI Repair/Replacement Program

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

Signed Samuel M. Muckley / Sr. Eng. Date 4-23-1992  
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 Factory Mutual Ins Co of Hatfield, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 23, 92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Samuel M. Muckley Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 3, 1992

NIS-2 Form for Train 'A'  
 SWS Piping Mod's -  
 Auxiliary Building

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. Date 4-23-92  
Name  
One Oxford Centre, Pgh., PA 15279  
Address

2. Plant Beaver Valley Power Station Unit BVPS Unit 2  
Name  
Shippingport, PA 15077  
Address  
 SMR - 2425  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Duquesne Light Co. Type Code Symbol Stamp N/A  
Name  
Shippingport, PA 15077  
Address  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System Service Water System

5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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-Supply Charging Pump				① 2SWS-003-181-3		Replacement (Mod)	
Lube Oil Coolers							
Pipe-Return Charging Pump				*2SWS-003-180-3		Replacement (Mod)	
Lube Oil Coolers							

7. Description of Work Install Isolation Valves and Flanges for Pipe Cleaning Internal Access

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 164.0 psi Test Temp. Ambient °F - HYDROSTATIC TEST PRESSURE LIMITED BY ASME III IWA-5265 003 4/23/92  
 \* DOWNSTREAM SIDE OF 2SWS-003-181-3 AND 2SWS-003-180-3 WAS IN SERVICE TESTED @ 1.5 PSIG S/D 03 4/23/92

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 \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Modifications have been performed by Duquesne Light Co.

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 NGAM 8.5 ASME Sect. XI Repair/Replacement Program

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

Signed Scott Debus Date 4/23 19 92  
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 Abernethy Mutual Ins Co. of Hatfield Mass. have inspected the components described in this Owner's Report during the period March 19 to April 23, 1992 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.

GD Muckle Commissions FACTORY MUTUAL SYS. NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 3, 1992

NIS-2 Form for Train 'B'  
 SWS Piping Mod's -  
 Auxiliary Building

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  
One Oxford Centre, Pgh., PA 15279  
 Address

2. Plant Beaver Valley Power Station  
 Name  
Shippingport, PA 15077  
 Address

3. Work Performed by Duquesne Light Co.  
 Name  
Shippingport, PA 15077  
 Address

Date 4-23-92  
 Sheet 1 of 2  
 Unit BVPS Unit 2  
 SMR - 2425  
 Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System Service Water System

5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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-Supply Charging Pump				① 2SWS-003-182-3		Replacement (Mod)	
Lube Oil Coolers							
Pipe-Return Charging Pump				* 2SWS-003-183-3		Replacement (Mod)	
Lube Oil Coolers							

7. Description of Work Install Isolation Valves and Flanges for Pipe Cleaning Internal Access

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Other  Pressure 164.0 psi Test Temp. Ambient °F / HYDROSTATIC TEST PRESSURE LIMITED BY ASME III IWA-5265 D05 4/23/92

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 \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

Modifications have been performed by Duquesne Light Co.

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 NGAH 8.5 ASME Sect. XI Repair/Replacement Program

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

Signed Scott Debus 2977 Date 4/23 19 92  
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 Lehigh Valley Mutual Ins Co. of Northwood, Mass. have inspected the components described in this Owner's Report during the period March 3 to April 23 1992 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.

ST Juckle Commission Factory Mutual Sys.  
Inspector's Signature NB8316 PA 2248  
National Board, State, Province, and Endorsements

Date April 3, 19 92

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. Date 4-23-92  
Name  
One Oxford Centre, Pgh., PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit BVPS Unit 2  
Name  
Shippingport, PA 15077 DCP \_\_\_\_\_  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Duquesne Light Co. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address

4. Identification of System Service Water System

5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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-Supply, SW Valve Pit				2SWS-006-189-3		Replacement (Mod)	
Pipe-Supply C.R. Access Tan.				2SWS-006-042-3		"	
Pipe-Supply, C.R. Access Tan.				2SWS-006-163-3		"	

7. Description of Work Install flanges for pipe cleaning internal access.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 157.0 psi Test Temp. Ambient \*F - HYDROSTATIC TEST PRESSURE LIMITED BY  
 \* 7.5 psi - INSERVICE TEST ASME III IWA-5265 DJS 4/23/92

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 \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
\_\_\_\_\_

Modifications have been performed by Duquesne Light Co.

**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 NGAM 8.5 ASME Sect. XI Repair/Replacement Program

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

Signed D. Teal Prim. Engr Date 4-23 19 92  
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 Liberty Mutual Ins. Co. of Norwood, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 23, 1992 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.

G. Muckle Commissions NB 8316 PA 2248  
Inspector's Signature Factory Mutual Sys.  
National Board, State, Province, and Endorsements

Date June 3 19 92

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. Date 3-31-92  
Name  
One Oxford Centre, Pgh., PA 15279  
Address

2. Plant Peaver Valley Power Station Unit BVPS Unit 2  
Name  
Shippingport, PA 15077  
Address  
Repair Organization P.O. No., Job No., etc.  
DCP

3. Work Performed by Duquesne Light Co. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Shippingport, PA 15077 Expiration Date N/A  
Address

4. Identification of System Service Water System

5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 9 83S83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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-Supply SW Valve Pit				2SWS-006 -187-3		Replacement (Mod)	
Pipe-Supply C.R. Access Tun.				2SWS-006 -043-3		"	
Pipe-Return C.R. Access Tun.				2SWS-006 -164-3		"	

7. Description of Work Install flanges for pipe cleaning internal access.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Press.   
 Other  Pressure 163.0 psi Test Temp. Ambient \* OF HYDRO PRESSURE LIMITED BY  
 \* 84.5 psi IWA-5265 D034/92

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.

(1) PRESSURE @ 2SWP210 DISCHARGE - CROSS MED TO "A" NO.  
 ONLY SYSTEM IN SERVICE TEST PERFORMED D034/92

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
\_\_\_\_\_

Modifications have been performed by Duquesne Light Co.

**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 NGAM 8.5 ASME Sect. XI Repair/Replacement Program

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

Signed [Signature] / Prin. Engr Date 3-31- 19 92  
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 Unwrought Mutual Ins Co. of Norwood, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 24, 1992 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions FACTORY MUTUAL SYSTEM  
Inspector's Signature NB 8316 PA 2248  
National Board, State, Province, and Endorsements

Date June 2, 1992

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 April 24, 1992  
Name  
One Oxford Center, Pittsburgh, PA 15279  
Address  
 Sheet 1 of 6

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
DCP 1502 (Partial)  
Repair Organization F.O. No., Job No., etc.

3. Work Performed by DlCo (NCD) Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Service Water

5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Product No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-SWS-001-B19-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Pipe 2-SWS-001-B20-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Pipe 2-SWS-001-B21-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Pipe 2-SWS-001-B22-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No

7. Description of Work Replaced one inch carbon steel with one inch stainless steel

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 165 psi Test Temp. Ambient °F

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

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be 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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Gonzald R. Smith Date 4/28 19 92  
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 Rhode Island and employed by Arkwright Mutual Ins. Co. of Newport, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 28, 1992, 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] Commission NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 5, 1992

**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 April 24, 1992  
Name  
One Oxford Center, Pittsburgh, PA 15279  
Address Sheet 3 of 6

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address DCP 1502 (Partial)  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo (NCD) Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Service Water

5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2EGS*E22A	American Standard	8-20012-01-1	31124	Jacket Water Heat Exchanger	77	Replacement (MOD)	Yes
2EGS*#22B	American Standard	8-20012-01-2	31125	Jacket Water Heat Exchanger	77	Replacement (MOD)	Yes

7. Description of Work Addition of Thermowell to Heat Exchanger

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F Inservice Leak Test  
 Thermowell is 3/4 inch Threaded Connection

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 the form.

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Gerald R. Smith Date 4/28 19 92  
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 Arbuckle Mutual Ins Co. of Marwood, Texas have inspected the components described in this Owner's Report during the period March 13 to April 28, 1992 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.

A. J. Fuelle Commissions FACTORY MUTUAL Sys  
Inspector's Signature NB 8316 PA 2248  
National Board, State, Province, and Examinations

Date June 5, 19 92

**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 April 24, 1992  
Name  
One Oxford Center, Pittsburgh, PA 15279  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address DCP 1502 (Partial)  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCo (NCD) Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Service Water
5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-SWS-030-142-3	N/A	N/A	N/A	N/A	N/A	Replacement (MOD)	No
Pipe 2-SWS-030-142-M1	Joseph Oat	J-6305A	N/A	N/A	92	Replacement (MOD)	Yes
Pipe 2-SWS-030-143-3	N/A	N/A	N/A	N/A	N/A	Replacement (MOD)	No
Pipe 2-SWS-030-143-M1	Joseph Oat	J-6305B	N/A	N/A	92	Replacement (MOD)	Yes

7. Description of Work Addition of flanged stainless spool piece

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 165 psi Test Temp. Ambient °F

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



FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be 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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith Date 4/28 19 92  
Owner or Owner's Designee, This

**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 Lehigh Valley Mutual Ins. Co. of Norwood, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 28, 92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Inspector's Signature Commission NB 8216 PA 2278  
National Board, State, Province, and Endorsements

Date June 5, 19 92

**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 April 24, 1992  
Name  
One Oxford Center, Pittsburgh, PA 15279  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
DCP 1502 (Partial)  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo (NCD) Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Service water

5. (a) Applicable Construction Code ASME III 1971 Edition, h72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Edition, Summer 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-SWS-004-190-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Pipe 2-SWS-004-B04-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Pipe 2-SWS-004-191-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Pipe 2-SWS-004-B05-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Pipe 2-SWS-004-192-3	N/A	N/A	N/A	Orifice	N/A	Replacement (MOD)	No
Pipe 2-SWS-004-193-3	N/A	N/A	N/A	Orifice	N/A	Replacement (MOD)	No

7. Description of Work: Addition of flanged stainless steel spool and bored out flow element to full flow spacer

B. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 165 psi Test Temp. Ambient °F

NOTE: Flow element/spacer not hydroed, beyond last isolation valve.

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 \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be 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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Ronald R Smith Date 4/28 19 92  
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 Factory Mutual Ins. Co. of Norwood, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 28, 1992 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions FACTORY MUTUAL Sys.  
Inspector's Signature NB8316 PA 2248  
National Board, State, Province, and Endorsements

Date June 5, 1992

**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 April 24, 1992  
Name  
One Oxford Center, Pittsburgh, PA 15279 Sheet 5 of 6  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 DCP 1502 (Partial)  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO (NCD) Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System: Service Water

5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1983 Edition, Summer 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-SWS-750-A99-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Valve 2SWS-1201	Vogt	163-214959	N/A	VOS060-CZ-3	83	Replacement (MOD)	Yes
Pipe 2-SWS-750-B01-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Valve 2SWS-1202	Vogt	198-214959	N/A	VOS060-CZ-3	83	Replacement (MOD)	Yes
Pipe 2-SWS-750-B02-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No

7. Description of Work: Addition of test connection valves

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  NOTE: Inservice leak test components less than one inch in size.  
 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 \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be 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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith 4/28 19 92  
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 Massachusetts and employed by Arkwright Mutual Ins. Co. of New Bedford, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 28, 1992 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.

J. Mucklo Commissions FACTORY MUTUAL Sys.  
Inspector's Signature NB 8316 PAR 48  
National Board, State, Province, and Endorsements

Date June 5, 1992

**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 April 24, 1992  
Name  
One Oxford Center, Pittsburgh, PA 15279 Sheet 6 of 6  
Address  
 2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 DCP 1502 (Partial)  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DlCo (NCD) Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A  
 4. Identification of System Service Water

5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve 2SWS-1203	Vogt	186- 214959	N/A	VOS060-CZ-3	83	Replacement (MOD)	Yes
Pipe 2-SWS-750-B03-3	N/A	N/A	N/A	Pipe	N/A	Replacement (MOD)	No
Valve 2SWS-1204	Vogt	172- 214959	N/A	VOS060-CZ-3	83	Replacement (MOD)	Yes

7. Description of Work Addition of test connection valves

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

NOTE: Inservice leak test components less than one inch in size.

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

FORM NIS-2 (Back)

9. Remarks N/A  
 Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE Replacement**

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

Type Code Symbol Stamp Per NGAM 8.5 ASME Section XI Repair/Replacement Program

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

Signed JK Smith Date 4/28/92 1992  
 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 Massachusetts and employed by Arkwright Mutual Ins. Co. of Worcester, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 28, 1992 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.

GT Muckle Commissions FACTORY MUTUAL SYS. NB 8316 PA 2248  
 Inspector's Signature National Board, State, Province, and Endorsements

Date: June 5, 1992

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 May 5, 1992  
Name  
One Oxford Center, Pgh PA 15279 Sheet 1 of 9  
Address  
 2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport PA 15077 P 1377  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DLCo Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Auxiliary Feedwater System  
 5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-FWE-006-69-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-750-87-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-150-201-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-006-149-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-750-43-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No

7. Description of Work Increase System Design Pressure (Rerate)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1813 psi Test Temp. ambient          °F

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



FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be 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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith Date 4/28 19 92  
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 Massachusetts and employed by Factory Mutual Ins. Co. of Lowell, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 25, 1992 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Inspector's Signature Factory Mutual Sys. Commis  
VB 80316 PA 2248  
National Board, State, Review, and Endorsements

Date June 5, 1992

**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 May 5, 1992  
Name  
One Oxford Center, Pgh PA 15279 Sheet 2 of 9  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport PA 15077 DCP 1377  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCo Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Auxiliary Feedwater System
5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

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

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-FWE-150-202-B	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-306-151-B	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-003-146-B	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-750-38-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-750-40-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mods)	No

7. Description of Work Increase System Design Pressure (Rerate)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1813 psi Test Temp. ambient °F

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

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be 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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith Date 4/28 19 92  
 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 March 13 to April 28, 1992 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 8316 PA 2248  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 5, 1992

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 May 5, 1992  
Name  
One Oxford Center, Pgh PA 15279 Sheet 3 of 9  
Address  
 2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport PA 15077 DCP 1377  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DLCo Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Auxiliary Feedwater System  
 5. (c) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-FWE-750-42-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-750-138-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-002-203-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-750-60-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-006-189-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No

7. Description of Work Increase System Design Pressure (Rerate)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1813 psi Test Temp. ambient °F

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

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be 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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificator of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith Date 4/20 19 92  
 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 Merioneth, Mass. have inspected the components described in this Owner's Report during the period March 13, to April 25, 1992 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.

G. Muckell Inspectors' Signature FACTORY MUTUAL SYS - Commissioners NB 8316 PA 2248  
 National Board, State, Province, and Endorsements

Date June 5, 1992

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 MAY 5, 1992  
Name  
One Oxford Center, Pgh PA 15279  
Address  
 Sheet 4 of 9  
 2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport PA 15077  
Address  
DCP 1377  
Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DLCo Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Auxiliary Feedwater System  
 5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-FWE-750-40-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-750-46-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-750-47-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-006-7-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-006-8-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No

7. Description of Work Increase System Design Pressure (Rerate)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1873 psi Test Temp. ambient °F

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

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be 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 OR REPLACEMENT

Type Code Symbol Stamp: \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith Date 4/28 19 92  
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 Massachusetts and employed by Arthur Wright Manufacturing Co. of Newwood, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 28, 1992 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.

G. Mucke Commissions NB 8316 PA 2278  
Inspector's Signature NATIONAL BOARD, STATE, PROVINCE, AND ENDORSEMENT

Date June 5 19 92

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 May 5, 1992  
Name  
One Oxford Center, Pgh PA 15279 Sheet 5 of 9  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport PA 15077 DCP 1377  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCO Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Auxiliary Feedwater System
5. (a) Applicable Construction Code ASME III 19 71 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

Identification of Components Repaired or Replaced and Replacement Components

Name of 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 2-FWE-006-9-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-004-104-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-004-105-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-185-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-99-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No

7. Description of Work Increase System Design Pressure (Rerate)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1813 psi Test Temp. ambient °F

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



FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be 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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith Date 4/28 19 92  
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 March 13 to April 28, 1992 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.

G. M. Luckee Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements  
FACTORY MUTUAL Sys.

Date June 5, 19 92

**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 May 5, 1992  
Name  
One Oxford Center, Pgh PA 15279 Sheet 6 of 9  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport PA 15077 DCP 1377  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCo Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Auxiliary Feedwater System
5. (a) Applicable Construction Code ASME III 19 71 Edition, W 72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-FWE-500-923-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-922-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-923-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-921-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-97-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No

7. Description of Work Increase System Design Pressure (Rerate)
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1813 psi Test Temp. ambient °F

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

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith Date 4/28 19 92  
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 Arlington Mutual Ins. Co. of Norwood, Mass. have inspected the components described in this Owner's Report during the period March 19 to April 28, 1992 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.

J. Mucke Commissions NB 2316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements  
Date June 5 19 92

**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 May 5, 1992  
Name  
One Oxford Center, Pgh PA 15279 Sheet 7 of 9  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport PA 15077 DCP 1377  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCO Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Auxiliary Feedwater System
5. (a) Applicable Construction Code ASME III 19 71 Edition, W 72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-FWE-500-920-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-919-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-918-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-181-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-500-95-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No

7. Description of Work Increase System Design Pressure (Rerate)

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1813 psi Test Temp. ambient °F

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

FORM NIS-2 (Back)

9. Remarks \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be 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 or replacement

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith Date 4/28 19 92  
 Owner or Owner's Designee, Title

CERTIFICATE OF IN-SERVICE INSPECTION

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 Merwood, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 28, 1992 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.

G. M. Jucke Commissions Factory Mutual Sys.  
 Inspector's Signature NB 8316 PA 2248  
 National Board, State, Province, and Endorsements

Date April 3, 1992

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 May 5, 1992  
Name  
One Oxford Center, Pgh PA 15279  
Address Sheet 8 of 9
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport PA 15077  
Address DCP 1377  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCc Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Auxiliary Feedwater System
5. (a) Applicable Construction Code ASME III 19 71 Edition, W 72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe 2-FWE-004-100-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-004-114-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-004-110-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No
Pipe 2-FWE-004-115-3	N/A	N/A	N/A	Pipe	N/A	Replacement (Mod)	No

7. Description of Work Increase System Design Pressure (Rerate)
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1813 psi Test Temp. ambient °F

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

FORM NIS-1 (Back)

9. Remarks \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be attached \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp \_\_\_\_\_

Certificate of Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signed Donald R. Smith Date 4/28 19 92  
 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 Ins. Co. of Newwood, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 28, 1992 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.

J. Muckle Commissions FACTORY MUTUAL Sys.  
 Inspector's Signature NB 8316 PA 2248  
 National Board, State, Province, and Endorsements

Date June 5, 1992

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 May 5, 1992  
Name  
One Oxford Center, Pgh PA 15279 Sheet 9 of 9  
Address  
 2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport PA 15077 DCP 1377  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DLCO Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Auxiliary Feedwater System  
 5. (a) Applicable Construction Code ASME III 19 71 Edition, W 72 Addenda N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Edition, Summer 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2FWE*RV101	Dresser	TQ62061	LA664 WC2605	Relief Valve	85	Repair (Mod)	Yes

7. Description of Work Repaired, modified to liquid trim and increased setpoint  
 8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1430 psi Test Temp. ambient °F

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



FORM NIS-2 (Back)

9. Remarks NVR-1 Form

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the reports are correct and this Repair/Replacement (Mod) conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed Donald R. Smith Date 6/1/92 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 Lehigh Valley Mutual Ins. Co. of Horseshoe, Mass. have inspected the components described in this Owner's Report during the period March 13 to April 28, 1992 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.

GP Tuckley Commissions NB 8316, PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 3, 1992

FORM MVR-1 REPORT OF REPAIR  MODIFICATION  OR REPLACEMENT  OF NUCLEAR PRESSURE RELIEF DEVICE

- Dresser Industries, Inc., Dresser Valve & Controls Div., Industrial Valve North American Operations,
- work performed by Intersection Hwy. 167 & 3225 North, Alexandria, LA (Name of Repair Organization)
  - Order (Name) Duquesne Light Co.,  
(Address) P. O. Box 1920, Pittsburgh, PA 15230
  - Name, address and identification of nuclear power plant Duquesne Light Co., Edward Peace,  
Beaver Valley Power Sta., Shippingport, PA 15077
  - a. Identification of repaired pressure relief device: Safety Relief Valve  
b. Name of manufacturer: See Above  
c. Identifying nos. 3" 1912K-1-XLS-NC4011 TG-62061 N/A Water 3 1985  
(type) (mfr's. serial no.) (Nat'l Bd. no) (service) (size) (year built)
  - Applicable edition of ASME Code Section XI under which repairs, modifications or replacements were made: (edition) 1983  
(addenda) Summer 1983 (code case) N/A (edition) (addenda)  
(Code Case)
  - Applicable edition of ASME Code Section III to which repairs modifications or replacements were made: (edition) 1974  
(addenda) Summer 1974 (code case) N/A
  - Design responsibilities: See 1 Above
  - Opening pressure: 1450 PSIG Blowdown (if applicable): 190 PSIG Set pressure and blowdown adjustments made at  
(location) Dresser Industries, Alexandria, LA using (test media) Water
  - Description of work: (Include name and identifying no. of replacement parts)  
Disassembled, inspected, reworked, modified, cleaned, assembled and tested. Valve was  
refurbished and modified  
  
Parts replaced: (1) Guide P/N 4647902N, (1) Disc Holder P/N 4656703N, (1) Bonnet Nut P/N 2203305N, Heat No. SJ38  
(1) Retainer Ring P/N 4628601N, (4) Packing P/N 2162003N
  - Remarks:

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and the repair, modification or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in the publications NB-65 and NB-102, current editions.

Certificate of Authorization no. 124 to use the "VR" stamp expires 03/30 2 19 93  
Certificate of Authorization no. 45 to use the "NR" stamp expires 03 19 93

Date 4-27 1992 Signed Same as 1 above (repair organization) [Signature] (authorized representative) Principal [Signature] (ET/E)

## CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by the state or province of Virginia and employed by The Hartford State Boiler Inspection and Insurance Co. of Hartford, CT have inspected the repair, modification or replacement described in this report on 4-27 19 92 and state that to the best of my knowledge and belief, this repair, modification or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publications NB-65 and NB-102, current editions. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the inspector nor his employer will be 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 4-27 1992 [Signature] (Authorized Inspector) Commission LAC664 WC2605 (Nat'l Bd. No. (including endor's-ments) state or province & 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 6-9-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 008755  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No.                       
Shippingport, PA 15077 Expiration Date                       
Address

4. Identification of System Main Steam

5. (a) Applicable Construction Code Section III, 71 Edition, S'72 Addenda, 1672 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2MSS-352	Walworth Co.	D-66327	1824	3" Check 5350 SC	1973	Repaired	Yes
Disc	Crana-Aloyco	B0811	-	HT# 29441	-	Replacement	Yes
Plug	Energy Steel	-	-	HT# CP10	-	Replacement	No
Nuts	A & G Engineering	-	-	HT# X71102 Code KV	-	Replacement	No
Stud	A & G Engineering	-	-	HT# 70202 Code NAM	-	Replacement	No

7. Description of Work Replaced valves disc, hinge pin plug, 2-nuts and 1-stud.

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

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

FORM NIS-2 (Back)

9. Remarks NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date June 25 19 92  
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 this Owner's Report during the period March 163 to May 8, 1992, 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 Systems

[Signature] Commission No. NB-8316 PA 2278  
Inspector's Signature National Board, State, Province and Endorsements

Date July 8, 19 92

SERIAL NO: D-66327  
 MARK NO: 2MSS-352  
 TYPE: VCW060-A-2  
 COMMENTS:

2LV-073

FORM NPA-1 MANUFACTURER DATA REPORT FOR NUCLEAR PUMPS OR VALVES  
 (As Required by the Provisions of the ASME Code, Section II, Div. 1)

1. Manufacturer by Valvorth Company, Greensburg Plant, Greensburg, PA 15601  
 2. Manufacturer for Degussa Light Co., Ellipticalport, PA  
 3. Location of Manufacturer Eastern Valley Pump Station, Ellipticalport, PA.  
 4. Name of Valve Valve Pressure Class 150 Order Size 2"

ASME Mark No. Section No. or Type	ASME Manufacturer Serial No.	ASME Condition Registration No.	ASME Drawing No.	ASME Class No.	ASME Mark No.	ASME Year Built
DR	X130 BC	D-66327	N/A	SE-1954-90	150	1971
LD						
ED						
EE						
EF						
EG						
EH						
LI						
CM						

5. Oil/Steam/Water Greensburg, PA 15601  
 Enter description of service for which equipment was designed

6. Design Conditions 150 psi 150 or Valve Pressure Class 150 600 (1)  
 7. Code Working Pressure 150 psi at 100°F.  
 8. Pressure Rating Pressure

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>ASME Codebook</b>			
Body - 4640 F4	SA 216, WCB	Valve Castings	Seal Welded End
Cover - 8170 F4	SA 216, WCB	Valvorth Company	
Disc - 021 F4	SA 216, WCB	Valvorth Company	CoCrA Faced End
<b>ASME Package</b>			
		VALVE	
		D-66327	
		SERIAL NO.	

(1) For vertically oriented valves only.  
 \* Supplementary stresses in terms of loads, direction or arrangement flow for valves provided (1) shall be 8-10" x 11", (2) information in Section I, II and III are also used except as indicated on each stamp, and (3) each stamp is numbered and identifies the pressure in accordance with the code book.

005

Model No.	Machine Serial No.	Manufacturer	Accessories
Model No. <u>213874</u>	<u>SA 193, Gr. 27</u>	<u>E. E. C.</u>	
Code - <u>"C"</u>			
Model No. <u>213874</u>	<u>SA 194, Gr. 28</u>	<u>E. E. C.</u>	
Code - <u>"C"</u>			
Model No. <u>X1774</u>	<u>SA 194, Gr. 28</u>	<u>WILLIAM E. BERNETT</u>	
Code - <u>"A"</u>			
Model No. <u>21744</u>	<u>SA 195, Gr. 28</u>	<u>E. E. C.</u>	
Code - <u>"C"</u>			
Other Parts			
File - <u>2131</u>	<u>SA-103</u>	<u>KOREAN TOPEX</u>	
	<u>VALVE</u>	<u>Company</u>	
	<u>664897</u>	<u>P. O. Box 773, J. D. Ho-</u>	<u>98041</u>
		<u>Carson Blvd. VALVE - 275 St. 20th</u>	<u>La-por</u>

8. By-Accessory cost 2175 per.

SERIAL NO. W. worth Company

**CERTIFICATE OF COMPLIANCE**  
Greensburg, PA 15601

We certify that the construction shown in this report and shown and that the details of work submitted to the rules of  
Manufacturers of the ADEE Code for Pressure Relief Valve Components, Section II, Div. 1, Edition 1971  
Adopted 1-10-70, 1972 Code Book No. 1872 Date 11-14-78  
Signed W. worth Company by [Signature]  
Our ADEE Certificate of Authorization No. 1951 is valid to 12/9/80  
at Greensburg, PA

**CERTIFICATION OF DESIGN**

Design information on file at W. worth Company, Greensburg, PA 15601  
Drawings include report (Class 1) done on file at W/A  
Design specification certified to (1) C. O. Richardson, Jr.  
PE Stamp PJL Reg. No. 0181978  
Drawings include certified by (1) W/A  
PE Stamp \_\_\_\_\_ Reg. No. \_\_\_\_\_  
(1) Signatures and retained. List name, title.

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, making a shop inspection issued by the National Board of Boiler and Pressure Vessel Inspectors  
and the State of Pennsylvania of W. worth Company and approved by The Hartford Steam Boiler L&I Co.  
of Greensburg, Pa. 06107 Date inspection the details of work, described in this Class Report of  
11-14 '78, and also that to the best of my knowledge and belief, the manufacturer has con-  
structed the details of work, in accordance with the ADEE Code, Section II.  
By signing this certificate, making the statement that the manufacturer has not furnished, expressed or implied, manufacturing  
the manufacturer's name in this Class Report, Participants, hereby the manufacturer that the undersigned shall be liable in any  
matter of any damages caused by specialty coverage of a loss of any kind arising from or resulting from the manufacturer.  
Date 11-14 '78  
[Signature] Certificate No. 7912-N  
Part 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 6-9-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 Sheet 1 of 1

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
MWR# 004182  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address  
 Authorization No. "  
 Expiration Date "

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 19 71 Edition, 5'72 Addenda, 1672, 1567 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-5'83A

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)
2SWS-78	Walworth Co.	-	-	3" 5202 WE	-	Repaired	Yes

7. Description of Work Replaced valves body / bonnet bolting.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ cal Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9 Remarks \_\_\_\_\_

Applicable Manufacturer's OI's Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date June 25, 19 92  
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 this Owner's Report during the period March 13 to April 23, 92 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB-8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 7, 1992



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 6-9-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit NO. 2  
Name  
Shippingport, PA 15077 MWR# 906722  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code Section III 1977 Edition S'79 Addenda - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2RCS-PCV456	Garrett Pneumatic	P-119	-	PORV	1983	Repaired	Yes

7. Description of Work .009" was machined off of valve plug.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 OST 2.6.8

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 NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date Jan 25 19 93  
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 this Owner's Report during the period March 13 to May 8, 1992 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 8316 PA 2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 7, 1992

1. Manufactured by Garrett Pneumatic Systems Division, P. O. Box 5217, Phoenix, AZ 85010  
(Name and Address of Certificate Holder)  
 2. Manufactured for Westinghouse Electric Corp. RES, P. O. Box 355, Pittsburgh, PA 15230  
(Name and Address of Purchaser or Owner)  
 3. Location of Installation Beaver Valley #2, Duquesne Light Co., Beaver County, PA  
(Name and Address)  
 4. Pump or Valve 3750014 Nominal Inlet Size 3.0 Outlet Size 6.0  
(inch) (inch)

	(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l Bd No.	(g) Year REEY Modified
(1)	3750014	P-119		3750014 Rev J	1		1983
(2)	3750014	P-121		3750014 Rev J	1		1983
(3)	3750014	P-122		3750014 Rev J	1		1983
(4)							
(5)							
(6)	3750021-2	P-106		3750021 Rev J	1		1983
(7)	3750021-2	P-126		3750021 Rev J	1		1983
(8)	3750021-2	P-124		3750021 Rev J	1		1983
(9)	*NOTE: THIS AMENDED DATA REPORT SUPERSEDES DATA REPORT DATED 10-25-83						
(10)	DUE TO THE UPGRADE OF SOLENOIDS.						

5. Power Operated Steam and Water Relief Valve  
(Brief description of service for which equipment was designed)

6. Design Conditions 2500 psi 650 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)  
 7. Cold Working Pressure 4070 psi at 100°F.  
 8. Pressure Retaining Pieces ...

Mat'l No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	None		
(b) Forgings			
3751032-1 Bonnet	SA182 Grade F316	Coulter Steel & Forge	RR #623264
Made from		1494 67th St.	HT #15772
3751030-1		Emeryville, CA 94662	RR #603484
Bonnet Forging		N-1189	HT #15771
3751042-1 Plug	SA479 Grade F316	Coulter Steel & Forge	RR #656907
Made from steel		Same as above	HT #616448
bar material		QSC-266	
#9-9939			

(1) For manually operated valves only.  
 SERIAL NUMBERS P-119, P-121 and P-122  
 PURCHASE ORDER 546CCW454805 BN  
 \* 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 3751036-1 Nut	SA194 Grade 6	Lonestar Screw Co P.O. Box 15211, 5826 Houston, TX QSC-389	RR #758095 RR #632574 RR #632576 HT #27765
3751036-3 Nut	SA194 Grade 6	Lonestar Screw Co Same as above QSC-389	RR #758093 RR #632575 HT #23751
3751046-2 Stud	SA453, Grade 660 Class A, Type 2	Lonestar Screw Co Same as above QSC-388	RR #758737/758091 HT #C10926-4/HT#C109
(d) Other Parts Welding Rod Material #9-9937 (used on 3751042-1 Plug)	SFA 5.13 C1 Class RCOCR-A	Johnston Stainless Welding Rods 10140 Romandel Ave. Santa Fe Springs, CA 90670 QSC-285	RR #611945 HT #5027-10 RR #749649 HT #3E15-2

8. Hydraulic test 6100 psi. Disk Differential test pressure 4475 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 1977  
 Addenda Summer, 1979, Code Case No. N/A Date Dec. 9, 1983  
 Signed Garrett Pneumatic Systems Division by [Signature]  
(In Certificate Holder)  
 Our ASME Certificate of Authorization No. N-2516 to use the N symbol expires 11-12-84  
(1) Date

**CERTIFICATION OF DESIGN**

Design information on file at Garrett Pneumatic Systems Division  
 Stress analysis report (Class 1 only) on file at Garrett Pneumatic Systems Division  
 Design specifications certified by (1) Thomas E. Grubb  
 PE State Arizona Reg. No. 11734  
 Stress analysis certified by (1) Thomas E. Grubb  
 PE State Arizona Reg. No. 11734  
 Part Number 3750014 Rev J  
 Serial Numbers P-119, P-121 and P-122  
 Purchase Order 546CCW454805 BM  
 (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 Arizona and employed by H.S.B.I. & I. CO.  
 of Hartford, CT have inspected the pump, or valve, described in this Data Report on December 9, 1983 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

**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 6-9-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 906966  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code Section III 1977 Edition S'79 Addenda - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-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 Mod.	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2RCS-PCV455C	Garrett Pneumatic	P-121	-	PCR"	1983	Repaired	Yes

7. Description of Work Machined .009" from plug.

8. Tests Conducted: Hydraulic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 UST 2.6.8

NOTE: Supply manual 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 NPV-1 form attached  
Applicable Manufacturer's Data Figures to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date June 25 19 92  
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

[Signature] have inspected the components described in this Owner's Report during the period March 13 to May 8 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] [Signature]  
Inspector's Signature Commissions NB-86-8316 PA 2248  
National Board, State, Province and Endorsements

Date July 8 19 92

1. Manufactured by Garrett Pneumatic Systems Division, P. O. Box 5217, Phoenix, AZ 85010  
(Name and Address of Certificate Holder)  
 2. Manufactured for Westinghouse Electric Corp. NES, P. O. Box 355, Pittsburgh, PA 15230  
(Name and Address of Purchaser or Owner)  
 3. Location of Installation D-1 Beaver Valley #2, Duquesne Light Co., Beaver County, PA  
(Name and Address)  
 4. Pump or Valve 3750014 Nominal Inlet Size 3.0 Outlet Size 6.0  
(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 <del>1983</del> Modified
(1) 3750014	P-119		3750014 Rev J	1		1983
(2) 3750014	P-121		3750014 Rev J	1		1983
(3) 3750014	P-122		3750014 Rev J	1		1983
(4)						
(5)						
(6) 3750021-2	P-106		3750021 Rev J	1		1983
(7) 3750021-2	P-126		3750021 Rev J	1		1983
(8) 3750021-2	P-124		3750021 Rev J	1		1983
(9)	*NOTE: THIS AMENDED DATA REPORT SUPERSEDES DATA REPORT DATED 10-25-83					
(10)	DUE TO THE UPGRADE OF SOLENOIDS.					

5. Power Operated Steam and Water Relief Valve  
(Brief description of service for which equipment was designed)

6. Design Conditions: 2500 psi 650 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)  
 7. Cold Working Pressure 4070 psi at 100°F.  
 8. Pressure Retaining Pieces ..

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings None			
(b) Forgings			
3751032-1 Bonnet	SA182 Grade F316	Coulter Steel & Forge	RR #623264
Made from		1494 67th St.	HT #15772
3751030-1		Emeryville, CA 94662	RR #603484
Bonnet Forging		N-1189	HT #15771
3751042-1 Plug	SA479 Grade F316	Coulter Steel & Forge	RR #656907
Made from steel		Same as above	HT #616448
bar material		QSC-266	
#9-9939			

(1) For manually operated valves only.  
 SERIAL NUMBERS P-119, P-121 and P-122  
 PURCHASE ORDER 546CCW454805 BN  
 \* 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.

Part No	Material Spec No	Manufacturer	Remarks
(c) Bolting 3751036-1 Nut	SA194 Grade C	Lonestar Screw Co P.O. Box 15211, 5826 Houston, TX QSC-389	RR #758095 RR #632574 RR #632576 HT #27765
3751036-3 Nut	SA194 Grade 6	Lonestar Screw Co Same as above QSC-389	RR #758093 RR #632575 HT #23751
3751046-2 Stud	SA453, Grade 660 Class A, Type 2	Lonestar Screw Co Same as above QSC-388	RR #758737/758091 HT #C10926-4/HT#C
(d) Other Parts			
Welding Rod	SFA 5.13 C1	Johnston Stainless	RR #611945
Material #9-9937 (used on 3751042-1 Plug)	Class RCOCR-A	Welding Rods 10140 Romandel Ave. Santa Fe Springs, CA 90670 QSC-285	HT #5027-10 RR #749649 HT #3E15-2

B. Hydrostatic test 6100 psi. Disk Differential test pressure 4475 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 1977  
 Addenda Summer, 1979 Code Case No. N/A Date Dec 9, 1983  
 Signed Garrett Pneumatic Systems Division by [Signature]  
(N Certificate Holder)  
 Our ASME Certificate of Authorization No. N-2516 to use the N symbol expires 11-12-84  
(N) (Date)

**CERTIFICATION OF DESIGN**

Design information on file at Garrett Pneumatic Systems Division  
 Stress analysis report (Class 1 only) on file at Garrett Pneumatic Systems Division  
 Design specifications certified by (1) Thomas E. Grubb  
 PE State ARIZONA Reg. No. 11734  
 Stress analysis certified by (1) Thomas E. Grubb  
 PE State ARIZONA Reg. No. 11734  
 Part Number 3750014 Rev J  
 Serial Numbers P-119, P-121 and P-122  
 Purchase Order 546CCW454805 BN  
 (1) Signature not required. Use 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 Arizona and employed by H.S.B.I. & I. CO.  
 of Hartford, CT have inspected the pump, or valve, described in this Data Report on December 9, 1983 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

at Hartford, CT on December 9, 1983



**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 6-10-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 Sheet 1 of 2

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR# 906967  
Repair Organization P.O. No., JCB No., etc.

3. Work Performed by DLCO - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. "  
 Expiration Date "

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code Section I 19 77 Edition S'79 Addenda - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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 Mod.	Repaired, Replaced, or Replacement	ASME Code Stamp (Yes or No)
2RCS-PCV455D	Garrett Pneumatic	P-122	-	PORV	1993	Repaired	Yes

7. Description of Work Machined .007" from valve plug

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 OST 2.6.8

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 NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date June 25 19 92  
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 this Owner's Report during the period March 19 to May 8, 1992 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

\*Factory Mutual System

[Signature] Commissioner NOB316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 8, 19 92

**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 6-10-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 000922  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No.                       
Shippingport, PA 15077 Expiration Date                       
Address

4. Identification of System Steam Vent

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda                      Code Case                       
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2SVS-80	Atwood-Morrill	3-13540-28	-	6" Check Valve	1983	Repaired	Yes
Nuts	Nova Machine	-	-	HT# 8079196	-	Replacement	Yes

7. Description of Work Replaced twelve cover nuts.

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

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

FORM NIS-2 (Back)

9 Remarks NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date June 25 19 92  
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 this Owner's Report during the period March 13 to May 15, 1992 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 make any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 Systems

[Signature] Commission NB-8316 PA2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 7 19 92

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

As Required by the Provisions of the ASME Code, Sec. II, Div. 1 \* REVISION COPY

1. Manufactured by Atwood & Morrill Co., Inc. Salem, Mass. 01970  
(Name and Address of N Certificate Holder)
2. Manufactured for Stone & Webster Engineering Corp., Boston, Mass. (For Duquesne Light Co.)  
(Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Shippingport, PA.  
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 6 (inch) Outlet Size 6 (inch)

	(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Next Ed. No.	(g) Year Made
	(1)	6" Check Valve	3-13540-28	N/A	13540-28	2	N/A
(2)				Rev. 1			
(3)							
(4)							
(5)							
(6)							
(7)	* Revised to update drawing rev. level						
(8)							
(9)							
(10)							

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

6. Design Conditions 1100 psi 560 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)
7. Cold Working Pressure 1440 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
Body RT # Y161	SA 216 Gr. WCB	Quaker Alloy	Ht. # F5225
Disc RT # XR2098	SA 351 Gr. CF8M	Quaker Alloy	Ht. # X5705
<b>(b) Forgings</b>			
N/A		Duquesne Light Co. Beaver Valley Unit 2 P.O. No. 28V-20 Misc. Check Valves 2 1/2" and Larger Manufactured By Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970	

(1) For manually operated valves only.

FORM NPV-1 (Back)

Mark No	Material Spec. No	Manufact	Remarks
(c) Billings			
Cover Studs	SA-193 Gr. B7	Ranson Mfg. Inc.	Trace # 04
Cover Nuts	SA-194 Gr. 2H	Ranson Mfg. Inc.	Trace # N46
(d) Other Parts			
Cover <sup>s</sup>	SA 515 Gr 70	Mills Alloy Steel	Ht. #22900-330

9. Hydrostatic test 2200 psi. Die Differential test pressure 1500 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974.  
 Addenda Summer 1974 (Date), Code Case No. N/A, Date N/A.  
 Signed Atwood & Morrill Co., Inc. by John M. Conroy QA MGR 1/11/84  
(IN Certificate Holder)  
 Our ASME Certificate of Authorization No. N-2606 to use the N symbol expires 6/13/86  
(Date)

CERTIFICATION OF DESIGN.

Design information on file at Stone & Webster  
 Stress analysis report (Class 1 only) on file at N/A Duquesne Light Co  
Beaver Valley Unit 2  
P.O. No. 2BV-20  
 Design specifications certified by (1) Walter J. Parker, Jr Misc. Check Valves  
PA Reg. No. 29003-F 24" and Larger  
 Stress analysis certified by (1) N/A  
PE Sign N/A Reg. No. N/A Manufactured By  
Atwood & Morrill Co., Inc.  
285 Canal Street  
Salem, MA 01970  
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by H.S.B.I. & I, Co.  
 at Hartford, CT. have inspected the pump, or valve, described in this Data Report on Aug 30 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.

**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 6-10-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR # 000923  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No.                       
Shippingport, PA 15077 Expiration Date                       
Address

4. Identification of System Steam Vent

5. (a) Applicable Construction Code Section III, 74 Edition S'74 Addenda - Code Case                       
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-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)
2SVS-81	Atwood-Morrill	1-13540-28	-	6" Check Valve	1984	Repaired	Yes

7. Description of Work Replaced valves disc.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure                      psi Test Temp.                      °F  
2BVT 1.60.6

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 NPV-i form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM 0.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date June 25 19 92  
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, Ma. chusetts have inspected the components described in this Owner's Report during the period March 13 to May 13, 1992 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 make any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 8, 1992



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 Atwood & Morrill Co., Inc. Salem, MA. 01970  
(Name and Address of N Certificate Holder)  
2. Manufactured for Stone & Webster Engineering Corp. Boston, MA. (For Duxbury Light)  
(Name and Address of Purchaser or Owner)  
3. Location of Installation Brewer Valley Power Station Shippingport, PA.  
(Name and Address)  
4. Pump or Valve Valve Nominal Inlet Size 6 (Inch) Outlet Size 6 (Inch)

	(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) N.P.L. Bd. No.	(g) Year Built
(1)	6" Check Valve	1-13540-2B	N/A	13540-2B Rev. 1	2	N/A	1984
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Main Steam  
(Site/ description of service for which equipment was designed)

6. Design Conditions 1100 psi 560 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)  
7. Cold Working Pressure 1440 psi at 100°F.  
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
Body	SA 216 Gr. WCB	Quaker Alloy	HC. / FS225-15
Disc	SA 351 Gr. CF8M	Quaker Alloy	HC. / X5814-1
<b>(b) Forgings</b>			
N/A			

**RECEIVED**  
FEB 10 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 6 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of first form.

PCRB MPV-1 (Rev. 1)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
COVER Studs	SA 193 Gr. B7	Ronson Mfg. Inc.	Trace No. 08
COVER Nuts	SA 194 Gr. 2H	Ronson Mfg. Inc.	Trace No. 146
(d) Other Parts			
COVER	SA 515 Gr. 70	Mills Alloy Steel	Ms. # 02900-780

2. Hydrostatic test 2200 psi. Disk Differential test pressure 1500 psi.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974.  
 Addenda Summer 1974, Code Case No. N/A, Date N/A.  
 Signed Atwood & Morrill Co., Inc. by M. Conway QA MGR 1/30/84  
in Care of Manufacturer  
 Our ASME Certificate of Authorization No. N-2606 to use the M symbol expires 6/13/86.

**CERTIFICATION OF DESIGN**

Design information on file at Stone & Webster  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) Walter J. Parker, Jr.  
 PE State PA, Reg. No. 29001-F  
 Stress analysis certified by (1) N/A  
 PE State N/A, Reg. No. N/A  
 (1) Signature not required. List name only.

**RECEIVED**  
**FEB 10 1984**  
 Stone & 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 Massachusetts and employed by M.S.B.I. & I. Co.  
 of Hartford, CT. have inspected the pump, or valve, described in this Data Report on  
1-30 19 84 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 1-30 1984  
Richard D. Sullivan Commissioner MA1318 WC2964  
(Inspector) (Not to be used until 1984)

**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 6-10-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR# 000924  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. "  
 Expiration Date "

4. Identification of System Steam Vent

5. (a) Applicable Construction Code Section III 74 Edition, S'74 Addenda " Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is B3E-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)
2SVS-82	Atwood-Morrill	2-13540-28	-	6" Check Valve	1983	Repaired	Yes

7. Description of Work Replaced valves disc.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
2BVT 1.60.6

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 NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date June 25 19 92  
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 this Owner's Report during the period March 13 to May 15, 1992 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 Systems

[Signature] Commission NB-8316-PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 7 19 92

**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 6-15-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 000842  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLC - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Main Steam

5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda, 1672 1567 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2MSS-18	Walworth	-	-	-	-	Repaired	Yes
Plug	Crane-Aloyco	B0863	-	HT# X6959	-	Replacement	No

7. Description of Work Replaced one hinge pin plug.

8. Tests Conducted: Hydraulic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_, psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

Remarks N/A  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date July 14 19 92  
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 this Owner's Report during the period March 13 to May 1, 1992 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 make any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Systems

[Signature] Commissions NB 8316 PA 2218  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 17, 1992

**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 6-15-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
 3. Work Performed by DLCO - Maintenance Dept. MWR# 000843, 001526  
Name Repair Organization P.O. No., Job No., etc.  
Shippingport, PA 15077 Type Code Symbol Stamp Not Applicable  
Address Authorization No. \*  
 4. Identification of System Main Steam Expiration Date \*

5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda 1672 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E-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)
2MSS-19	Walworth Co.	D68241	1903	3" 5350 WE	1973	Repaired	Yes
Plug	Crane-loyco	B0867	-	HT# X6937	-	Replacement	No

7. Description of Work Replaced one hinge pin plug.

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

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

FORM NIS-2 (Back)

9. Remarks NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

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

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

Signed Thomas A. Uitto Engineer Date June 25 19 92  
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 this Owner's Report during the period March 13 to May 8, 1992 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 Systems

Tom Muckel Commission NB-8316-PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 8 19 92



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 Walworth Company, Greensburg Plant, Greensburg, Pa. 15601  
(Name and Address of N Certificate Holder)

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

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

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

(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Year Bld.	(g) Year Built
(1) 5350 WE	D-68241	N/A	SK-1954-9G	2	1903	1979
(2) _____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____

5. OIL/Steam/Water  
(Brief description of service for which equipment was designed)

6. Design Conditions \_\_\_\_\_ psi \_\_\_\_\_ °F or Valve Pressure Class ANSI 600 VALVE

7. Cold Working Pressure 1440 psi at 100°F.

8. Pressure Retaining Pieces D68241

Part No.	Material Spec. No.	Manufacturer	Remarks SERIAL NO.
<b>(a) Castings</b>			
Body - 617L, P6	SA 216, WCB	Walworth Company	Seal Welded Seat
Cover - 359J, P2	A 216, WCB	Walworth Company	
Disc - 561I, P3	SA 216, WCB	Walworth Company	CoCrA Faced Seat
<b>(b) Forgings</b>			
		Duquesne Light Company	
		Beaver Valley Unit No. 2	
		P. O. No. 28V-73, I. O. No. 12261	
		Carbon Steel Valves - 2 1/2 in. and Larger	Category I
		Walworth Company	
		Greensburg, PA 15601	

(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 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.

Part No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Stud - 242874 (XH)	SA 193, B7	R. E. C. Corp.	
Stud - 65746 (AS)	SA 193, B7	R. E. C. Corp.	
Nut - 527090 (OY)	SA 194, 2H	R. E. C. Corp.	
(d) Other Parts			
Plug - BM31	A105	Bonney Forge	
			VALVE
			008241
			SERIAL NO.

Hydrostatic test 2175 psi. Dist. Differential test pressure 1500 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 1971.  
 Addenda June 30, 1972 Code Case No. 1672 Date 11-16-79  
 Signed Walworth Company by H. Kriopi  
 (N Certificate Member)  
 Our ASME Certificate of Authorization No. 1951 to use the N symbol expires 12/9/80  
(Date)

CERTIFICATION OF DESIGN

Design information on file at Walworth Company, Greensburg, Pa. 15601  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) C. O. Richardson, Jr. Ducosine Light Company  
 PE State Pa. Reg. No. 016297E 33000 Valley Unit No. 2  
 Stress analysis certified by (1) N/A P. O. No. 23V-73, J. O. No. 12241  
 PE State N/A Reg. No. N/A Carbon Steel Valves - 2 1/2" and larger  
Category 1  
 (1) Signature not required. List name only.  
Walworth Company  
Greensburg, PA 15601

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&I Co. of Hartford, Conn. 06102 have inspected the pump, or valve, described in this Data Report on 11-16 19 79 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 11-16-79 19 79  
 (Inspector) [Signature] Commissions AICE375(N) PA2261  
(Reg. 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 6-15-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2
2. Plant Beaver alley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR# 000844  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCO - Maintenance Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. \_\_\_\_\_  
 Expiration Date \_\_\_\_\_
4. Identification of System Main Steam
5. (a) Applicable Construction Code Section III 1971 Edition, S'72 Addenda, 1672 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-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)
2MSS-20	Walworth Co.	D68242	1904	3" 5350WE	1979	Repaired	Yes
Plug	Crane-Aloyco	B0869	-	HT# X6957	-	Replacement	No

7. Description of Work Replaced one hinge pin plug.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 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 NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] ENGINEER Date June 25 19 92  
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 this Owner's Report during the period March 13 to May 8, 1992, 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 Systems

[Signature] Commissions NB 8316 PA 2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 8, 19 92

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 Walworth Company, Greensburg Plant, Greensburg, Pa. 15601  
(Name and Address of N Certificate Holder)

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

3. Location of Installation Beaver Valley Power Station, Shippingport, Pa.  
(Name and Address)

4. Pump or Valve Valve Nominal Size 2" Outer Size 2"  
(INCH) (INCH)

(1)	Model No.	DIN Certificate Holders		(d) Drawing No.	(e) Code	(f) Year	(g) Year Built
	Series No. or Type	Serial No.	Reg. No.				
(1)	S350 WF	D-68242	N/A	SK-1954-9G	2	1904	1979
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

VALVE

D68242

SERIAL NO

5. Oil/Steam/Water  
(Fluid description of service for which equipment was designed)

6. Design Conditions ANSI 600 (1)  
(Pressure) (Temperature) (Valve Pressure Class)

7. Cold Working Pressure 1440 (psi at 100°F)

8. Pressure Retaining Parts

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body - 377H, P2	SA 216, WCB	Walworth Company	Seal Welded Seat
CoCrA - 359I, P3	SA 216, WCB	Walworth Company	
Disc - 561J, P2	SA 216, WCB	Walworth Company	CoCrA Faced Seat

Duquesne Light Company  
Shippingport, Pa. Unit No. 2  
P.O. No. 28173 I.O. No. 17241  
Carbon Steel Valves - 2 1/2 in. and Large Category  
Walworth Company  
Greensburg, PA 15601

\* 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 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.

Part No.	Material Spec. No.	Manufacturer	Remarks
<b>(c) Bolting</b>			
Stud - 243874 (NY)	SA 193, B7	R. E. C. Corp.	
Nut - 527090 (QY)	SA 194, 2H	R. E. C. Corp.	
<b>(d) Other Parts</b>			
Plug - 8M31	A105	Bonney Forge	
<b>VALVE</b>			
068242			
SERIAL NO.			

8. Hydrostatic test 2175 psi. Class Differential test pressure 1500 psi.

**CERTIFICATE OF COMPLIANCE**

We certify that the specifications made in this report are correct and that the pump, or valve, conforms to the requirements of the ASME Code for Nuclear Power Plant Components, Section II, Div. 1, Edition 1971.  
 Addressed June 30, 1972 Code Case No. 1672 Date 11-16-72  
 Signed Walworth Company by R. Knopf  
 (In Care of Division)  
 Our ASME Certificate of Authorization No. 1951 is used for N valves stamped 12/9/80  
 Date

**CERTIFICATION OF DESIGN**

Design information on file at Walworth Company, Greensburg, Pa. 15601  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) C. O. Richardson, Jr. Division Light Company  
 PE State Pa. Reg. No. 016297X Beaver Valley Unit No. 2  
 Stress analysis certified by (1) N/A P. O. Box 2177, J. C. No. 1  
 PE State N/A Reg. No. N/A Carbon Steel Valves - 2 1/2 in. &  
 (1) Signature not required. List name only.

**CERTIFICATE OF SHOP INSPECTION**

The undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by The Hartford Steam Boiler of Hartford, Conn. 06102 have inspected the pump, or valve, described in this Data Report: 11-16 '72 and state that to the best of my knowledge and belief, the N Certificate number has no reference to this pump, or valve, in accordance with the ASME Code, Section II.  
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, on 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 11-16 '72  
 Inspector A. Hill Commission NAE375(N)PA 2261  
 Next to Sign Here 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 6-15-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 003306  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCO - Maintenance Dept. Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code Section III 19 71 Edition S'74 Addenda 1672 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-S'B3A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2MSS-199	Walworth Co.	D66250	1603	3" 5350 Webb	1977	Repaired	Yes
Plug	Crane-Aloyco	B0862	-	HT# X6957	-	Replacement	No

7. Description of Work Replaced one hinge pin plug.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

N. G. 7/8/92

FORM NIS-2 (Back)

9 Remarks MPV-1 form attached

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date June 25 19 92  
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. \* Norwood, Massachusetts have inspected the components described in this Owner's Report during the period March 13, to May 8, 1992 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 Systems

[Signature] Commissions NB-8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 8, 19 92



SERIAL NO: D66250  
 MARK NO: 2MSS-199  
 TYPE: VCW060-A-3  
 COMMENTS:

2BV-073

PN31299-ATT

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 User

3. Location of installation Beaver Valley Power Station, Shippingport, Beaver County, Pa.  
Name and Address

4. Pump or Valve Valve Nominal Inlet Size 3" Outlet Size 3"  
Unit

(a) Model No. or Type	(b) Manufacturer's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Part No.	(g) Year Built
(1) 5350 WE BB	D66250	N/A	SK-1954-10E	3	1603	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 ANSI 607 (1)  
Pressure psi / Temperature °F or Valve Pressure Class

7. Cold Working Pressure 1440 psi at 100°F.

8. Pressure Retaining Piece

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body 14 C PI	SA-216, WCB	Valve Castings	Seal Welded Seat
Cover A984 F3	SA-216, WCB	Walworth Co.	CoCrA Backer at
Disc FR29 P3	SA-216, WCB	Walworth Co.	CoCrA Faces

(b) Forgings

WA 1/2  
 D 66250

Duquesne Light Company  
 P. O. No. 2BV-73, L.C. No. 12241  
 Carbon Steel Valve - 2 1/2 in. and 1 1/2 per  
 Walworth Company  
 Greensburg, PA. 15601  
 Category I

(1) For manually operated valves only.  
 \* Supplemental sheets in form of test matches 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.  
 \* The form (800027) may be obtained from the Order Dept., ASME, 345 E. 67 St., New York, N.Y. 10017

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting Stud J15-97194 Code 37	SA-193, B7	Janis Bolt Co.	
Nut C2814 Code XC	SA-194, 2H	R. E. C. Corp.	
(d) Other Parts Plug BM31 Code	SA-105	Bonney Forge Div.	

D 66250

3. Hydrostatic test 2175 psi.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971.

Addenda June 30, 1972 Code Case No. 1672 Date 11/30/77

Signed Walworth Co. by J. M. Hill  
(Manufacturer)

Our ASME Certificate of Authorization No. 950 to use the N symbol expires 1/6/78  
(No NPV)

**CERTIFICATION OF DESIGN**

Design information on file at Walworth Co., Greensburg, Pa. 15601

Stress analysis report Class I only on file at N/A

Design specifications certified by (1) C. O. Richardson, Jr.  
PE State PA Reg. No. 016297E Ducosma Light Company  
Stress analysis certified by (1) N/A Boyer Valley Unit No. 7  
PE State \_\_\_\_\_ Reg. No. \_\_\_\_\_ P. O. No. 23V-73, J. O. No. 1224  
Carbon Steel Valves - 2 1/2 in. and Larger  
Category 8

(1) Signature not required, if 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 & I C of Hartford, Conn. 06102 have inspected the pump, or valve, described in this Data Report on 11-30 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 11-30 19 77 Commissions MS 9153 PA 2227  
Arthur J. ...  
(Inspector)

**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 6-15-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 001147  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Dept. Type Code Symbol Size Not Applicable  
Name Authorization No. \_\_\_\_\_  
Shippingport, PA 15077 Expiration Date \_\_\_\_\_  
Address

4. Identification of System Quench Spray

5. (a) Applicable Construction Code Section III 19 71 Edition S'72 Addenda 1672 Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is B3E-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)
2QSS-205	Veian	607-4	-	2" Gate Valve	1976	Repaired	Yes

7. Description of Work Replaced valves wedge.

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

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

FORM NIS-2 (Back)

9 Remarks N/A  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date July 14 19 92  
 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 this Owner's Report during the period \_\_\_\_\_ to \_\_\_\_\_, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer make any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Systems

Inspector's Signature \_\_\_\_\_ Commission \_\_\_\_\_ National Board, State, Province, and Endorsements \_\_\_\_\_

Date \_\_\_\_\_ 19 \_\_\_\_\_

SERIAL NO: 607-4

MARK NO:

TYPE: VGS015-A-2

COMMENTS: -----

2BV-075

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

76687

- Manufactured by VELBY ENGINEERING LTD, 7175 WARDEN AV, SCARBOROUGH, ONT.  
(Name and Address of Manufacturer)
- Manufactured for DUNLOP ENGINE CO, 435 LYNDEN RD, PA 18219  
(Name and Address of Purchaser or Owner)
- Location of Installation REVER VALLEY POWER STATION, SCARBOROUGH, ONT.  
(Name and Address)
- Pump or Valve VALVE Nominal Inlet Size 2 Outlet Size 2  
(Size)

(1) Model No. or Series No. or Type	(2) Manufacturer's Serial No.	(3) Canadian Registration No.	(4) ASME Drawing No.	(5) ASME Code	(6) Mfg. Date	(7) Mfg. Year
(11) <u>WATER VALVE</u>	<u>WATER VALVE</u>	<u>N/A</u>	<u>ASME DRAWING NO. N2</u>	<u>N2</u>	<u>N/A</u>	<u>1976</u>
(12)			<u>DUNLOP ENGINE CO</u>			
(13)			<u>STONE &amp; WEBSTER ENG.</u>			
(14)			<u>REVER VALLEY UNIT 3</u>			
(15)						
(16)			<u>10 1274</u>	<u>P.O. NO. 28075</u>		
(17)						
(18)			<u>MARK M</u>	<u>WATER VALVE</u>		
(19)						
(110)			<u>VENTOR 1000</u>	<u>VELBY ENGINEERING</u>		

- N/A  
(Brief description of service for which equipment was developed)
- Design Conditions 150 psi or Valve Pressure Class 150 (1)  
(Pressure) (Temperature)
- Cold Working Pressure 150 psi at 100°F.
- Pressure Retaining Photos See Markings

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>WATER VALVE</u>	<u>CASTALITE #6</u>	<u>WESTMILL</u>	<u>N. CODE: W. 006</u>
(b) Forgings			
<u>BODY</u>	<u>SA 192 F34</u>	<u>FORTER</u>	<u>N. CODE: FY</u>
<u>BODY</u>	<u>SA 192 F34</u>	<u>FORTER</u>	<u>N. CODE: FK</u>
<u>BONNET</u>	<u>SA 192 F34</u>	<u>FORTER</u>	<u>N. CODE: FB</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 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.  
 (3/77) This form (B00037) may be obtained from the Quality Dept., ASME, 240 E. 47 St., New York, N.Y. 10017

2099

760607

Part No.	Material Spec. No.	Manufacturer	Remarks
11. Bolting			
STUDS	SA-193 GR. B8	ALLIANT	
NUTS	SA-193 GR. B8	ALLIANT	
12. Other Parts			
SPRINGS	SA-516 GR. 60	CARBIDE	Material: C-101
WELDING ELECTRODES	E6010 GR. 2.5	ELECTRODE	Material: E6010

8. Hydrostatic test 425 psi.

O  
-  
C

**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.

Accession SA-193 Code Case No. 1672

By VELAN ENGINEERING LTD. on May 25-1977

ASME Certificate of Authorization No. 1738 to use the N symbol expires May 25-1980

**CERTIFICATION OF DESIGN**

Design information on file at VELAN ENGINEERING LTD.

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

Design specifications certified by (1) CAROL OTTO R. KAMBELOW

PE State PRAMI Reg. No. 16392-E

Stress analysis certified by (1) N/A

(2) 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 North Carolina and employed by VELAN

at May 25 19 77 have inspected the pump, or valve, described in the Data Report on 760607 and state that to the best of my knowledge and belief, the Manufacturer has constructed the pump, or valve, in accordance with the ASME Code, Section III.

I, signing this certificate for 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 way for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

By Carol Otto R. KambeLOW 19 77 Commission NC-2415 (7947)

Part 36, Subpart 1, and No. 1

Revised January 7, 1974.  
 United Address of Owners. Dated Corrected and  
 11/1/77

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 6-16-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address  
 2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 008942  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DLCO - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Auxiliary Feedwater  
 5. (a) Applicable Construction Code Section III, 1971 Edition, S'72 Addenda, 1672 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-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 Stamp (Yes or No)
2FWE-101	Walworth Co.	D71002	2097	2-FWE-128 -F01-R1	1980	Repaired	Yes

7. Description of Work Removed transverse linear indication(s) and weld repaired.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 \* RT, MT

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 6 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 NPV-1 form attached. Code case N-416 was invoked for this repair.  
Applicable Manufacturer's Data Reports to be attached  
Linear indication(s) ran from valve body end prep down into weld 2-FWE-128-F01-R1  
on line no. 2FWE-004-128-2.

**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 NGAM 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] ENGINEER Date July 1 19 92  
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 this Owner's Report during the period March 13 to May 5, 1992 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 Systems

[Signature] NB-8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 1 19 92



SERIAL NO: D71002

MARK NO:

TYPE:

COMMENTS:

2BV-073

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

As Required by the Division of the U.S. Atomic Energy Commission

1. Manufactured by \_\_\_\_\_  
 2. Manufactured for \_\_\_\_\_  
 3. Location of Installation \_\_\_\_\_  
 4. Pump or Valve Valve Nominal Inlet Size 6 Outlet Size 6

	(a) Model No. (BIN Certificate Holders)		(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Year	(g) Year
	Series No. or Type	Serial No.					
(1)	1350 VZ RF	D-1007	N/A	SK1954-9C	2	2097	1980
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

VALVE

D71002

SERIAL NO.

Oil, Steam, Water

Brief description of service for which equipment was designed

D 304

5. Design Conditions \_\_\_\_\_ Pressure \_\_\_\_\_ Temperature \_\_\_\_\_ or Valve Pressure Class ANSI 500 (1)  
 6. Cold Working Pressure 1660 psi at 100°F.  
 Pressure Retaining Piece -

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body - 392K, P3	SA 216, WCB	Welworth Co.	Seal Welded Spgt
Cover - 376K, P8	SA 216, WCB	Welworth Co.	
Wisc - H97J, P1	SA 216, WCB	Welworth Co.	CoCrA Faced Spgt

(b) Forgings

Ducquesne Light Company  
 Beaver Valley Unit No. 2  
 P.O. No. 36V-73, I.O. No. 12241  
 Carbon Steel Valves - 2 1/2 in. and Larger  
 Category 1

Welworth Company  
 Greensburg, PA 15601

\* Supplemental sheets in form of drawings or drawings that are used in accordance with the information in items 1, 2 and 3 of the Data Report shall be numbered and each sheet is numbered and number of sheets is recorded at top of this form.

Part No. \_\_\_\_\_  
 Material \_\_\_\_\_  
 Size - 5114 111  
 Nut - B75 (JAA) SA 14 1/2 11 R. E. C. Corp.  
 Plug - BC38 SA 105 Brinney Forge  
**VALVE**  
**071002**  
**SERIAL NO.**  
 2125 1500

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this section 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  
 Issued on June 30, 1972 Code Case No. 1477 Date 11-4-80  
 Signed Walworth Company R. Knopf  
 In Certificate Holder's Name  
 Our ASME Certificate of Authorization No. 1951 is used the symbol expires 12/9/80

**CERTIFICATION OF DESIGN**

Design information on file at Walworth Company, Greensburg, PA 15601  
 Stress analysis report Case 1 on file at N/A  
 Design specifications certified by F. A. Goodwin  
 AS State PA Reg No 11684.2  
 Stress analysis certified by N/A  
 AS State  
 Walworth Company  
 Greensburg, PA 15601

**CERTIFICATE OF SHIP INSPECTION**

This certificate is to be filled out by the inspector and returned to the Certificate Holder. It is the responsibility of the Certificate Holder to ensure that the inspection is performed in accordance with the requirements of the ASME Code. The inspector shall be a qualified person as defined in the ASME Code. The inspector shall be a resident of the United States and shall be employed by the Certificate Holder or a subcontractor of the Certificate Holder. The inspector shall be a resident of the United States and shall be employed by the Certificate Holder or a subcontractor of the Certificate Holder. The inspector shall be a resident of the United States and shall be employed by the Certificate Holder or a subcontractor of the Certificate Holder.  
 Date 11-5 1972  
 Inspector's Name N. 16314N PA 2052

**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 6-17-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR# 003027 (DCP-1817)  
Repair Organization, P.O. No., Job No., etc.

3. Work Performed by DlCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. "  
 Expiration Date "

4. Identification of System Recirculation Spray

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 83E-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)
2RSS-E21C	Joseph Oat Corp.	2189-1C	892	Vertical Heat Exch.	1976	Repaired	Yes

7. Description of Work Added a one inch inspection post in shell side.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ and 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 N-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] ENGINEER Date July 1, 19 92  
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 this Owner's Report during the period March 13, to April 29, 1992 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 Systems**

[Signature] Commissions NB 8.316 PA 2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 1, 1992

FORM N-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR VESSELS

As required by the provisions of the ASME Code Re'28

1. Manufactured by JOSEPH OAT CORPORATION, Camden, New Jersey  
(Name and address of Manufacturer)

2. Manufactured for DUMFRIES LIGHT CO., Ever Valley Hill #2 Shippingport, Pa.  
(Name and address of Purchaser)

3. Type VERT. Kind HEAT EX. Vessel No. (2189-1C) (Name, Serial No.) (Date & Issue No.)  
(Date, or Ver.) (Type, Joint Job, Heat Ex.) (Date, Serial No.) (Date & Issue No.)

3a. Applicable ASME Code Section III, Edition 1971, Addenda date Summer 72, Case No. \_\_\_\_\_  
Class 2

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

4. Shell Material SA240-304 S 75,000 Nominal Thickness 3/8 Corrosion Allowance 0 in. Dia. 2 ft. 1 1/8 Length 36 ft. 7 3/8 in. S to S

5. Seams Long DBL Butt Welded H.T. No R.T. Complete Efficiency 100 %  
Short DBL Butt Welded H.T. No R.T. Complete No. of Courses 5

6. Heads (a) Material T.S. (b) Material T.S.

Location (Top, bottom, ends)	Thickness	Crown Radius	Inside Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Note to Pres. (Course or Course)
(a)								
(b)								

7. Removable, bolts used \_\_\_\_\_ Other fastening \_\_\_\_\_  
(Describe or attach sketch)

8. Design Pressure 250 psi at 250 °F at temp. of \_\_\_\_\_ °F. Test Pressure 408 psi  
Cherry Impact \_\_\_\_\_ ft-lb Hydrostatic or \_\_\_\_\_ °F. Combination \_\_\_\_\_

Items 9 and 10 to be completed for tube sections.

9. Tube Sheet Stationary, Material SA240-304 Dia. 18" in. Thickness 1 1/2 in. Attachment Welded  
(Kind & Spec. No.) (Subject to pres.) (Welded, Bolted)

10. Tubing Material SA249-304 Dia. 5/8 in. Thickness 20 in. Attachment 1148 Type Straight  
(Kind & Spec. No.) (Straight or U)

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

11. Shell Material SA515 T.S. 70,000 Nominal Thickness 7/16 Corrosion Allowance 1/8 in. Dia. 2 ft. 9 1/8 Length 2 ft. 3 3/8 S to S

12. Seams Long DBL Butt Welded H.T. Yes R.T. Complete Efficiency 100 %  
(Welded, Bolt, Single) (Yes or No)  
Short DBL Butt Welded H.T. Yes R.T. Complete No. of Courses 1 Each End

13. Heads (a) Material SA515 T.S. 70,000 (b) Material T.S. (c) Material T.S.

Location	Thickness	Crown Radius	Inside Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Note to Pres. (Course or Course)
(a) Top, bottom, ends	<u>2 1/3</u>						<u>38"</u>	<u>Flap</u>
(b) Channel								
(c) Flanging								

14. Studs (SA193-87) (125,000) 3/4" (36) Each End Nuts (SA194-2H) 3/4" (72) Each End  
(Removable, bolts used) (a) (b) (c) (Other materials)

14a. Design Pressure 150 psi at 250 °F at temp. of \_\_\_\_\_ °F. Test Pressure 225 psi  
Cherry Impact \_\_\_\_\_ ft-lb Hydrostatic or \_\_\_\_\_ °F. Combination \_\_\_\_\_

\* If Postweld Heat-Treated  
\*\* Also enter licensed or external pressure with scheduled temperature when applicable.

Items below to be completed for all vessels where applicable.

15. Safety Valve Orifices: Number \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_ In piping \_\_\_\_\_

16. Nozzles

Purpose (Inlet, Outlet, Drift)	Number	Dia. or Size	Type	Material	Thickness or	Manufacturing	How Attached
Inlet, outlet	2 (1 ea)	16"	Pipe	SA 538	SCH 40	SA 515-70	Welded
Drain	1	1"	Coll.	SA182-304	3000#	None	Welded
Inlet, outlet	2 (1 ea)	12"	Pic.	SA240-304	3/8	SA240-304	Welded
		12"	Pipe	SA312-304	SCH 40	None	Welded

17. Inspection Manholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

Openings Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

Threaded, No. 2 Size 1/4" Location 1 top & 1 bottom tubsheet

2 (1 ea) 3/4" x 1" in top and bottom Channel Covers

18. Supports Skid No. \_\_\_\_\_ Lugs No. \_\_\_\_\_ Lgr. No. \_\_\_\_\_ Other \_\_\_\_\_ Attached \_\_\_\_\_ Shell welded \_\_\_\_\_

(Yes or No) (Number) (Number) (Description) (Where & How)

19. Remarks: Vessel is a recirculating spray cooler.

Shell inlet and outlet nozzles are conical.

Inlet is 16" x 12" Outlet is 14" x 12"

DAL 424

(If of description of service for which vessel was designed)

**CERTIFICATION OF DESIGN**

Design information on file at Stone & Webster Eng., Boston, Mass.

Stress analysis report on file at Stone & Webster Eng., Boston, Mass.

Design specifications certified by Carlotta Richardson Prof. Eng. State Pa. Reg. No. 016297-E

Stress analysis report certified by Krishna Pal Singh Prof. Eng. State Pa. Reg. No. 20906-E

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 Aug 20 19 76 Signed Joseph Oat Corp By John V. Sanchez

Certificate of authorization expires Sept 30, 1976 Certificate of authorization No. 630

**CERTIFICATE OF SHOP INSPECTION**

VESSEL MADE BY Joseph Oat Corporation at Camden, New Jersey

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pa. and employed by H.S.B.I. & I Co. of Hartford, Conn.

have inspected the pressure vessel described in this Manufacturer's Data Report on August 23 19 76, and state that to the best of my knowledge and belief, the Manufacturer 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 Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date August 23 19 76 Inspector's Signature Walter S. Conroy Commission NB 4438 P. 12816

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/or the State of \_\_\_\_\_ and employed by \_\_\_\_\_ of \_\_\_\_\_

have compared the statements in this Manufacturer's Data Report with the described pressure vessel and those that parts referred to on data sheet \_\_\_\_\_, and included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer 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 Penetrant 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 Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date \_\_\_\_\_ 19 \_\_\_\_\_ Inspector's Signature \_\_\_\_\_ Commission \_\_\_\_\_ 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 Date 6-17-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 3
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 0002 2  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLC - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address
4. Identification of System Component Cooling Primary
5. (a) Applicable Construction Code Section III, 1974 Edition, S'76 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)
2CCP-MOV112A	Posi-Seal INTL.	15245-5-A	-	18" - 2144	1978	Replaced	Yes
"	Fisher Controls	59204-2B	-	-	1992	Replacement	Yes

7. Description of Work Replaced valve with like kind.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 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 NPV-1 forms attached  
 Applicable Manufacturer 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 NGAM B.5 "ASME Section XI Repair/Replacement Program"

Certificate of Authorization No. N/A Expires on Date N/A

Signature [Signature] Title Engineer Date June 24 19 92  
 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 this Owner's Report during the period March 13 to April 28, 1992 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.

Inspector's Signature [Signature] Commission No. NB 8316 PA 2278  
\*Factory Mutual Systems  
National Board, State, Province, and Endorsements

Date July 1, 19 92







SERIAL NO: 15245-5-A  
 MARK NO: 2CCP-MOV112A  
 TYPE:  
 COMMENTS: \_\_\_\_\_

2BV-076A

FORM NPV-1 MANUFACTURING DATA REPORT FOR NUCLEAR PUMPS OR VALVES\*  
 (As Required by the Provisions of the AEC78 Code, Section RL Div. 1)

1. Manufactured by POSEI-SEAL INTERNATIONAL, INC., Rtd. 49 & US 95, No. Shelton, CT 06359  
(Name and Address of Manufacturer)  
 2. Manufactured for DUQUESNE POWER and Light Co., 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 18 Outlet Size 18  
Inches

(1) Model No., Serial No. or Type	(2) Manufacturer's Serial No.	(3) Condon Registration No.	(4) Drawing No.	(5) Class	(6) Nat'l. Std. No.	(7) Year Built
(1) <u>2144</u>	<u>15245-5-A</u>	<u>N/A</u>	<u>15245-5</u>	<u>J</u>	<u>N/A</u>	<u>1973</u>
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. Motor Operated Butterfly Valves for Use in Component Cooling Water System -  
(Brief description of service for which equipment was designed)  
Throttling Service.

6. Design Conditions 153 psi 100 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)  
 7. Cold Working Pressure 275 psi at 100°F.  
 8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
<u>AC725</u>	<u>SA 351 GR CF8M</u>	<u>Connecticut Investment Casting Corp.</u>	<u>Bonnet</u>
<u>ACA27</u>	<u>SA 351 GR CF8M</u>	<u>Lebanon Steel Foundry</u>	<u>Disc</u>
<b>(b) Flange Plate</b>			
<u>AC397</u>	<u>SA 515 GR 70</u>	<u>Alan Wood Steel Co.</u>	<u>Valve Body</u>

DUQUESNE LIGHT COMPANY Page 45  
 BEAVER VALLEY POWER STATION #2  
 P.O. NO. 2BV-76A J.O. NO. 1224  
 MOTOR OPERATOR BUTTERFLY VALVES  
 FLANGED AND WAFER TYPE CAT. I

(1) For manually operated valves only.

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

FORM NPV-1 (Rev. 1)

Size No.	Material Spec. No.	Manufacturer	Remarks
3/8 - 16 UNC-2A	SA 193 GR B7	One Stop Industries	Bonnet Bolting (P.O. #C6758)
(d) Other Parts	Stop SA 216 GR WCB	Connecticut Investment Casting Corp.	Attachment (P.O. #C1337)

8. Hydrostatic test 625 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974, Addenda Summer 1974, Code Case No. N/A, Date 9/2/80.  
 Signed Fuji-Seal International, Inc. by Donald P. Miller  
(Manufacturer)  
 D. ASME Certificate of Authorization No. N-1844 to use the W symbol expires 9/2/80  
AS (NPV) Exact

CERTIFICATION OF DESIGN

Design information on file at Fuji-Seal International, Inc.  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) Ferenc A. Gopelau  
 PE State PA Reg. No. 2196A-E  
 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 Connecticut and employed by Commercial Union Ins. Co. of Boston, MA 02108 have inspected the pump, or valve, described in this Data Report on 9/2/80 at 19 25, 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 9/2/80 19 75 Robert W. 2337  
Robert W. 2337 Commissions Conn 702  
Inspector (Rev. 84, Sect. Prev. 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 6-17-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 3

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 000213  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLC - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Component Cooling Primary

5. (a) Applicable Construction Code Section III, 74 Edition S'76 Addenda - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 87E-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)
2CCP-MOV112B	Posi-Seal INTL.	15245-5-B	-	18" - 2144	1978	Replaced	Yes
"	Fisher Controls	59204-7A	-	-	1992	Replacement	Yes

7. Description of Work Replaced valve with like kind.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi / Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or \_\_\_\_\_ 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 NPV-1 forms attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date June 24 19 92  
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 this Owner's Report during the period March 13 to May 7, 1992 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 make any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 Systems

[Signature] Commissions NB8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 1, 1992

FORM GPV-1 IN CERTIFICATE HOLDERS' DATA SECTION FROM NUCLEAR POWER UN VALVES 10-153  
 As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by Fluor Daniel International, Inc., Dept. 40 & 100 or V, Springfield, MA  
(Name and Address of Certificate Holder)

2. Manufactured for Wilmington Light Company, Wilmington, MA  
(Name and Address of Purchaser or Owner)

3. Location of Installation Wester Valley Power Station, Springfield, MA  
(Name and Address)

4. Pump or Valve Valve      Name and Size 18" Class 150      Class 150      Size 18"  
(Inches)

5. Mode No. (or N Certificate Holder's or Location)      (6) Drawing No.      (7) Year

Series No. or Type	Serial No.	Registration No.	(6) Drawing No.	(7) Class	(8) Size	(9) Year
(1) <u>111</u>	<u>44008-23</u>	<u>1/21</u>	<u>48702-02</u>	<u>1</u>	<u>N/A</u>	<u>1992</u>
(2) _____	_____	_____	<u>8702</u>	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____

5. Tripout Cooling Water System - Throttling Service  
(and location of service for which equipment was designed)

6. Design Conditions 185      (6) 120      (7) or Valve Pressure Class 150      (8)

7. Last Working Pressure 185      (9) or 100%

8. Pressure Retaining Parts

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>AL 402</u>	<u>SA 351 OR 358</u>	<u>MOLINSUP ALLOY</u>	<u>DLW</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
(b) Forgings			
<u>None</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Item 14

(1) For manually operated valves only.  
 \* Supplemental sheets in form of lists, sketches or drawings may be used provided: (1) size is 9-1/2" x 11"; (2) information on 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 end of this form.  
 110771      The form 15003/1 may be obtained from the Order Desk, 2107 54th St., New York, N.Y. 10017

Part No	Material Spec No	Manufacturer	Remarks
1. Balling	SA 102 78 87	Garrett Corp	
2. Outer Parts etc			
3. Valve	SA 515 78 70	Balluffen Steel	Body
4. Nut	SA 210 T-210	Garrett Steel	Outer Part

ASME SECTION II - 470 - SA 515 - SA 210

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump or valve conforms in the rules of construction of the ASME Code for Nuclear Power Plant Components, Section II, Div. 1, Ed. 1976

Appends 6-1078-8 Code Case No. 578 Date 2/27/82

Signed Fisher Controls International, Inc. by Richard D. Young

ASME Certificate of Authorization No. N-1465 We use the N symbol except 1/2/82

Material conforms to ASME II 1980 Edition 1980 Addenda ASME II 1980 Addenda

**CERTIFICATION OF DESIGN**

Design information on file at Fisher Controls International, Inc., N. WILMINGTON, DE

Stress analysis report (Class I only) on file at \_\_\_\_\_

Design spec. keywords certified by (I) Joseph Joseph Company

PE State DE Reg. No. 34005-B

Stress analysis certified by (II) \_\_\_\_\_

PE State \_\_\_\_\_ Reg. No. \_\_\_\_\_

(I) Signature not required. List name only.

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, holding a valid certification issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Delaware and employed by Richard D. Young of Fisher Controls International, Inc. have inspected the pump or valve described in this Data Report on 2/27/82 and state that in the best of my knowledge and belief the N Certificate holder has constructed this pump or valve in accordance with the ASME Code, Section II.

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

Date 2/27/82 19 82

Inspector Richard D. Young Commission DT-1234/DA-402514

ASME SA 515 Code Book and No. 1



SERIAL NO: 15245-5-B  
 MARK NO: 2CCP-MOV112B  
 TYPE:  
 COMMENTS: \_\_\_\_\_

2BV-076A

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 PGSI-SEAL INTERNATIONAL, INC., Attn. 49 & US 95, No. Stamford, CT 06339  
(Name and Address of Manufacturer)
2. Manufactured for Duquesne Power and Light Co., 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 18 Outer Size 18  
(Inches)

(a) Model No., Serial No. or Type	(b) Manufacturer's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Std. No.	(g) Year Built
(1) 2164	15245-5-B	N/A	15245-5	3	N/A	1978
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. Motor Operated Butterfly Valves for Use in Component Cooling Water System -  
(Brief description of service for which equipment was designed)  
Throttling Service

6. Design Conditions 155 psi 100 °F or Valve Pressure Class N/A (1)  
Pressured (Temperature)
7. Cold Working Pressure 275 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
ACT33	SA 351 GR CFBH	Connecticut Investment Casting Corp.	Bonnet
ACA16	SA 351 GR CFBH	Lebanon Steel Foundry	Disc
(b) Forging Plate			
AC390	SA 515 GR 70	Alan Wood Black Co.	Valve Body

DUQUESNE LIGHT CO. P.O. # 44  
 BEAVER VALLEY POW. STATION #2  
 P.O. NO. 2BV-76A J.O. NO. 1274  
 MOTOR OPERATOR BUTTERFLY VALVES  
 FLANGED AND WAFER TYPE CAT-I

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

FORM NPV-1 (Book)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
3/8 - 16 UNC-2A	SA 193 GR B7	One Stop Industries	Donnet Bolting (P.O. #C6338)
(d) Other Parts			
Stop	SA 216 GR WCB	Connecticut Investment Casting Corp.	Attachment (P.O. #C1337)

B. Hydrostatic test 425 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974  
 Addenda February 1974 Code Case No. W/A Date \_\_\_\_\_  
 Signed Paul-Seal International, Inc. by Donald P. Miller  
(Manufacturer)  
 Our ASME Certificate of Authorization No. W-1844 to use the W symbol expires 9/2/8  
(ASME NPV) Date

CERTIFICATION OF DESIGN

Design information on file at Paul-Seal International, Inc.  
 Stress analysis report (Class 1 only) on file at W/A  
 Design specifications certified by (1) Fernk A. Copelani  
 PE State PA Reg. No. 21965-Z  
 Stress analysis certified by (1) W/A  
 PE State \_\_\_\_\_ Reg. No. \_\_\_\_\_  
 (1) If 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 or Province of CONNECTICUT and employed by Commercial Union Ins. Co. of Boston, MA 02108 have inspected the pump, or valve, described in this Data Report on 4/24 19 75 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 4/25 19 75 Donald W. 2937  
Donald W. 2937 Commission Comm 903  
(Inspector) State Bd. Boiler, Press. and No. 1

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

1. Owner Duquesne Light Company Date 6-17-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 907304  
Address Repair Organization P.O. No., Job No., etc.

3. Performed by DlCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No.                       
Shippingport, PA 15077 Expiration Date                       
Address

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 1974 Edition, S'76 Addenda                      Code Case                       
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is B3E-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)
2SWS-MOV107C	Posi-Seal INTL.	15245-6-C	-	24" - 2144	1978	Replaced	Yes
"	Fisher Controls	59204-1C	-	-	1992	Replacement	Yes

7. Description of Work Replaced valve with like kind.

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

NOTE: Supplemental sheets in form of tabs, 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 NPV-1 forms attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date June 24 19 92  
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 this Owner's Report during the period March 13 19 April 28, 1992 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 Systems

[Signature] Commissions NB 8316 PA 2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 1, 19 92

FORM NPV-111 CERTIFICATE HOLDERS DATA REPORT FOR NUCLEAR PUMPS OR VALVES  
As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufacturer: Electric Controls International, Inc. Rte. 19 S. 1st St., Westport, CT  
 (Name and Address of Manufacturer)  
 2. Vendor: Beaver Valley Nuclear Station  
 (Name and Address of Purchaser)  
 3. Station: Beaver Valley Nuclear Station, Middletown, CT, USA  
 (Name and Address)  
 4. P/N: Valve Nominal Size: 24 In. Dia. Unit: inch  
 5. Certificate Number: 57208-10 Serial No.: N/A Registration No.: N/A Drawing No.: 57208-01 Part No.: N/A Rev.: 1  
 6. Drawing No.: 57208-01 Rev.: 1  
 7. Part No.: N/A  
 8. Rev.: 1

SERVICE WATER SYSTEM

(See description of service in which equipment was designed)

9. Design Pressure: 183 psia (gauge) 100 psia (absolute) Design Temperature: 180 °F  
 10. Code: ASME Section III, Div. 1  
 11. Pressure Retaining Parts:

Mark No.	Material	Structure	Remarks
(a) Castings			
571 572	SA 304 Gr. CF8M	Welded	Weld
(b) Forgings			
N/A			

Item 11

(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.

SERIAL NO: 15245-6-C  
 MARK NO: 2SWS-MOV107C  
 TYPE:  
 COMMENTS: \_\_\_\_\_

2BV-076A

FORM #PV-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 POSI-SEAL INTERNATIONAL, INC., Rte. 49 & US 95, No. Stoningt T 06359  
(Name and Address of Manufacturer)  
 2. Manufactured for DUQUESNE POWER AND LIGHT CO., 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 24 Outlet Size 24  
(Inches)

(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) 2144	15245-6-C	N/A	15245-6	J	N/A	1978
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. Motor Operated Butterfly Valves for Use in Service Water System  
(Metal description of service for which equipment was designed)

6. Design Conditions 155 psi 88 °F or Valve Pressure Class B/A (1)  
(Pressure) (Temperature)  
 7. Cold Working Pressure 275 psi at 100°F.  
 8. Pressure P - A - g Places

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
AC809	SA351 GR CFBM	Connecticut Investment Casting Corp.	Bonnet
AC429	351 GR CFBM	Lebanon Steel Foundry	Disc
(b) Flange Plate			
AC402	SA515 GR 70	Bethlehem Steel Corp.	Valve Body

Page 89  
 DUQUESNE LIGHT COMPANY  
 BEAVER VALLEY POWER STATION #2  
 P.O. NO. 2BV-76A J.O. NO. 1224  
 MOTOR OPERATOR BUTTERFLY VALVES  
 FLANGED AND WAFER TYPE-CAT. 1

(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, 7 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.  
 (1/78) This form (E00037) may be obtained from the Order Dept., ASME, 348 E. 47 St., New York, N.Y. 10017

Part No.	Material Spec. No.	Manufacturer	Remarks
For Bolting			
3/8 - 16 UNC-2A	SA193 GR B7	One Stop Industrial, Inc.	Normal Bolting (P.O. #C6358)
For Other Parts			
Stop	SA216 GR WCB	Connecticut Investment Casting Corp.	Attachment (P.O. #C1337)

B. Hydrostatic test 425 psi.

## CERTIFICATE OF COMPLIANCE

We certify that the data 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 8, Div. 1, Edition 1976.

Addressed Spring 1976, Code Case No. N/A, Date 9/2/80

Signed Post-Seal International, Inc. by [Signature]

Our ASME Certificate of Authorization No. N-1846 to use the N symbol expires 9/2/80

Louis Schaps  
PE (NPV)

## CERTIFICATION OF DESIGN

Design information on file at Post-Seal International, Inc.

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

Design specifications certified by (1) FARUK A. GOPALANI

PE State PA Reg. No. 21966-E

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 or Province of Connecticut and employed by Commercial Union Ins. Co. of Boston, MA 02108 have inspected the pump, or valve, described in this Data Report on 2/27 19 75 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 9/25 19 80  
[Signature]  
Inspector

Commissions Post Seal No 2337  
Form 403  
Part 86, 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 6-17-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 3

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR# 997305  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 1974 Edition S'76 Addenda " Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-S'83A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2SWS-MOV107D	Posi-Seal INTL.	15245-6-D	-	24" - 2144	1978	Replaced	Yes
"	Fisher Controls	59204-1D	-	-	1992	Replacement	Yes

7. Description of Work Replaced valve with like kind.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 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 NPV-1 forms attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date June 24 19 92  
Owner or Owner's Designee, Title

CERTIFICATE OF CORRECTIVE INSPECTION

I, the undersigned, holding a valid commission issued by the Massachusetts 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 this Owner's Report during the period March 13 to April 28, 1992 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 Systems

[Signature] Commission NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 1, 19 92

FORM NP-1111 NUCLEAR PUMPS OR VALVES DATA REPORT FOR NUCLEAR PUMPS OR VALVES\*

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

1 Manufacturer Name: Fluor Corporation International, Inc. P.O. Box 40 & MS 95 V. Winston-Salem, NC 27107  
(Name and Address of Certificate Holder)

2 Manufacturer Name: Fluor Corp. 1101 Company, Wilmington, PA  
(Name and Address of Manufacturer)

3 Location of Installation: Seaway Valley Power Station, PA

4 Pump or Valve Name and Address: Valve      Nominal diam. size: 26      (inches)      Outlet Size: 4      (inches)

	(a) Model No. or Type	(b) Certificate holder's Serial No.	(c) Designer Registration No.	(d) Drawing No.	(e) Class	(f) Date	(g) Year
	(1)	111	59201-10	N/A	40204-0	1	N/A
(2)				Rev. 1			
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5 Primary Water System  
(Brief description of service for which equipment was designed)

6 Design Conditions: Pressure: 150 psi      Temperature: 120 °F or Valve Pressure Class: 150 (1)

7 Cold Working Pressure: 210 psi @ 100°F

8 Pressure Retaining Parts:

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>2" x 4"</u>	<u>SA 351 OR ASTM</u>	<u>Highston Alloys</u>	<u>Disc</u>
(b) Forgings			
<u>None</u>			

(1) For manually operated valves only.  
\* Supplemental sheets in form of files, sketches or drawings may be used provided (1) size is 8-10" x 11", (2) information in parts 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.

Item 11

Mat'l	Material Spec. No.	Manufacturer	Remarks
W/Boiling	SA 193 GR 97	Texas Bolt Co.	1/2" dia x 1/2"
W/Over Press. Plate	SA 516 GR 70	Bethlehem Steel	1/2"
W/Flange	SA 516 GR 70	Juniata Steel	Casted. Resistor

2. Hydrostatic test 150 wt. Disk Differential in pressure 210 psi

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974.

ASME Code Section 1978, Code Case No. N/A, Date 12/17/78

Signed Fisher Controls International, Inc. by Robert D. Ryan  
(In Certificate Holder's Name)

ASME Certificate of Authorization No. N-1825 to use the Code, expires 6/30/83  
Material conforms to ASME II 1989 Edition 1989 Addenda 10/1/89, 2/2/89

**CERTIFICATION OF DESIGN**

Design information on file at Fisher Controls International, Inc., N. Stonington, CT

Stress analysis report (Class) Formal on file at \_\_\_\_\_

Design specifications certified by (1) Joseph Treason Creswell  
PS State VA Reg. No. 14008.2

Stress analysis certified by (1) \_\_\_\_\_  
PS 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 of CONNECTICUT and employed by Heilbrunn Iron Works Inc. have inspected the pump or valve described in this Data Report on 18 Feb 1978 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 of a kind of any kind arising from or connected with this inspection.

Date 28 Feb 1978 - 13 PS  
Robert D. Ryan  
Inspector

Commission RT-1229/198-1102-JM  
State of Conn.

SERIAL NO: 15245-6-D  
 MARK NO: 2SWS-MOV107D  
 TYPE:  
 COMMENTS: -----

2BV-076A

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 POSI-SEAL INTERNATIONAL, INC., Rte. 49 & US 95, No. Stonington, CT 06359  
(Name and Address of Manufacturer)
2. Manufactured for Duquesne Power and Light Co., 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 24 Outlet Size 24  
inch inch

(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) 2144	15245-6-D	N/A	15245-6	3	N/A	1978
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. Motor Operated Butterfly Valve for Use in Service Water System  
(Brief description of service for which equipment was designed)

6. Design Conditions 153 psi 66 °F or Valve Pressure Class N/A (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			
AC810	SA351 GR CP8M	Connecticut Investment Casting Corp.	Bonnet
AC42B	SA351 GR CP8M	Lebanon Steel Foundry	Disc
(b) Forgings- Plate			
AC401	SA515 GR 70	Bathlehem Steel Corp.	Valve Body

Page 70  
 DUQUESNE LIGHT COMPANY  
 BEAVER VALLEY POWER STATION #2  
 P.O. NO. 29V-76A J.O. NO. 1224  
 MOTOR OPERATOR BUTTERFLY VALVES  
 FLANGED AND WAFER TYPE CAT. I

(1) For manually operated valves only.

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

FORM NPV-1 (Rev. 8)

Mark No	Material Spec No	Manufacturer	Remarks
(c) Bolting			
1/8 - 16 UNC-2A	A193 GR B7	One Stop Industries, Inc.	Bonnet Bolting (P.O. #C6358)
(d) Other Parts			
Stop	SA216 GR WCB	Connecticut INVERMET CARIDE CORP.	Attachment (P.O. #C1337)

B. Hydraulic test 425 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974.  
 Address SUMMIT 1976, Code Case No. W/A, Date 9/2/80  
 Signed Posi-Seal International, Inc. by Louis Schaps  
 Our ASME Certificate of Authorization No. N-1846 to use the R symbol expires 9/2/80  
(Manufacturer) (ASME)

CERTIFICATION OF DESIGN

Design information on file at Posi-Seal International, Inc.  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) FARUK A. Gopalani  
 PE State PA Reg. No. 21966-R  
 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 Connecticut and employed by Commercial Union Ins. Co.  
 at Boston, MA 02108 have inspected the pump, or valve, described in this Data Report on 2/24 19 78, and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.  
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 7/25 1978 Commissions 7300 WC 2337  
[Signature] (Inspector) 903 (Nat'l Bd., State, Prov. or, 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 6-18-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 Sheet 1 of 2

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
MWR# 002110 (DCP-1771)  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address  
 Authorization No. "  
 Expiration Date "

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code Section III 19 74 Edition, S'74 Addenda - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements B3E-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)
2CHS-474	Atwood-Morrill	1-13540-21	-	2 1/2" check valve	1983	Repaired	Yes
Disc	Atwood-Morrill	-	-	HT# 1G8580	-	Replacement	No

7. Description of Work Replaced valve disc.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 \* 2BVT1.47.11

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 NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 9, 1992 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 measure described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Systems

[Signature] Commissions NB 8316 PA 2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10, 1992

SERIAL NO: 1-13540-21  
 MARK NO: 2CHS-474  
 TYPE: VCW150-X-2  
 COMMENTS: \_\_\_\_\_

2BV-020

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 \* REVISED COPY

1. Manufactured by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970  
(Name and Address of Certificate Holder)
2. Manufactured for Stone & Webster Engineering Corp., Boston, MA (For Duquesne Light)  
(Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Shippingport, PA  
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 2 1/2 Outer Size 2 1/2  
(Inch) (Inch)

(a) Model No. or Type	(b) Certificate Holder's Serial No.	(c) Certificate Holder's Registration No.	(d) Drawing No.	(e) Class	(f) Part No.	(g) Year Built
2 1/2" Check Valve	1-13540-21	N/A	H-13540-0 * Rev. 9	2	N/A	1987
* Revision: Assembly drawing rev. number, stuffing box material grade, and delete Cl. 2 from Stuff. Box Studs						
Original NPV-1 signed by B. Sullivan on 10/27/83						

5. Chemical & Volume Contr: \_\_\_\_\_  
(State description of service for which equipment was designed)
6. Design Conditions 2735 psi 180 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)
7. Cold Working Pressure 3600 psi or 100°F.
8. Pressure Retaining Parts

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Gaskets by	SA 351 Gr. CF8	Quaker Alloy	F5102-6
<b>RECEIVED</b>			
MAY 20 1984			
Stone & Webster Engineering Corporation Mechanical Division			
(b) Packings Cover	SA 182 Gr. F316	Cann & Seal	34191
Load Key	SA 564 Gr. 600	Cann & Seal	1072473

(1) For essentially identical valves only.

\*Supplemental information in the form of lists, drawings, or drawings may be used provided (1) also to 025 x 11, (2) information is item 1 through 4 on this Data Report is included on each stamp, (3) each stamp is numbered and the number of stamps is recorded at the top of the form, and (4) each stamp shall be signed by the Certificate Holder and the ASME.



Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Stuff. Box Studs	SA 193 Gr. BB *	Ronson Mfg. Inc.	Mt. # A10143 Trace 11W
Stuff. Box Nuts	SA 194 Gr. B	Ronson Mfg. Inc.	Mt. # A11017 Trace W87
Other Parts			
Disc	SA 479 Gr. 316	Joslyn Stainless St.	Mt. # B1431
Lug	SA 479 Gr. 316	Joslyn Stainless St.	Mt. # B1431
Stuff. Box Cover	SA 240 Gr. 304 *	Mills Alloy Steel	Mt. # 22084W

B. Hydraulic test 5500 psi. Disk Differential test pressure 3650 psi.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974.

Address: Summer 1974 Code Case No. N/A Date N/A

Signed: Atwood & Merrill Co., Inc. by John H. Coughlin, ASME

Our ASME Certificate of Authorization no. H-2606 to use the ASME symbol expires 6/13/86

**CERTIFICATION OF DESIGN**

Design information on file at Stone & Webster

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

Design specifications certified by (1) Walter J. Parker, Jr.

PE No. PA Reg. No. 29003-F

Stress analysis certified by (1) N/A

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

(1) Signatures not required. List name only.

**RECEIVED**

**MAY 20 1984**

Stone & Webster  
Engineering Corporation  
Technical Division

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by H.S.B.I. & I. Co.

of Hartford CT have inspected the pump, or valve, described in this Data Report on 10-27 in AS and state that to the best of my knowledge and belief, the ASME 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 5/31 1984

Richard W. Webster Inspector

Commission MA1304 W.C. 3243  
(Don't fill in a Page 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 6-18-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 Sheet 1 of 2

2. Plant: Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
MWR# 907383 (DCP-1535)  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by: DLCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address  
 Authorization No.                       
 Expiration Date                     

4. Identification of System Safety Inj tion

5. (a) Applicable Construction Code Section III 19 74 Edition S'74 Addenda                      Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2SIS-132	Atwood-Morrill	30-13540	-	10" check valve	1980	Repaired	Yes
Cover	Atwood-Morrill	-	-	HT# 616177	-	Replacement	No
Load Key	Atwood-Morrill	-	-	HT# 49534	-	Replacement	No

7. Description of Work: Replaced valve cover.

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

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

FORM NIS-2 (Back)

9. Remarks NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 1, 1992 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 Systems

[Signature] Commissions NB8316 PA2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10, 1992

SERIAL NO: 30-13540

MARK NO:

TYPE:

COMMENTS:

2BV-020

FORM NPV-1 IN CERTIFICATE HOLDERS' DATA REPORT FOR BALL BEARING PUMPS OR VALVES  
As Required by the Provisions of the ASME Code, Sec. Div. 1

2.

1 Manufactured by Atwood & Merrill Co., Inc., Salem, MA 01970  
(Name and Address of Certificate Holder)

2 Manufactured for Stone & Webster Engineering Corp., Boston, MA  
(Name and Address of Purchaser or Owner)

3 Location of Installation Beaver Valley Power Station, Shippensburg, PA  
(Name and Address)

4 Pump or Valve Valve Nominal Inlet Size 10" Outlet Size 10"  
(Inch) (Inch)

(1) Model No. or Type	(2) Certificate Holder's Serial No.	(3) Canadian Registration No.	(4) Drawing No.	(5) Drawing Rev.	(6) Part No.	(7) Year Built
(11) 10" Check Valve	10-13540	N/A	13540-13-H	Rev. 6	2	N/A 1960
(12)						
(13)						
(14)						
(15)						
(16)						
(17)						
(18)						
(19)						

Duequesne Light Co.  
 Beaver Valley Unit 2  
 P.O. No. 20V-00  
 Misc. Check Valves  
 2 1/2" and Larger  
 Manufactured By  
 Atwood & Merrill Co., Inc.  
 285 Canal Street  
 Salem, MA 01970

5 10" Check Valve  
(Brief description of service for which equipment was designed)

6 Design Conditions 2485 psi 280 °F or Valve Pressure Class N/A (1)

7 Cold Working Pressure 3600 psi at 100°F

8 Friction Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
Body	SA351 Gr. CFBM	Lebanon Steel Fdry.	S/N 30-13540
RT# 0270			
Ht. # 317 F			
Disc	SA351 Gr. CFBM	Quaker Alloy	S/N 30-13540
RT# T1917			
Ht. # D8284-1			
<b>(b) Packings</b>			
Cover	SA 182 Gr. F316	Cann & Saul	S/N 30-13540
Ht. # 21109			
Load Key	SA 564	Cann & Saul	S/N 30-13540
Ht. # NX7642			

(1) For manually operated valves only

\* Supplemental charts in form of 1/2", 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.

Part No	Material Spec No	Manufacturer	Remarks
<b>(1) Bolting</b>			
Stuffing Box			
Studs	SA 313 Gr. 88	Jos. Dyson & Sons	Code J50
Nuts	SA 194 Gr. 8	Jos. Dyson & Sons	Code J61
<b>(2) Other Parts</b>			
Stuffing Box			
Gover	SA 240 Gr. 304	Sandmeyer Steel Co.	S/W 30A-13540
M.L.P. 856041		(M.S.)	S/W 118-13540
		Crucible Steel (PM)	

B. Hydrostatic test 5500 psi Class 1 Diffuser at pressure 3650 psi.

**CERTIFICATE OF COMPLIANCE**

We certify that the calculations made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974  
 Addenda Summer 1974 Code Case No. N/A Date N/A  
 Signed Atwood & Merrill Co., Inc. by [Signature]  
 Our ASME Certificate of Authorization No. N-1766 to use the M symbol expires 5/20/83  
(1) Signatures not required. List name only

**CERTIFICATION OF DESIGN**

Design information or file at Stone & Webster Duquesne Light Co.  
 Stress analysis report (Class 1 only) on file at N/A Beaver Valley Unit 2  
 Design specifications certified by (1) Arthur V. Elliot P.O. No. 28V-20  
 PE State PA Reg. No. 616-K Misc. Check Valves  
 Stress analysis certified by (1) N/A 2 1/2" and Larger  
 PE State N/A Reg. No. N/A Manufactured By  
Atwood & Merrill Co., Inc.  
 285 Canal Street  
 Salem, MA 01970

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by H.S.B.I. & I. Co.  
 of Waltham, CT have inspected the pump, or valve, described in this Data Report on June 87 19 87 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 June 87 19 87  
[Signature] Inspector  
 Commission N1122 - PA 802516  
(Rev. 1, 6/1, 1978, Pages 201-213)

**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 6-18-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 907390 (DCP-1535)  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Safety Injection

5. (a) Applicable Construction Code Section III 19 74 Edition, S'74 Addenda, - Code Case  
 (b) Applicable Edition of Section III Utilized for Repairs or Replacements is 83E-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)
2SIS-133	Atwood-Morrill	29-13540	-	10" check valve	1980	Repaired	Yes
Cover	Atwood-Morrill	-	-	HT# 616177	-	Replacement	No
Load Key	Atwood-Morrill	-	-	HT# 49534	-	Replacement	No

7. Description of Work Replaced valve cover.

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

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

FORM NIS-2 (Back)

9 Remarks NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 11 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10, 1992

SERIAL NO: 29-13540

MARK NO:

TYPE:

COMMENTS:

EBV-03

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 Atwood & Morrill Co. Inc. Salem, MA 01970  
 (Name and Address of Certificate Holder)

2. Manufactured for Stone & Webster Engineering Corp. Boston, MA  
 (Name and Address of Purchaser or Owner)

3. Location of Installation Beaver Valley Power Station, Shippingport, PA.  
 (Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 10" Outlet Size 10"  
 (Inch) (Inch)

(1) Model No. or Type	(2) N Certificate Holder's Serial No.	(3) Canadian Registration No.	(4) Drawing No.	(5) Class	(6) Part No.	(7) Year Built
(1) 10" Check Valve	29-13540	N/A	13540-13-H Rev. 6	2	N/A	1980
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

Duquesne Light Co.  
 Beaver Valley Unit 2  
 P.O. Box 23V-20  
 Misc. Check Valves  
 2" - 13" Large  
 Manufactured By  
 Atwood & Morrill Co. Inc.  
 285 Canal Street  
 Salem, MA 01970

5. 10" Check Valve  
 (Brief description of service for which equipment was designed)

6. Design Conditions 2485 psi 280 °F or valve Pressure Class N/A (1)

7. Cold Working Pressure 3600 psi at 100°F

8. Pressure Retaining Parts

Part No.	Material Spec No.	Manufacturer	Remarks
<b>(a) Castings</b>			
Body RTF 8204 Mt. # 9831F	SA351 Gr. CF8M	Lebanon Steel Fdry.	S/W 29-13540
Disc RTF T1918 Mt. # 08284-4	SA351 Gr. CF8M	Quaker Alloy	S/W 29-13540
<b>(b) Forgings</b>			
Cover Mt. # 21109	SA 182 Gr. F316	Cann & Saul	S/W 29-13540
Load Key Mt. # NX7642	SB 564	Cann & Saul	S/W 29-13540

(1) For manually operated valves only

\* If supplemental sheets in form of lists, schedules 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 first sheet.



Mark No	Material Spec No	Manufacturer	Remarks
(c) Bolting			
Stuffing Box			
Studs	SA 193 Gr. 88	Jos. Dyson & Sons	Code J58
Stuffing Box			
Nuts	SA 19A Gr. 8	Jos. Dyson & Sons	Code J61
All Other Parts			
Stuffing Box			
Cover	SA 240 Gr. 304	Sandmeyer Steel Co./MS	S/N 29A-13540
HL # 856041		Fruitable Steel (MS)	S/N 29B-13540

8. Hydrostatic test 5500 psi. Class Differential test pressure 3650 psi.

U-170

**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, Edition II, Div. 1, Edition 1974.

Address Summit 1974 Code Case No. N/A

Signed Atwood & Merrill Co. Inc. by [Signature]

Our ASME Certificate of Authorization No. N-1766 is valid to the N symbol expires 5/20/83

**VERIFICATION OF DESIGN**

Design information on file at Stone & Webster Duquesne Light Co.  
 Beaver Valley Unit 2  
 P.O. No. 28V-20  
 Mass. Check Valves  
 2" and Larger  
 Manufactured By  
 Atwood & Merrill Co. Inc.  
 285 Canal Street  
 Salem, MA 01970

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

Design specifications or filed by (1) Arthur W. Elliot  
 PE State PA Reg. No. 616-K

Stress analysis certified by (1) N/A  
 PE State N/A Reg. No. N/A

(1) Signature not required. List name only.

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by N.S.A.I. Co.

of Worcester, CT have inspected the pump, or valve, described in this Data Report on June 27 19 82 and report 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 27 19 82  
[Signature]  
 Commissioner NA 1772 - PA 14CR514  
 (Rev. Ed., Sept. 1968, and No. 1)

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

1. Owner Duquesne Light Company Date 6-22-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 3
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 907316  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCO - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address
4. Identification of System Service Water
5. (a) Applicable Construction Code Section III 1974 Edition S'76 Addenda - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements B3E-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)
2SWS-MOV107A	Posi-Seal INTL.	15245-6-A	-	24" Valve Butterfly	1978	Replaced	Yes
"	Fisher Controls	59204-1A	-	"	1992	Replacement	Yes

7. Description of Work: Replaced valve with like kind.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 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 NPV-1 forms attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date JUNE 24 19 92  
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 this Owner's Report during the period March 19 to April 28, 1992 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 Systems

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 1, 19 92

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

1. Manufacturer: Chicago Valve Company  
 Name and Address of Manufacturer  
 2. Location of Installation: Seaway Valley Power Station, Piquette, PA  
 Name and Address  
 3. Pump or Valve: Valve Nominal Inlet Size: 20 Nominal Outlet Size: 20  
 4. Drawing No. or Nomenclature: 59204-1 Rev. 1  
 Serial No. 59204-1 Revision No. 1  
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)

5. Service: Service Water System  
 Brief description of service for which pump or valve is designed

6. Design Conditions: 175 psig 120 °F or Valve Pressure Class: 150  
 7. Code Working Pressure: 175 psig  
 8. Pressure Rating: 150 psig

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>337</u>	<u>SA 304</u>	<u>HOLLAND ALLOYS</u>	<u>DN 20</u>
(b) Forgings			
<u>None</u>			

item 11

(1) For manually operated valves only.  
 \* Supplemental sheets in form of sets, sketches or drawings may be used provided (1) size is 8-1/2" x 11"; (2) information is same as 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.  
 (10-71) This form (FD0037) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

No. & No.	Material Spec. No.	Valve Size	Remarks
1	SA 240 T-10	2" x 1/2"	7/8" x 1/2"
2	SA 240 T-10	2" x 1/2"	
3	SA 240 T-10	2" x 1/2"	
4	SA 240 T-10	2" x 1/2"	
5	SA 240 T-10	2" x 1/2"	
6	SA 240 T-10	2" x 1/2"	
7	SA 240 T-10	2" x 1/2"	
8	SA 240 T-10	2" x 1/2"	
9	SA 240 T-10	2" x 1/2"	
10	SA 240 T-10	2" x 1/2"	
11	SA 240 T-10	2" x 1/2"	
12	SA 240 T-10	2" x 1/2"	
13	SA 240 T-10	2" x 1/2"	
14	SA 240 T-10	2" x 1/2"	
15	SA 240 T-10	2" x 1/2"	
16	SA 240 T-10	2" x 1/2"	
17	SA 240 T-10	2" x 1/2"	
18	SA 240 T-10	2" x 1/2"	
19	SA 240 T-10	2" x 1/2"	
20	SA 240 T-10	2" x 1/2"	

Material No. 240 No. Data Differential Pressure 318 20

**CERTIFICATE OF COMPLIANCE**

We certify that the requirements 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 II, Div. 1, Edition 1974.

Accession Number 1076 K, or Case No. 103 Date 2/27/72

Issued by Richard Thompson International, Inc. Richard Thompson  
ASME Certificate Holder

ASME Certificate of Authorization No. N 1818 to use the Code symbol expires 2/27/72

Material conforms to ASME II 1940 Edition 1949 addition 28 Feb 1966

**CERTIFICATION OF DESIGN**

Design information on file at Richard Thompson International, Inc., N. Scitunton, CT

Stress analysis report (Class Permit) on file at \_\_\_\_\_

Design specifications certified by (1) Richard Thompson, Designer

PC State CA Reg. No. 36709-4

Stress analysis certified by (1) \_\_\_\_\_

PC State \_\_\_\_\_ Reg. No. \_\_\_\_\_

Signature not required. List name only.

**CERTIFICATE OF SHOP INSPECTION**

The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Connecticut and employed by Richard Thompson International, Inc. of Scitunton, CT have inspected the pump or valve described in this Data Report on 28 February 1972 and state that to the best of my knowledge and belief, the ASME Certificate holder has constructed this pump or valve in accordance with the ASME Code, Section II.

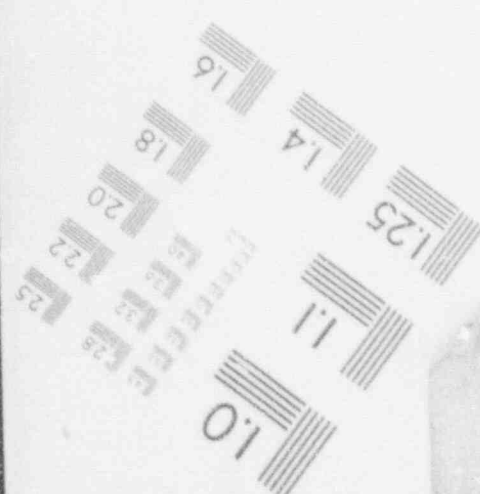
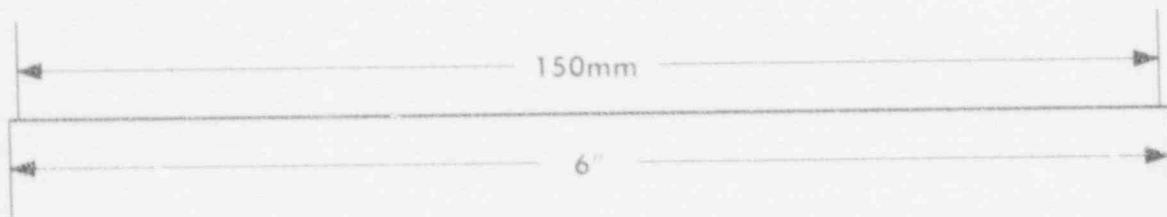
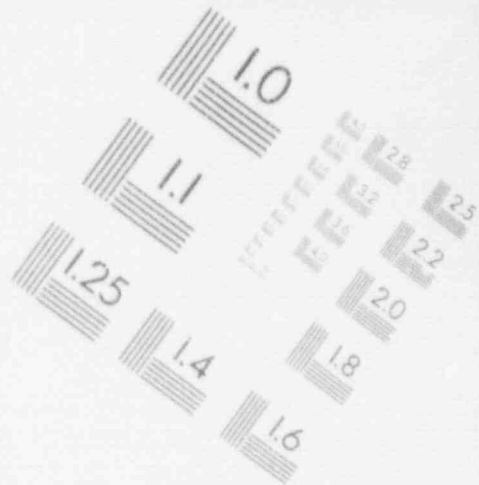
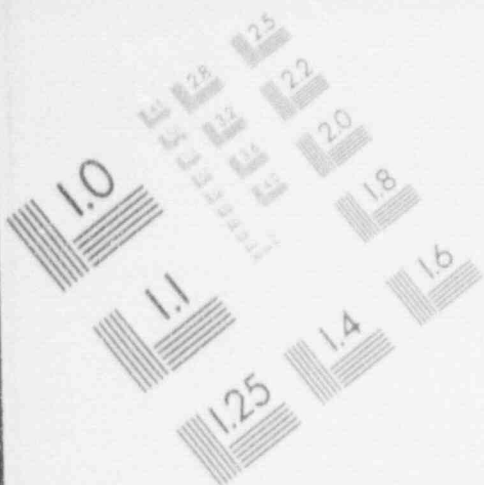
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss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

Date 28 February 1972  
Richard Thompson  
Inspector

Commission CT-1234-100-1072018  
NAT. B. & S. STATE FORM 280 (NO. 1)

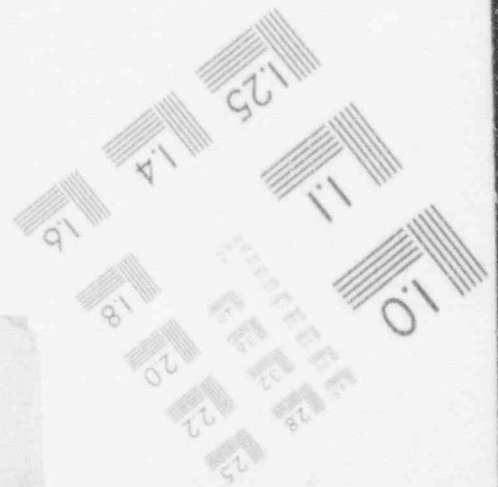
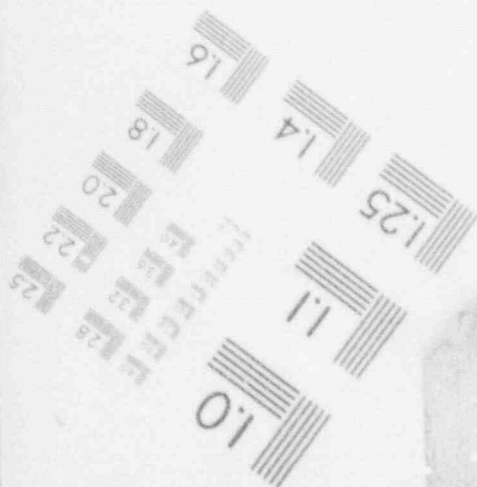
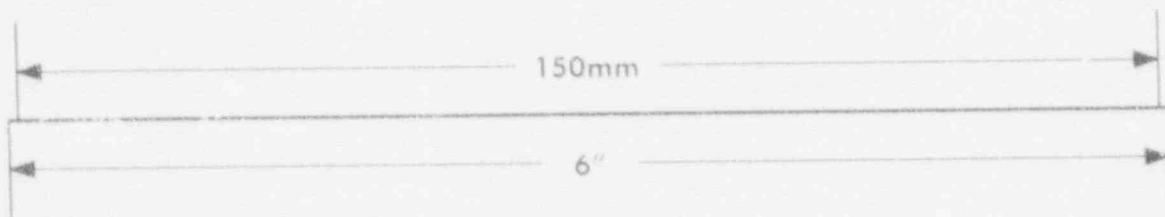
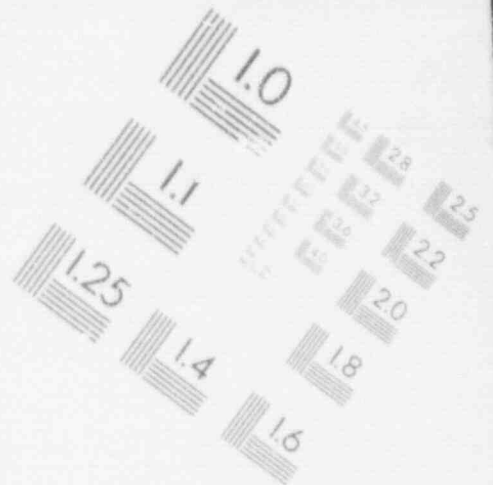
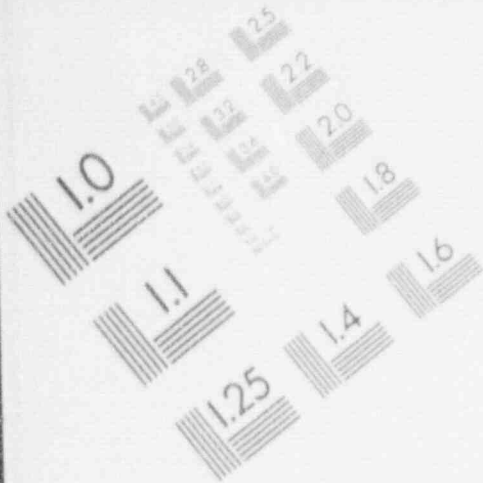
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## IMAGE EVALUATION TEST TARGET (MT-3)



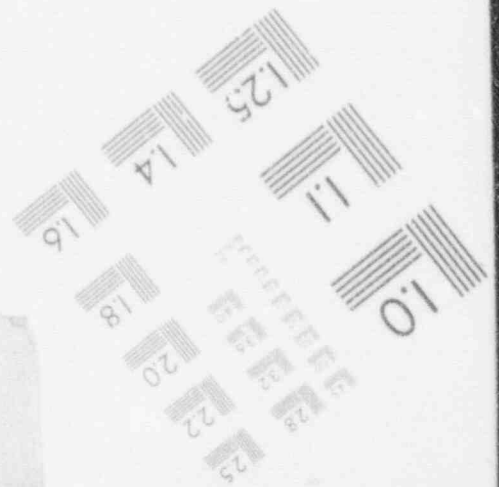
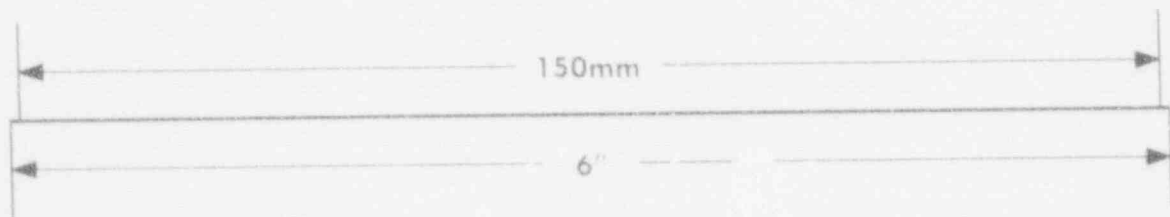
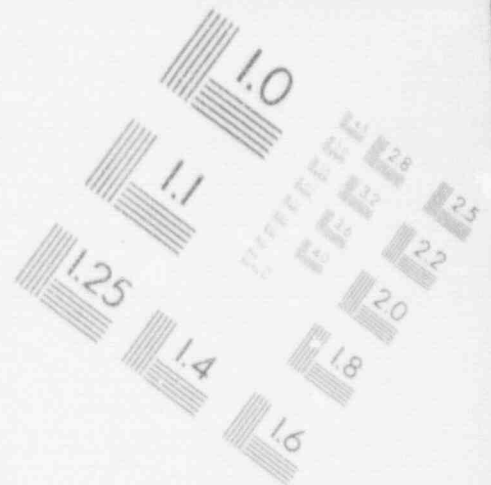
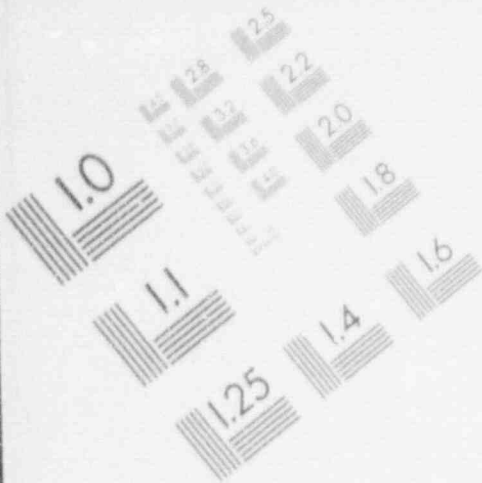
# 1

## IMAGE EVALUATION TEST TARGET (MT-3)



# 1

## IMAGE EVALUATION TEST TARGET (MT-3)





SERIAL NO: 15245-6-A  
 MARK NO: 2SWS-MBV-07A  
 TYPE:  
 COMMENTS: -----

2BV-076A

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES\*

(A: Required by the Provisions of the ASME Code, Section III, Div. 1)

1. Manufactured by POST-SEAL INTERNATIONAL, INC., Box 69 & US 95, No. Stonington, CT 06359  
(Name and Address of Manufacturer)
2. Manufactured for Duquesne Power and Light Co., 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 24 Outlet Size 24  
(Inch)

(a) Model No. Series No. or Type	(b) Manufacturers' Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Mat'l. Bd. No.	(g) Year Built
(1) <u>2144</u>	<u>15245-6-A</u>	<u>N/A</u>	<u>15245-6</u>	<u>3</u>	<u>N/A</u>	<u>1978</u>
(2) _____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____

5. Motor Operated Butterfly Valves for Use in Service Water System

(Brief description of service for which equipment was designed)

6. Design Conditions 153 psi 88 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)
7. Cold Working Pressure 275 psi at 100°F.
8. Pressure Retaining Pieces

Mark. No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Casings</b>			
<u>AC11</u>	<u>SA351 GR CF8M</u>	<u>Connecticut Investment Casting Corp.</u>	<u>Connet</u>
<u>AC30</u>	<u>SA351 GR CF8M</u>	<u>Lebanon Steel Foundry</u>	<u>Disc</u>
<b>(b) Flanges Plate</b>			
<u>AC400</u>	<u>SA515 GR 70</u>	<u>Bethlehem Steel Corp.</u>	<u>Valve Body</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Page 67  
 DUQUESNE LIGHT COMPANY STATION #2  
 BEAVER VALLEY POWER STATION #2  
 P.O. NO. 2BV-76A J.O. NO. 1224  
 MOTOR OPERATOR BUTTERFLY VALVES  
 FLANGED AND WAFER TYPE CAT. 3

(1) For manually operated valves only

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

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Bolting			
3/8 - 16 UMG-2A	SA193 GR A7	One Stop Industries Inc.	bonnet Bolting (P.O. #C6358)
(a) Other Parts			
Stop	SA216 GR WCB	Connecticut Investment Casting Corp.	Attachment (P.O. #C1337)

B. Hydrostatic test 425 psi.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974  
 Addenda Supp 1976, Code Case No. N/A, Date \_\_\_\_\_  
 Signed Post-Seal International, Inc. by [Signature]  
(Manufacturer)  
 Our ASME Certificate of Authorization No. N-1846 use the N symbol expires 4/2/80  
ASME NPV-1

**CERTIFICATION OF DESIGN**

Design information on file at Post-Seal International, Inc.  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) Paruk A. Gopalani  
 PE State PA Reg. No. 21966-E  
 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 of the State or Province of Connecticut and employed by Commercial Union Ins. Co. of Boston, MA 02108 have inspected the pump, or valve, described in this Data Report on 3-27 19 75, 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 3/25 19 75 Commission Perm 403  
[Signature] (Inspector) Perm 403 (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 6-22-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 2

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR# 002496, 003370  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda, - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 83E-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)
2CHS-LCV460B	Fisher Controls	5945206	2937	2IA88RG	1977	Repaired	Yes

7. Description of Work Replaced valves body / bonnet bolting.

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

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

FORM NIS-2 (Back)

9 Remarks NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Thomas J. White* Engineer Date July 14 19 92  
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 this Owner's Report during the period March 13 to May 9, 1992, 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 Systems

*J. Muckel* Commissions NB 8316 PA 2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 15, 1992

FLUID POWER MANUFACTURING DATA REPORT FOR PUMPS OR VALVES  
 (As dictated by the ASME Code Section VIII, Div. 1)

1. Manufacturer's Name: *W. O. Bick* Installation: *Line 5010*  
 2. Location: *W. O. Bick Corp., P.O. Box 350, Millersville, PA 17051*  
 3. Drawing No.: *1014*  
 4. Pump: *1814* Material: *Cast Iron* Outer Dia.: *2*

Part No. or Serial No. or Part	Quantity	1st. Control or Regulation	1st. Drawing No.	1st. Class	2d. Class No.	1st. Year Built
11. 55-000 55-00	154500	N/A	52A0095 Rev 0	1	2937	1977
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

**Letdown Line To Reg. bz. Lvg. Line Isolation**  
(List description of service for which is supplied - on drawing)

5. Design Conditions: *2485* psi *650* Temperature *9* or *1200* Pressure Class *B/A* (1)  
 7. Letdown Working Pressure: *3600* psi at *100°F*  
 8. Pressure Retaining Parts

Part No.	Material Spec. No.	Manufacturer	Remarks
<i>N/A</i>			
<i>181-000</i>	<i>SA-182-F316</i>	<i>W. O. Bick</i>	<i>Body</i>
<i>181-00</i>	<i>SA-182-F316</i>	<i>W. O. Bick</i>	<i>Internal</i>

1. Supplementary details in form of lists, sketches or drawings may be used, provided, they comply with the ASME Code Section VIII, Div. 1, and are included on each sheet, and (2) each detail is identified and number of sheets to be included is specified.

2. This form is provided as a guide only. It does not constitute a contract, and it is the user's responsibility to verify the data and specifications are correct.

10/78 DE-15 800-78

FORM 870-1 (Rev. 1-1-64)

Part No.	Quantity Req. No.	Manufacturer	Remarks
All Wiring CT-11 CT-2	SA-453-640 SA-134-1	Texas Bolt Texas Bolt	Stand Bolts Jaw Bolts
All Jaw Pins 20531-3-2	SA-477-216	Cartech	Jaw Pins

9. Submittal ref. 5000

**STATEMENT OF COMPLIANCE**

We certify that the information shown on this report was obtained and that the U.S. Dept. of Health, Education & Welfare is the source of information of the ASME Code for Nuclear Power Plant Components, Section I, Div. 1, Edition 1971  
 Issued January 1972, under Code No. SA Date 11-11-77  
 Signed Elmer Gonzalez, Engineer at Carroll P. Benjamin  
 Director of Inspection of the 171 Bureau 11-30-77

**STATEMENT OF WORK**

Organization of the Elmer Gonzalez, Engineer  
 Organization of the Elmer Gonzalez, Engineer  
 Organization of the Elmer Gonzalez, Engineer  
 Organization of the Elmer Gonzalez, Engineer  
 Organization of the Elmer Gonzalez, Engineer

**STATEMENT OF TEST RESULTS**

The following information was obtained from the testing of the SA-453-640  
SA-134-1 and SA-477-216 components of the ASME Code for Nuclear Power Plant Components, Section I, Div. 1, Edition 1971  
ASME Code for Nuclear Power Plant Components, Section I, Div. 1, Edition 1971  
ASME Code for Nuclear Power Plant Components, Section I, Div. 1, Edition 1971  
ASME Code for Nuclear Power Plant Components, Section I, Div. 1, Edition 1971

**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 6-22-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 3  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 907317  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III, 1974 Edition S'76 Addenda - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements B3E-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)
2SWS-MOV107B	Posi-Seal INTL.	15245-6-B	-	24" Valve Butterfly	1978	Replaced	Yes
"	Fisher Controls	59204-1B	-	"	1992	Replacement	Yes

7. Description of Work Replaced valve with like kind.

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

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

FORM NIS-2 (Back)

9 Remarks NPV-1 forms attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date June 24 19 92  
Owner or Owner's Designee, Title

**CERTIFICATE C: 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 this Owner's Report during the period March 13 to April 28, 1992 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 Systems

[Signature] Commissions NB 8316 PA 2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 1, 19 92



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

1. Manufactured by Garrett Corporation, Inc. Box 49 & 115 9th St. Indianapolis, IN  
(NAME AND ADDRESS OF Certificate Holder)

2. Manufactured for Garrett Turbochargers, Inc.  
(NAME AND ADDRESS OF Purchaser or User)

3. Location of installation Garrett Valley, Turkey Creek, IN  
(NAME AND ADDRESS)

4. Pump or Valve

(a) Model No. 101 (b) Certificate No. 59204-18 (c) Canadian Registration No. N/A  
 (d) Drawing No. 55204-11 (e) Serial No. 187  
 (f) Class No. 1 (g) Year 1997

(1) \_\_\_\_\_  
 (2) \_\_\_\_\_  
 (3) \_\_\_\_\_  
 (4) \_\_\_\_\_  
 (5) \_\_\_\_\_  
 (6) \_\_\_\_\_  
 (7) \_\_\_\_\_  
 (8) \_\_\_\_\_  
 (9) \_\_\_\_\_  
 (10) \_\_\_\_\_

Service Water System

(Brief description of service for which equipment was designed)

6. Design Conditions 120 psi 120 °F or Valve Pressure Class 150 (1)  
(Temperature)

7. Cold Working Pressure 2113 psi at 100°F

8. Pressure Retaining Pieces

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Gaskets AS 538	SA 351 GR C-9A	WALLOPSHAM ALLOY	Disc

(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 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.

Item 11

Part No.	ASME Spec. No.	Manufacturer	Quantity
10. Bolting			
BC 47730	SA 193 GR 72	Truss Bolt Co.	3/8" x 1 1/2"
11. Other Part. <u>FLANGE</u>			
SA 5.9 GR 70		Buttressed Steel	Flange
SA 240 T-1A		Tuscan Steel	Gasket Retainer

ASME Code Section 3100.01 Class 3100.01

**CERTIFICATE OF COMPLIANCE**

We certify that the data herein shown 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 XI Div. 1, Edition 1979.

Address: Summer St. 5 Code Case No. N/A Date: 9/2/92

Signed: Triller Controls International, Inc. by Richard A. King

Our ASME Certificate of Authorization No. N-1546 is used for N on 9/2/92

Material conforms to ASME T1 1989 Edition 1979 Addenda ASME T1-1989

**CERTIFICATION OF DESIGN**

Design information on file at Triller Controls International, Inc., N. Stonington, CT

Stress analysis report (Class 1 only) on file at \_\_\_\_\_

Design specifications certified by (1) Joseph Traylor, Engineer

PE State CA Reg. No. 34005-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 Triller Controls International, Inc. or Triller Controls International, Inc., N. Stonington, CT have inspected the pump or valve, described in this Data Report on 9/2/92 and state that to the best of my knowledge and belief the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section XI.

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: 9/2/92 at 30

Inspector: Richard A. King Commission: CT-1239/DA-WC2514

(ASME Code, State Form 280-90)

SERIAL NO: 15245-6-B  
 MARK NO: 2SWS-MDVI07B  
 TYPE:  
 COMMENTS: \_\_\_\_\_

2BV-076A

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 POSSEAL INTERNATIONAL, INC., Rte. 49 & US 95, No. Stonington, CT 06359  
(Name and Address of Manufacturer)  
 2. Manufactured for Duquesne Power and Light Co., 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 24 Outlet Size 24  
(Inch)

(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) 2144	15245-6-B	N/A	15245-6	3	N/A	1978
(2) _____	_____	_____	_____	_____	_____	_____
(3) _____	_____	_____	_____	_____	_____	_____
(4) _____	_____	_____	_____	_____	_____	_____
(5) _____	_____	_____	_____	_____	_____	_____
(6) _____	_____	_____	_____	_____	_____	_____
(7) _____	_____	_____	_____	_____	_____	_____
(8) _____	_____	_____	_____	_____	_____	_____
(9) _____	_____	_____	_____	_____	_____	_____
(10) _____	_____	_____	_____	_____	_____	_____

5. Motor Operated Butterfly Valves for Use in Service Water System  
(Brief description of service for which equipment was designed)  
 6. Design Conditions 153 psi 88 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)  
 7. Cold Working Pressure 275 psi at 100°F.  
 8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
AC808	SA351 GR CP8M	Connecticut Investment Casting Corp.	Bonnet
AC432	SA351 GR CP8M	Lebanon Steel Foundry	Disc
<b>(b) Fastenings - Plate</b>			
AC399	SA515 GR 70	Bethlehem Steel Corp.	Valve Body

Page 6 B  
 DUQUESNE LIGHT COMPANY  
 BEAVER VALLEY POWER STATION #2  
 P.O. NO. 2BV-76A J.O. NO. 1224  
 MOTOR OPERATOR BUTTERFLY VALVES  
 FLANGED AND WAFER TYPE CAT. I

(1) For manually operated valves only.  
 \* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.  
 (1/78) The form (E00037) may be obtained from the Order Dept., ASME, 348 E. 47 St., New York, N.Y. 10017

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
3/8 - 16 UNC-2A	SA193 GR B7	One Stop Industries Inc.	Bonnet Bolting (P.O. #C6358)
(d) Other Parts			
Stop	SA216 GR WCB	Connecticut Investment Casting Corp.	Attachment (P.O. #C1337)

B. Hydrostatic test 425 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974, Addenda Summary 1976, Code Case No. N/A, Date 9/2/80.  
 Signed Psai-Seal International, Inc. by Louis Scheps  
(Manufacturer)  
 Our ASME Certificate of Authorization No. N-1846 to use the N symbol expires 9/2/80.  
(90 NPV) (Date)

CERTIFICATION OF DESIGN

Design information on file at Psai-Seal International, Inc.  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) Faruk A. Gopalani  
 PE License PA Reg. No. 21966-E  
 State analysis certified by (1) N/A  
 PE State PA 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 Commercial Union Ins. Co of BORLON, MA 02108 have inspected the pump, or valve, described in this Data Report on 9/2/80 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 9/2/80 19 80 Psai-Seal 2337  
Inspector Commissions 2337  
(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 6-26-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant: Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR #001064  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by: DLCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System: Feedwater

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 is B3E-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)
2FWS-FCV478	Copes-Vulcan	7310-952 55-1-1	787	A-feed Reg Valve	1977	Repaired	Yes
----	Copes-Vulcan	88-1	---	Plug	----	Replaced	No
----	Copes-Vulcan	90-10	---	Plug	----	Replacement	No

7. Description of Work: Replaced valve plug

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 \*OST 2.1.10

NOTE: Supplemental sheets in form of tabs, 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 NPV-1 form attached

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM B.5 "ASME Section XI Repair/Replacement Program"

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

Signed Edward L. [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 19, 1992 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 Systems

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10, 19 92



Mark No.	Material Spcs. Cts.	Manufacturer	Remarks
101 Bolting			
Studs Lot TL	ASME-SA193	Republic	GR. B7
Nuts Lot A	ASME-SA194	Allied Int.	GR. 2H
102 Gaskets			
Plug S/N 76-10	ASME-SA182	Certech	GR. F304

8. Hydrostatic test 3250 psi

CVI S/N 7310-95255-1-1

**CERTIFICATION OF DESIGN**

Design information on file at Westinghouse Electric Corp., Nuclear Energy System  
 as covered report on file at Not Applicable  
 Design specifications provided by Louis James Malandra (I) Prof. Eng. ME State PA Reg. No. 13868-E  
 Stress analysis report provided by Not Applicable (I) Prof. Eng. \_\_\_\_\_ State \_\_\_\_\_ Reg. No. \_\_\_\_\_

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

Date 25 Jan 77 at Copes-Vulcan, Inc. J. H. Luthbrun  
 (Manufacturer)  
 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 employed by Protection Mutual Ins. Co \* of Park Ridge, Ill. have inspected the equipment described in this data report on 1-24 1977 and state that to the best of my knowledge and belief, the manufacturer has constructed this equipment in accordance with the applicable portions of ASME Section IB.

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

Date 1-25 1977  
L. A. Lumbke (Inspector) Commission Natl. Bd. # 3275  
 (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 Date 6-26-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR # 001065  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO - Maintenance Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077 Authorization No. "  
Address Expiration Date "

4. Identification of System Feedwater

5. (a) Applicable Construction Code Section III 19 71 Edition S'72 Addenda --- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements B3E-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)
2FWS-FCV-488	Copes-Vulcan	7310-952 55-1-2	795	B-feed Reg Valve	1977	Repaired	Yes
---	Copes-Vulcan	88-2	---	Plug	---	Replaced	No
---	Copes-Vulcan	90-9	---	Plug	---	Replacemt	No

7. Description of Work Replaced Valve plug

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 \*OST 2.1.10

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

FORM NIS-2 (Back)

9 Remarks NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed *[Signature]* Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 19, 1992 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 Systems

*[Signature]* Commission 8316 PA 2218  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10, 1992



FORM NPA-1 - (Rev. 4)

Work No.	Material Spec. No.	Manufacturer	Remarks
1st Drawing			
Studs Lot TL	ASME-SAI93	Republic	GR. B7
Nuts Lot A	ASME-SAI94	Allied Int.	GR. 2H
2nd Drawing			
Plug S/N 75-16	ASME-SAI82	Cartech	GR. F304

Hydrostatic Test 3250 psi

CVI S/N 7310-95255-1-2

**CERTIFICATION OF DESIGN**

Information on file at Westinghouse Electric Corp., Nuclear Energy System  
 Stress analysis report on file of Not Applicable  
 Design specifications provided by Louis James Malandra P.E. State PA Reg. No. 12858-E  
 Stress analysis report analyzed by Not Applicable P.E. State PA Reg. No.         

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

Date 4 February 19 77 Signed Copes-Vulcan, Inc. *J. H. Lutherton*  
 (Manufacturer)  
 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 by the State of Penna. and employed by Protection Mutual Ins. Co \* of Park Ridge, Ill. have inspected the equipment described in this date report on 2-14 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 2-14 19 77  
*S. A. Lemelle* (Inspector) Commission N. B. # 3275  
 (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 Date 6-26-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR #001066  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCo - Maintenance Type Code-Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. "  
 Expiration Date "
4. Identification of System Feedwater
5. (a) Applicable Construction Code Section III 19 71 Edition 5'72 Addendr. --- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-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)
2FWS-FCV498	Copes-Vulcan	7310-95 255-1-3	803	C - feed Reg. Vlv	1977	Repaired	Yes
---	Copes-Vulcan	88-3	---	Plug	---	Replaced	No
---	Copes-Vulcan	90-8	---	Plug	---	Replacmt	No

7. Description of Work Replaced Valve plug

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

\*OST 2.1.10

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 NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 12 to May 18, 1992 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 Systems

[Signature] Commissions NB 8316 PA 2278  
Inspector's Signature National Board, State, Province, and Engineer units

Date July 10, 19 92

ZFWS-FCV498

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. Design Duquesne Light Company

4. Location of Plant Shippingport, Pennsylvania

5. Pump or Valve Identification WNES I.D. # 16 FA37RG CVI S/N 7310-95 255-1-3  
12" 900# Feedwater Control Valve  
(Must be a caption of vessel for which equipment was designed)

6. Drawing No. D-166222 Rev. 5 Prepared by Copes-Vulcan, Inc  
 (b) National Board No. 803

7. Design Conditions 1800 psi 460 °F  
(Pressure) (Temperature)

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

9. Edition 1971 Addenda Date Summer, 1972 Case No. \*\*\*\*\*

Part No.	Material Spc. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
Body S/N P3814	ASME-SA352	Quaker	GR. LCB
<b>(b) Forgings</b>			
Bonnet S/N 13	ASME-SA105	McInnes	GR 2

FORM NTA-1 (Rev. 4)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Bolting			
Studs Lot TL	ASME-SAI93	Republic	GR. B7
Nuts Lot A	ASME-SAI94	Allied Int.	GR. 2H
(b) Other Parts			
Plug S/N 76-9	ASME-SAI82	Cartech	GR. F304

6. Hydrostatic test 3250 psi. CVI S/N 7310-95255-1-3

CERTIFICATION OF DESIGN

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

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

Date 28 February 19 77 Signed Copes-Vulcan, Inc. *J. Arthur Huber, Jr.*  
(Manufacturer)  
 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 employed by Protection Mutual Ins. Co. \* of Park Ridge, Ill. have inspected the equipment described in the data report on 2-25 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 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 one kind arising from or connected with this inspection.

Date 2-28 19 77  
 Signed B. A. Lumbke Commission Natl. Bd. # 3275  
(Inspector) (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 Date 6-29-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 2  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR #004754  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code Section II, Part 71 Edition S'72 Addenda 1540-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1982E-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)
2CHS-48	ITT Grinnell	---	---	2" Valve, Diaphragm	---	Repaired	Yes
---	Kayro Prec.	74-10817 -4-21	---	Bonnet	1976	Replacement	No

7. Description of Work Replaced Valve Bonnet

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

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

FORM NIS-2 (Back)

9. Remarks NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to July 9, 1992 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 Systems

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10, 1992

5/26/83

FORM NPS-1 MANUFACTURERS DATA REPORT FOR NUCLEAR PUMPS OR VALVES\*

As Required by the Provisions of the ASME Code Rules

1. Manufactured by ITT Grinnell Valve Co., Inc., Lancaster, PA 17603 Order No. 74-10817-4  
(Name & Address of Manufacturer)
2. Manufactured for Westinghouse Electric Corporation, Pittsburgh, PA Order No. 546-CCA-191011-BN  
(Name and Address)
3. Owner Duquesne Light Company
4. Location of Plant Beaver Valley No. 2, Shippingport, PA DMW
5. Pump or Valve Identification 2" ITT Grinnell Diaphragm Valve, Handwheel Operated  
with Travel Stop  
(Brief description of service for which equipment was designed)
6. (a) Drawing No. SDC-102874 Rev. A Prepared by ITT Grinnell Valve Co., Inc.  
(b) National Board No. WR1390 thru WR1414
7. Design Conditions 300 psi 150 °F  
(Pressure) (Temperature)
8. The material, design, construction, and workmanship complies with ASME Code Section III, Class 2  
Edition 1977, Addenda Date Summer 1977, Case No. 1540m1

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>74-10817-4-1 thru 25</u>			
<u>Bodies</u>	<u>ASME SA351</u>	<u>Design Precision</u>	<u>CFB</u>
<u>74-10817-4-1 thru 25</u>			
<u>Bonnets</u>	<u>ASME SA351</u>	<u>Keyro Precision</u>	<u>CFB</u>
Remarks: *5. (a) Corrected Drawing Data			
*7. Corrected ASME Class of Valve			
(b) Forgings			

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

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) <u>Boiling</u> <u>74-10817-4-1 thru 25</u> <u>Studs</u>	ASME SA453	Victor Products	Grade 660
<u>74-10817-4-1 thru 25</u> <u>Nuts</u>	ASME SA193	V. R. Machine	Grade B6
(d) <u>Other Parts</u>			
<u>Diaphragm - Grade M</u>	—	Rogers Corp.	EPT
* <u>Vent Plug</u>	ASME SA194	Schnitzer Alloy	Grade 6
* <u>Corrected to Current Address and Current N-Stamp Number and Expiration Date</u>			

*RJ*  
*W.M.2*  
*P.M.*  
*11-25-82*

E. Hydraulic test 450 psi.

### CERTIFICATION OF DESIGN

\* Design information on file at ITT Grinnell Valve Co., Inc., Lancaster, PA 17603

\* Stress analysis report on file at " " " " " " " " " " " " " " " "

Design specifications certified by Louis J. Malandra (I) Prof. Eng. State PA Reg. No. 13868-E

Stress analysis report certified by NA (I) Prof. Eng. State NA Reg. No. NA

(I) Signature not required. List name only.

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

Date May 26 1983 Signed ITT Grinnell Valve (Manufacturer) Co., Inc. By [Signature]

\* Certificate of Authorization No. N-2442-3 expires 4/7/84

### CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by H.S.B.I. Co. of Hartford, Connecticut have inspected the equipment described in this Data Report on 4-13 1983 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 5-26 1983

[Signature] (Inspector) Commission NB 5586 Pq. 1741  
(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 Date 6-29-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR #004753  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DlCo - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda 1540-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 19 83E-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)
2CHS-46	ITT Griffin	---	---	2" Valve, Diaphragm	--	Repaired	Yes
-----	Kayro Prec.	74-10817 -4-55	---	Bonnet	1976	Replacement	No

7. Description of Work Replaced Valves Bonnet

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 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 NPV-1 form attached.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol State per NGAM 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 28, 1992 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 Systems

[Signature] Commissions NB 8316 PA 2245  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 8, 19 92

5/26/83

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES\*

As Required by the Provisions of the ASME Code Rules

1. Manufactured by ITT Grinnell Valve Co., Inc., Lancaster, PA 17603 Order No. 74-10817-4  
(Name & Address of Manufacturer)
2. Manufactured for Westinghouse Electric Corporation, Pittsburgh, PA Order No. 546-CCA-191013-DN  
(Name and Address)
3. Owner: Duquesne Light Company
4. Location of Plant Beaver Valley No. 2, Shippingport, PA Dist Dist
5. Pump or Valve Identification 2" ITT Grinnell Diaphragm Valve, Handwheel Operated  
with Travel Stops  
(Brief description of service for which equipment was designed)
- \* (a) Drawing No. SVC-102874 Rev. A Prepared by ITT Grinnell Valve Co., Inc.  
(b) National Board No. WP1440 thru WR1444
6. Design Conditions 300 psi 150 °F  
(Pressure) (Temperature)
- \* 7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 3  
Edition 1971, Addenda Date Summer 1972, Case No. 1540-1

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>74-10817-4-51 thru 55</u> <u>Bodies</u>	<u>ASME SA351</u>	<u>Design Precision</u>	<u>CFR</u>
<u>74-10817-4-51 thru 55</u> <u>Bonnets</u>	<u>ASME SA351</u>	<u>Keyco Precision</u>	<u>CFR</u>
Remarks: *5. (a) Corrected Drawing Data. *7. Corrected ASME Class of Valve.			
(b) Forgings			

\*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1, 2, 3, 4, 5 and 6 on this data report is indicated 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			
74-10017-4-51 thru 55			
Studs	ASME SA453	Victor Products	Grade 660
74-10017-4-51 thru 55			
Nuts	ASME SA193	V. R. Machine	Grade B6
(d) Other Parts			
Diaphragm - Grade M	---	Rogers Corp.	EPT
*Vent Plug	ASME SA194	Schnitzer Alloy	Grade 6
*Corrected to Current Address and Current N-Stamp Number and Expiration Date.			

ADW  
WMA  
R. J. ...  
1-25-83

8. Hydraulic test 450 psi.

### CERTIFICATION OF DESIGN

\* Design information on file at ITT Grinnell Valve Co., Inc., Lancaster, PA 17603  
 \* Stress analysis report on file at \_\_\_\_\_  
 Design specifications certified by Louis J. Malandra (I) Prof. Eng. State PA Reg. No. 13868-B  
 Stress analysis report certified by NA (I) Prof. Eng. State NA Reg. No. 175  
 (I) Signature not required. List name only.

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

Date MAY 25 1983 Signed ITT Grinnell Valve By Johnell  
 (Manufacturer) Co., Inc.

\* Certificate of Authorization No. N-2442-3 expires 4/7/84

### CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Pennsylvania and employed by B.S.B. I. & I. Co. at Bartford, Connecticut have inspected the equipment described in this Data Report on 4-13 1983 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 5-26 1983

R.A. Wardrop  
 (Inspector)

Commission NB 5586 P. 1761  
 (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 Date 6-30-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address Sheet 1 of 1

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR # 002978  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Feedwater

5. (a) Applicable Construction Code --- 19 --- Edition, ---- Addenda, ---- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2FWS-PSSP-002A	Paul-Monroe	1684	---	Snubber PMH-2300	---	Repaired	No

7. Description of Work Replaced Snubbers piston rod, bearings and seals

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F \*Functional Test  
 10080-DMS-0184-0  
 ADD. 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 n/a  
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 17, 1992, 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 Systems

[Signature] Inspector's Signature Commission NB8916 PA 2278  
National Board, State, Province, and Endorsements

Date July 8, 19 92

**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 6-30-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR#002980  
Address Repair Organization # O. No., Job No., etc.

3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Feedwater

5. (a) Applicable Construction Code ---- 19 ---- Edition, ---- Addenda, ---- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2FWS-PSSP0002E	Paul-Monroe	1685	----	Snubber- PMH-2300	---	Repaired	No

7. Description of Work Replaced piston rod, bearings, seals

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  \*Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ \*F 10080-DMS-0184-0 ADD. 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 n/a  
 Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date July 8, 19 92  
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 this Owner's Report during the period March 13, to May 5, 1992 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 make any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Systems

[Signature] Inspector's Signature Commission NB 8316 PA 2248  
National Board, State, Province, and Endorsements

Date July 10, 19 92

**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 6-30-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 Sheet 1 of 1

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address  
MWR#008673  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address  
 Authorization No.                       
 Expiration Date                     

4. Identification of System Main Steam

5. (a) Applicable Construction Code                      '89 Edition,                      Addenda,                      Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is B3E-5'83A

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)
2MSS-PSSP108B	Paul-Monroe	1773	----	Snubber PMH-2" J0	----	Repaired	No

7. Description of Work Replaced piston rod, bearings, seals

8. Tests Conducted: Hydraulic  Pneumatic  Nominal Operating Pressure  \*Functional Test  
 Other  Pressure                      psi Test Temp.                      °F  
 10080-DMS-0184-0 ADD. 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 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 the form.

FORM NIS-2 (Back)

9. Remarks N/a  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Norman F. White Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 4, 1992 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 Systems

Tom Muckel NB-8316 PA 2278  
Inspector's Signature Commission National Board, State, Province, and Endorsements

Date July 10, 1992

**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 6-30-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR#008662  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Feedwater

5. (a) Applicable Construction Code ----- 19 ---- Edition, ---- Addenda, ----- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E-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)
2FWS-PSSP001	Paul-Monroe	1775	-----	Snubber PMH-2300	---	Repaired	No

7. Description of Work Replaced piston rod, bearings, seals

8. Tests Conducted: Hydraulic  Pneumatic  Nominal Operating Pressure  \*Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ \*F 10080-DMS-0184 ADD.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 n/a  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM 6.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 4, 1992, 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 Systems

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10, 19 92



**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 6-30-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR#008665  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name Authorization No. \*  
Shippingport, PA 15077 Expiration Date \*  
Address

4. Identification of System Feedwater

5. (a) Applicable Construction Code ---- 19 ---- Edition, ----- Addenda, ----- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-5'83A

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)
2FWS-PSSP016	Paul-Monroe	1771	---	Snubber PMH-2300	--	Repaired	No

7. Description of Work Replaced piston rod, bearings, seals

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  \*Functional Test  
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
 10080-DMS-0184-0 ADD.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 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 N/A  
APPLICABLE MANUFACTURER'S DATA REPORTS TO BE ATTACHED

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 7, 1992 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 Systems

[Signature] Commissions NB 8316 PA 2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10 19 92

**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 6-30-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR#008359  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Feedwater

5. (a) Applicable Construction Code ----- 19 --- Edition, ----- Addenda, ----- Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
2FWS-PSSP0003A	Paul-Monroe	1677	----	Snubber PMH-2200	---	Repaired	No

7. Description of Work Replaced piston rod, bearings, seals

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F \*Functional Test  
10080-DMS-0184-0 ADD. 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 N/A  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ENGINEER Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 4, 1992 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 Systems

[Signature] Commission NB 8316 PA 2278  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10 19 92

**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 6-30-92  
Name  
One Oxford Centre - Pittsburgh, PA 15219  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR#008360  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077  
Address Authorization No. "  
 Expiration Date "
4. Identification of System Feedwater
5. (a) Applicable Construction Code          19          Edition,          Addenda,          Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E-G'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)
2FWS-PSSP003B	Paul-Monroe	1678	-----	Snubber PMH-2200	--	Repaired	No

7. Description of Work Replaced piston rod, bearings, seals

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

\*Function Test  
10080-DMS-0184-0 ADD.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 N/A  
 Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statement 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 NGAM 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date July 8 19 92  
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 this Owner's Report during the period March 13 to May 7, 1992 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 loss of any kind arising from or connected with this inspection.

\*Factory Mutual Systems

[Signature] Commissions NB 8316 PA 2238  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 10 19 92

**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 6-30-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 008470  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077 Authorization No. "  
Address Expiration Date "

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda: " Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E-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)
2-SW-002-574-3	Schneider Power	2-SR-30-11-SWS	-	T 30: CI-311-017	1986	Repaired	Yes

7. Description of Work Cut-out pipe for cleaning, installed new piece.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 170 psi Test Temp. 65.6 °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 N/A. Hydrostatic Tested under 2ISI-30-3-016.  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp per NGAM 0.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date July 14 19 92  
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 this Owner's Report during the period March 13, to April 27, 1992, 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 Systems

[Signature] Inspector's Signature Commission 188316 PA3246  
National Board, State, Province, and Endorsements

Date July 17, 19 92



**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 6-30-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address
2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWRP 002865  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by DLCO - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name  
Shippingport, PA 15077 Authorization No. 0  
Address Expiration Date \*
4. Identification of System Service Water
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 83E-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)
2-SWS-002-571-3	Schneider Power	2SR-30-12-SWS	-	ISO: CI-311-014	1986	Repaired	Yes

7. Description of Work: Cut-out elbow for cleaning, rewelded in new fitting.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 170 psi Test Temp. 65.6 °F

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

FORM NIS-2 (Back)

9 Remarks N/A. Hydrostatic tested under 2ISI-30-3-016  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Engineer Date July 14 19 92  
Owner or Owner's Designee

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. \* of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period March 13, to April 27, 1992, 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 Systems

[Signature] Commissions NS 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 17 19 92

**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 7-8-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address  
 2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077  
Address MWR# 002391 (DCP-1490), 007277  
Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DlCo - Maint. & Byron-Jackson Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address  
 4. Identification of System Service Water  
 5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda N-146-1 - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3E-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)
2SWS-P21A	Byron-Jackson	731-N-0022	-	24 inch pump	1982	Repaired	Yes

7. Description of Work: Weld repaired or sleeved; columns, stuffing box and discharge head and replaced bolting.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 225 psi Test Temp. 69 °F

\* OST 2.30.2, 2BVT 2.36.1

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 NPV-1 form attached. Pump was rerated to 150 psig by hydrotest at  
Byron-Jackson (See attached R-1 form).  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed *Thomas A. White* ENGINEER Date July 15 19 92  
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 this Owner's Report during the period March 13 to June 5, 1992, 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 make any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Systems

*G. Muckel* Commissions NB8016 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 17 19 92

FORM R-1 REPORT OF WELDED  REPAIR OR  ALTERATION  
as required by the provisions of the National Board Inspection Code

Work performed by Duquesne Light Company and BWIP D091063  
(name of repair or alteration organization) (P. O. No., B.O. No., etc.)

C) Beaver Valley Power Station, Unit No. 2, Shippingport, PA 15077  
P) P.O. Box 2017, Los Angeles, CA 90051 (address)

2. Owner Duquesne Light Company  
(name)  
One Oxford Centre, 301 Grant St., Pittsburgh, PA 15279  
(address)

3. Location of installation Duquesne Light Co., Beaver Valley Power Station, Unit No. 2  
(name)  
South Bank of the Ohio River, Shippingport, PA 15077  
(address)

4. Unit Identification: Pump Name of original manufacturer Byron Jackson (BWIP Pump Division)  
(boiler, pressure vessel)

5. Identifying nos.: 731-N-0027 N/A N/A N/A 1982  
(ref's. serial no.) (original National Board no.) (jurisdiction no.) (other) (year built)

6. Description of work Rerate of pump from 130 psi design to 150 psi design.  
(use back, separate sheet, or sketch if necessary.)

Pressure test, if applied 187.5 psi

Replacement Parts: Attached are Manufacturers' Partial Data Reports properly identified and signed by inspectors for the following items of this report:

N/A - Work covering replacement parts was controlled by ASME Section XI Program, and is documented on NIS-2 Form.

(name of part, item number, ref's. name and identifying data)

8. Remarks: This form is documenting the rerate of the pump only.

(reverse side of form)

### CERTIFICATE OF SHOP/FIELD COMPLIANCE

We verify that the statements made in this report are correct and that this Alteration conforms to the National Board Inspection Code. (repair or alteration)

NR Certificate of Authorization no. N/A expires \_\_\_\_\_, 19\_\_\_\_  
Jurisdictional Authorization no. \_\_\_\_\_ expires \_\_\_\_\_, 19\_\_\_\_

Date July 14, 1992 NED Signed Paul G. Kozlowski  
(repair organization) (representative)

### CERTIFICATE OF SHOP/FIELD INSPECTION

I, the undersigned, holding a valid Commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the state or province of Pennsylvania and employed by Arthurwright Mutual Ins Co of Norwood Mass. has inspected the work described in this report on July 17, 1992 and stated that to the best of my knowledge and belief, this work has been done in accordance with the National Board Inspection Code. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

Date July 17, 1992 Signed J. P. Muckle Commissions PA 2278  
(Inspector) (National Board (incl. endorsements), state, prov., and no.)

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

1. Manufactured by BYRON JACKSON PUMP DIV. 2300 E. VERNON AVE. VERNON, CALIF. 90058  
(Name and Address of N Certificate Holder)
2. Manufactured for STONE AND WEBSTER ENG. CORP. BOSTON MASS. 02107  
(Name and Address of Purchaser or Owner)
3. Location of Installation BEAVER VALLEY NUCLEAR STATION PITTSBURGH, PENNSYLVANIA  
(Name and Address)
4. Pump or Valve Pump Nominal Inlet Size N/A (inch) Outlet Size 24 (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)	36RXM	731-N-0027	N/A	1F-7511	3	N/A
(2)	2 STG. VCT.	-	-	REV. D	-	-	-
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. SERVICE WATER PUMPS FOR COMPONENT/SYSTEM COOLING.  
(Brief description of service for which equipment was designed)

6. Design Conditions 130 Pressure (psi) 100 Temp. (Temperature) °F or Valve Pressure Class N/A (1)
7. Cold Working Pressure N/A psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
TOP CASE	SA-216 GR. WCB		R/S 162885
SERIES CASE	SA-216 GR. WCB		R/S 162882
SUCTION BELL	SA-216 GR. WCB		R/S 154430
STUFF BOX	SA-216 GR. WCB		R/S 47179A
<b>(b) Forgings</b>			
HALE COUPLING	SA-105 GR. 2		R/S 48969

(1) For manually operated valves only.

\* Supplemental sheets in form of list, 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			
STUWS	SA-193 GR. B7		RIS 115041
HEX. HD. CAP SCR.	SA-193 GR. B7		RIS 15037
HEX. NUT	SA-194 GR. 7		RIS 97736
(d) Other Parts			
COL. FLANGE	SA-515 GR. 70		RIS 47948
ELBOW PIPE	SA-515 GR. 70		RIS 153389
THROTTLE SUPPORT	SA-515 GR. 70		RIS 158690
SUPPORT PIPE	SA-106 GR. B		RIS 158885
UPPER FLANGE	SA-515 GR. 70		RIS 158641
LOWER FLANGE	SA-515 GR. 70		RIS 158641
COL. PIPE	SA-515 GR. 70		RIS 158871
COL. PIPE	SA-515 GR. 70		RIS 158870
COL. PIPE	SA-515 GR. 70		RIS 158869

B. Hydrostatic test 200 psi. Disk Differential test pressure NIA psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971.  
 Addenda WINTER 1972 Code Case No. N-146-1 Date 1 OCT. 1982  
 Signed Byron Jackson Pump Div. by C. W. Y. Lane  
 Our ASME Certificate of Authorization No. 1130 to use the N symbol expires 16 JUNE 1984

CERTIFICATION OF DESIGN

Design information on file at Byron Jackson Pump Div.  
 Stress analysis report (Class 1 only) on file at NIA  
 Design specifications certified by (1) STEPHEN A. SHUMAN  
 PE State PENNSYLVANIA Reg. No. PE-30264-E  
 Stress analysis certified by (1) NIA  
 PE State NIA Reg. No. NIA  
 (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 CALIFORNIA and employed by ABB DFG MUTUAL INS. CO. of WALTHAM, MASS. have inspected the pump, or valve, described in this Data Report on Oct. 1<sup>st</sup> 1982 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 October 1<sup>st</sup> 1982  
Mahesh N. Contractor Commissions Calif-1408 Penn-WC 2457  
 (Inspector) (Natl Bd. Slots, Prov. and No.)

CERTIFICATE OF AUTHORIZATION NO. N-1130  
 EXPIRES 16 JUNE 1984  
 BY: C. W. Y. Lane (QA MGR. - BU)  
 DATE: 12/1/1983  
 AND: Mahesh N. Contractor DATE: 1-7-83



FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES (SUPP.)

1. Manufactured By: BYRON JACKSON PUMP DIV. 2300 E. VERNON AVE. VERNON, CALIF. 90058
2. Manufactured For: STONE AND WEBSTER ENG. CORP. BOSTON, MASS. 02107  
SHIPPING PORT BOROUGH
3. Location of Installation: BEAVER VALLEY POWER STATION, PITTSBURGH, PENNSYLVANIA
4. Pump S/N: 731-N-0027
5. SERVICE WATER PUMPS FOR COMPONENT/SYSTEM COOLING.  
(Brief description of service for which equipment was designed)
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<u>(D) OTHER PARTS</u>			
<u>COL. PIPE</u>	<u>SA-515 GR. 70</u>		<u>RS 158867</u>
<u>LOWER FLANGE</u>	<u>SA-515 GR. 70</u>		<u>RS 158642</u>
<u>COL. PIPE</u>	<u>SA-515 GR. 70</u>		<u>RS 158880</u>
<u>LOWER FLANGE</u>	<u>SA-515 GR. 70</u>		<u>RS 158640</u>
<u>COL. PIPE</u>	<u>SA-515 GR. 70</u>		<u>RS 158884</u>
<u>PIPE 1 1/2" SCH. 80</u>	<u>SA-106 GR. B</u>		<u>RS 175450</u>

CERTIFICATE OF AUTHORIZATION NO. 1130  
 EXPIRES: 16 JUNE 1984  
 DATE: 7 20 1983

Our ASME Certificate of Authorization No. 1130 to use Verification Signatures the "N" symbol expires 16 June 1984

Manufacturer: Cl. Stone 1 Oct. 1982

Authorized Nuclear Inspector: Michael N. Cantow, Jr.  
October 1<sup>st</sup> 1982  
Calif. 1408, Penn. WC 2457

**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 7-9-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279 Sheet 1 of 1  
Address

2. Plant Beaver Valley Power Station Unit No. 2  
Name  
Shippingport, PA 15077 MWR# 006919  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by DlCo - Nuclear Construction Type Code Symbol Stamp Not Applicable  
Name Authorization No. "  
Shippingport, PA 15077 Expiration Date "  
Address

4. Identification of System Recirculation Spray (Containment Depressurization)

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 83E-S'83A

6. Identification of Components Required or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Z-RSS-012-003-2	Schneider Power	2SR-13-05-RSS	-	ISO No. 107949	1987	Repaired	Yes

7. Description of Work Replaced bolting on spool piece.

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

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

FORM NIS-2 (Back)

9 Remarks N/A  
 Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed Arnold White Engineer Date July 14 19 92  
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 this Owner's Report during the period March 13, to April 27, 1992 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 Systems

Arnold White Commissions NB 8316 PA 2878  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 17, 1992

**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  
One Oxford Centre - Pittsburgh, PA 15279  
Address

Date 6-22-92  
 Sheet 1 of 6

2. Plant Beaver Valley Power Station  
Name  
Shippingport, PA 15077  
Address

Unit No. 2  
 MWR# 010697  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO - Maintenance  
Name  
Shippingport, PA 15077  
Address

Type Code Symbol Stamp Not Applicable  
 Authorization No. "  
 Expiration Date "

4. Identification of System Service Water

5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda - Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83E-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)
SWM-3-2	Power Piping	N-1141-3974	-	2-SWM-003-3-3	1981	Repaired	Yes

7. Description of Work Weld repaired pinhole leak.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 206 psi Test Temp. 69 °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 N-S form attached. Isometric No. 120727  
Applicable Manufacturer's Data Reports to be Attached

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**CERTIFICATE OF COMPLIANCE**

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

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

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

Signed [Signature] Engineer Date July 14 19 92  
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 this Owner's Report during the period March 23 to June 30, 1992, 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 Systems

[Signature] Commissions NB 8316 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 15, 1992

FORM N-8 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\* 2-SR-30-10-SWM-2  
As Required by the Provisions of the ASME Code Rules, Section III, Division 1

1 Installed by Schnelder Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and address of installer of components, component supports or appurtenances)  
2 Installed for Duquesne Light Company, One Oxford Centre, 301 Grant St., Pittsburgh, PA 15279  
(Name and address of purchaser or owner)  
3 N Certificate Holder having overall responsibility Stone & Webster Engineering Corporation  
4 Location of Installation Seaver Valley Power Station Unit #2, Shippingport, PA 15077  
6 System Identification 2-SR-30-10-SWM-2 N/A Att. 10 Nat'l Bd. No. N/A Year Installed 1987  
(a) Serial No. (CRN) (Drawing No.)

8 Nuclear Components and Appurtenances Installed in the Field by Welding (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holders' Partial Data Reports) E 7870206 (100) 9

(a) Components, or Appurtenances	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
SEE ATTACHMENT (1) "Parts, Components & Appurtenances"					
***NO FURTHER ENTRIES***					

Piping System Installation

(a) Piping Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
SEE ATTACHMENT (2) "Shop Fabricated Large Bore Piping Subassemblies Installed"					
SEE ATTACHMENT (3) "Field Modified Large Bore Subassemblies Installed" N/A					
SEE ATTACHMENT (4) "Shop Fabricated Small Bore Subassemblies Installed" N/A					
SEE ATTACHMENT (5) "Field Modified Small Bore Subassemblies Installed" N/A					
***NO FURTHER ENTRIES***					

Component Support Installation

(a) Component Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept. Load Capac. Data Sheet	(e) Canadian Reg. No.	(f) National Bd. No.	(g) Year Built
Component Supports are Non-Code, due to code effective date. See "Additional Material Excluding Welding Material" for "Component Support Integral Attachment Only".						
***NO FURTHER ENTRIES***						

Additional Material Excluding Welding Material

(a) Name of Manufacturer	(b) Material Specification	(c) Dimensions
SEE ATTACHMENT (6) "Component Support Integral Attachment Only" N/A		
SEE ATTACHMENT (7) "Additional Material"		
***NO FURTHER ENTRIES***		

NOTE: The following shortened company names are used in this report:  
SWEC: Stone & Webster Engr. Corp.  
SPC: Schnelder Power Corp.  
HSBI & I Co.: Hartford Steam Boiler Inspection & Insurance Co.  
PPC: Power Piping Co.

7 (a) Installation in accordance with:  
Procedure or Drawing No. SEE ATTACHMENT (8) "Design Drawings & Revisions"  
Specification SEE ATTACHMENT (9) "Procedures & Specification"  
\*\*\*NO FURTHER ENTRIES\*\*\*

(b) Description of Installation Performed:  
SEE ATTACHMENT (10) "Description of Installation Performed"  
\*\*\*NO FURTHER ENTRIES\*\*\*

(c) Hydrostatic Test  psi. System Working Pressure  psi. and Temp.  °F

\* 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 Data Report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of the form. #SEE SHEET 2 of 10 "CERTIFICATION OF DESIGN..." FOOTNOTE

FORM N-8 (Back)

CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at Stone & Webster Engineering Corporation, Boston, MA  
 Design Report on file at A stress report is not required for Class 2 or 3 piping systems  
 Design specifications certified by (1) A. J. Fiorente PE State Pennsylvania  
 Reg. No. 032366E  
 Design Report certified by (1) A stress report is not req'd PE State N/A  
 Reg. No. for Class 2 or 3 piping systems. #SEE ATTACHMENT (11) "System Working & Design, Pressure  
 (1) Signature not required. List name only  
 Design Conditions of Piping Pressure psi Temperature F. Temperature & Hydrostatic/ Pneumatic Tests.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, 1971 & \* Edition Addenda Data Winter '72 & \* Code Case No. \* Class 2 end was performed in accordance with the documents listed in 7(a), above.  
 U.S. ASME Certificate of Authorization No. N-1824-1 to use the MA Symbol expires 8-12-85 (N. MA) Date 1-30-87  
 Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
 Date 1-30-87 Signed Schneider Power Corporation by [Signature]  
 \*SEE ATTACHMENT (12) "Later Code Editions & Addendas Invoked and Code Cases Invoked"

CERTIFICATE OF INSTALLATION INSPECTION

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 HSB & I Co. of Hartford, CT have inspected the installation of the items described in this Data Report on 1-30-87 and state that, to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the inspector nor his employer make any warranty, expressed or implied, concerning the installation described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 1-30-87 Signed [Signature] (Inspector) Commissions PA 2411A (Nat'l Board, State Province and No.)

CERTIFICATE OF COMPLIANCE

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement. Refer to ATTACHMENT (7) for material responsibilities and ATTACHMENT (11) for pressure test responsibilities.  
 We certify the statements made by this report are correct and that the piping system conforms to the rules of construction of the ASME Code Section III, Division 1.  
 Certificate of Authorization expires 6-18-88 Certificate of Authorization No. N-1513-2  
 Date 2/1/87 Signed Stone & Webster Engr. by [Signature] (N-Certificate Holder)

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB & I Co. of Hartford, Connecticut have inspected the piping described in this Data Report on 2-3-87 and state that to the best of my knowledge and belief the Certificate of Authorization Holder has constructed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the inspector nor his employer make any warranty, expressed or implied, concerning the piping described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 2-3-87 Signed [Signature] (Inspector) Commissions PA 2411A (Nat'l Board, State Province and No.)

A TACHMENT

1. INSTALLED BY: Schneider Power Corp.; 175 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Appurtenances)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15270
3. IN CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shipp. Port, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWM) 2-SR-30-10-SWM-2 YEAR INSTALLED 1987  
(Mfr. Serial No.)

Continued from Sheet 1

PARTS, COMPONENTS, & APPURTENANCES

(A) Item No.	(B) Parts, Components or Appurtenances	(C) Name of Certificate Holder	(D) Serial No.	(E) Canadian Reg. No.	(F) National Bd. No.	(G) Year Built	(H) Isometric & Isometric Item No
1	2SWM*MOV565	XOMOX Corp.	89045L-4	N/A	N/A	1983	120127 (Item#6)
2	2SWM*MOV562	XOMOX Corp.	89045L-1	N/A	N/A	1983	120127 (Item#9)

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A Date 1-30-87 Schneider Power Corp. Signed [Signature]  
PIA Certificate holder  
 Date 1-30-87 [Signature] Commissions PA2411N  
API Signature  
 Date 2/1/87 Stone & Webster Eng. Corp. Signed [Signature]  
API Certificate holder  
 Date 2-9-87 [Signature] Commissions PA33000-1  
API Signature (Year, Month, State and ...)



N-S DATA REPORT  
ATTACHMENT 2

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Assemblies, etc.)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System(SWM)2-SR-30-10-SWM-2 YEAR INSTALLED 1987  
(abbr. Serial No.)

Continued from Sheet 1

SHOP FABRICATED LARGE BORE PIPING SUBASSEMBLIES INSTALLED

(A) Item No.	(B) Piping Subassembly	(C) Name of Certificate Holder	(D) Serial No.	(E) Canadian Reg. No.	(F) National Bd. No.	(G) Year Built	(H) Isometric No.
1	SWM-3-2	Power Piping Co.	N-1141-3974	N/A	N/A	1981	120727
2	SWM-3-3	Power Piping Co.	N-1316-82-6744	N/A	N/A	1981	120727

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet 1A

Date 4-7-87 Schneider Power Corp. Signed [Signature]  
N/A Certificate Holder

Date 1-3-87 [Signature] Commissioned [Signature]  
N/A Signature

Date 1-1-87 Stone & Webster Eng. Corp. Signed [Signature]  
N/A Certificate Holder

Date 2-2-87 [Signature] Commissioned [Signature]  
N/A Signature

N-5 DATA REPORT  
ATTACHMENT 7

1. INSTALLED BY: Schnelder Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Appliances)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15270
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System(SWM)2-SR-30-10-SWM-2 YEAR INSTALLED 1987  
(Mfr. Serial No.)

Continued from Sheet 1

ADDITIONAL MATERIAL

SWEC as the N Certificate Holder accepting overall Code responsibility and subcontracting installation to appropriate NA Certificate Holders retains primary Code responsibility for material purchased by SWEC and provided to installers at Beaver Valley - Unit 2. In satisfying this responsibility, SWEC performs and documents inspections and documentation reviews required to establish Code acceptance of the material. Installers are responsible for verifying SWEC acceptance of the material and for assuring the use of specified, properly identified and undamaged material.

(A) Item No	(B) Isometric No. & Isometric Item No.	(C) Additional Material Identification Including Dimensions	(D) Material Description Specification, Heat No./Heat Code (See Manuf. Data Package for Manuf. Info.)
1	120727 (Item#24)	3/4" STUD BOLT	SA193 GR. B7 N/A
2	120727 (Item#24)	3/4" HEX NUT	SA194 GR. 2H N/A
***NO FURTHER ENTRIES***			

Continued on Sheet N/A Date 1-27-87 Schnelder Power Corp. Signed [Signature]  
NA Certificate Holder  
 Date 1-30-87 [Signature] Commission PA 24114  
API Signature (List Board State and No.)  
 Date 2-1-87 Stone & Webster Eng. Corp. Signed [Signature]  
Professional Engineer  
 Date 2-3-87 [Signature] Commission PA 3000-4  
API Signature (List Board, State and No.)

### N-S DATA REPORT ATTACHMENT B

1. INSTALLED BY: Schneider Power Corp.; 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Apparatuses)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWM) 2-SR-30-10-SW-2 YEAR INSTALLED 1987  
(Unit, Serial No.)

Continued from Sheet 1

#### DESIGN DRAWINGS & REVISIONS

Drawing No. and Rev.	Prepared By	Drawing No. and Rev.	Prepared By
RP-207A-10B	SWEC		
RP-207B-8	SWEC		
RM-47B-20	SWEC		

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A

Date 1-29-87 Schneider Power Corp. Signed [Signature]  
N/A Certificate Holder

Date 1-30-87 [Signature] Commissions PA2711A  
ANI Signature (PA Board, State #18 No.)

Date 1-30-87 Stone & Webster Eng. Corp. Signed [Signature]  
N Certificate Holder

Date 2-3-87 [Signature] Commissions PA 3001-N  
ANI Signature (PA Board, State #18 No.)

N-5 DATA REPORT  
ATTACHMENT B

- 1. INSTALLED BY: Schneider Power Corp., 129 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Accessories)
- 2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15270
- 3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
- 4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
- 5. SYSTEM IDENTIFICATION Service Water System (SWM) 2-SR-30-10-SWM-2 YEAR INSTALLED 1987  
(Dr. Serial No.)

Continued from Sheet 1

PROCEDURES & SPECIFICATIONS

Procedures and Specifications

Prepared By

2BVS-920 REVISION 11 ADDENDUM 3

SWEC

2BVS-939 REVISION 8 ADDENDUM 5

SWEC

SPC NUCLEAR SITE Q.A. MANUAL WITH BV2 ADDENDUM

SPC

SWEC COMPANY QUALITY ASSURANCE AND CONTROL MANUAL,  
ASME, SECTION III, DIVISION 1, WITH 21/BV APPENDIX

SWEC

\*\*\*NO FURTHER ENTRIES\*\*\*

The following specifications have been updated to incorporate the stress reconciled as-installed isometrics, N-5 boundary diagram, and P&IDs and N&Ds that are applicable to this N-5 package. These specification changes do not affect the ASME III Fabrication/Installation within the boundaries of this N-5 package.

- 2BVS-920, Revision 11, Addendum 4
- 2BVS-939, Revision 8, Addendum 11

day 2-1-87 SWEC

Continued on Sheet N/A

Date <u>1/27/87</u>	Schneider Power Corp.	Signed <u>[Signature]</u>
Date <u>1-30-87</u>	<u>[Signature]</u>	Commissions <u>[Signature]</u>
Date <u>2/1/87</u>	Stone & Webster Eng. Corp.	Signed <u>[Signature]</u>
Date <u>2-2-87</u>	<u>[Signature]</u>	Commissions <u>[Signature]</u>

N-5 DATA REPORT  
ATTACHMENT 10

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Installation)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET,  
PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit 2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWM) 2-SR-30-10-SWM-2 YEAR INSTALLED 1987  
(N-5 Serial No.)

DESCRIPTION OF INSTALLATION PERFORMED

Continued from Sheet 1

Drawing No. and Rev.  
120727-3P

Prepared By  
PPC & SPC

Drawing No. and Rev.

Prepared By

\*\*\*NO FURTHER ENTRIES\*\*\*

Revision level Control Drawings designated as "AC" have been reconciled with the control drawing revision listed and have no impact on the ASME III Code fabrication/installation delineated in this N-5 data report.

dg: 2-1-B7 SWFC

Continued on Sheet N/A

Date 1-9-87  
Date 1-30-87  
Date 2-1-87  
Date 2-3-87

Schneider Power Corp.  
N-5 Certificate Holder  
Stone & Webster Eng. Corp.  
N-5 Certificate Holder

Signed [Signature]  
Commissions  
Signed [Signature]  
Commissions

PA 24111  
(N-5 Serial No.)  
PA 24111  
(N-5 Serial No.)

**N-5 DATA REPORT  
ATTACHMENT 11**

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Appliances)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION Service Water System (SWM) 2-SR-30-10-SWM-2 YEAR INSTALLED 1987  
(Mfr. Serial No.)

Continued from Sheet 1 & 2

**SYSTEM WORKING & DESIGN, PRESSURE, TEMPERATURE, & HYDROSTATIC/PNEUMATIC TESTS**

- (A) System Working Pressure and Temperature
- |     |            |               |            |    |
|-----|------------|---------------|------------|----|
| (1) | <u>N/A</u> | PSIG and TEMP | <u>N/A</u> | OF |
| (2) | <u>N/A</u> | PSIG and TEMP | <u>N/A</u> | OF |
| (3) | <u>N/A</u> | PSIG and TEMP | <u>N/A</u> | OF |
- \*\*\*NO FURTHER ENTRIES\*\*\*
- (B) System Design Pressure and Temperature
- |     |            |               |            |    |
|-----|------------|---------------|------------|----|
| (1) | <u>150</u> | PSIG and TEMP | <u>86</u>  | OF |
| (2) | <u>180</u> | PSIG and TEMP | <u>86</u>  | OF |
| (3) | <u>N/A</u> | PSIG and TEMP | <u>N/A</u> | OF |
- \*\*\*NO FURTHER ENTRIES\*\*\*

(C) Hydrostatic Test(s)/Pneumatic Test(s)

SWEC as the N Certificate Holder accepting overall Code responsibility and subcontracting installation. An appropriate NA Certificate Holder's at Beaver Valley - Unit 2, retains Code responsibility for pressure testing and must perform the pressure test to the NA Certificate Holder for items they install.

Test No.	Test Pressure	System Working Pressure & Temp.	System Design Pressure** & Temperature	Test No.	Test Pressure	System Working Pressure & Temp.	System Design Pressure** & Temperature
6235A	188PSIG+9 -0	N/A	150PSIG/ 86°F				
6510A	225PSIG+11 -0	N/A	180PSIG/ 86°F				
<del>***NO FURTHER ENTRIES***</del>							
6495A	188+9 -0	N/A	150PSIG/ 86°F				
<del>***NO FURTHER ENTRIES***</del>							

*Handwritten notes:*  
 2/2/87  
 2/2/87  
 2/4/87  
 2/4/87  
 SWEC  
 per AWS 9-5-87

\*\*In cases where the Manufacturer's Data Reports attached hereto (NPP-1 or N-2) indicate different design conditions, the conditions stated above are valid and supersede the conditions stated on the Manufacturer's Data Reports.

Continued on Sheet N/A

Date <u>1/19/87</u>	<u>Schneider Power Corp.</u>	Signed <u>[Signature]</u>
Date <u>1-30-87</u>	<u>[Signature]</u>	Commissions <u>PA 2411N</u>
Date <u>2/1/87</u>	<u>Stone &amp; Webster Eng. Corp.</u>	Signed <u>[Signature]</u>
Date <u>2-2-87</u>	<u>[Signature]</u>	Commissions <u>PA 2400-N</u>

N-5 DATA REPORT  
ATTACHMENT 12

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222  
(Name and Address of Installer of Parts, Components, and Appliances)
2. INSTALLED FOR: DUQUESNE LIGHT COMPANY, ONE OXFORD CENTRE, 301 GRANT STREET, PITTSBURGH, PENNSYLVANIA 15279
3. N CERTIFICATE HOLDER HAVING OVERALL RESPONSIBILITY: Stone & Webster Engineering Corp.
4. LOCATION OF INSTALLATION: Beaver Valley Power Station, Unit-2, Shippingport, PA 15077
5. SYSTEM IDENTIFICATION: Service Water System (SWM) 2-SR-30-10-SWM-2  
(Mfr. Serial No.)

Continued from Sheet 2

LATER CODE EDITION(S) AND ADDENDA(S) INVOKED, AND CODE CASES INVOKED

Later Edition(s)/Addenda(s) of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, invoked for use during Plant construction. As authorized by the Design Specification, material may have been procured and certified to later Editions/Addenda of the ASME Code. The specific Edition/Addenda to which the material was procured and certified is identified on the Certified Material Test Report or Certificate of Compliance furnished with the material and referenced on Attachment (7) to this N-5 Data Report.

Edition	Addenda	Subsection	Paragraphs	Authorizing Document(s)
1980	winter 1981	NB/NC/ND	4427-1	2BVS-920
1980	Winter 1982	NCA	8000	2BVS-920
1974	Summer 1976	NX	4435	2BVS-920
1980	Summer 1981	NCA	9240(b)	2BVS-920
1974	N/A	NB/NC/ND	3641.1	2BVS-939
1977	Summer 1978	NC/ND	3643.1	2BVS-939
1977	Summer 1978	NC/ND	3643.3	2BVS-939
1983	Summer 1983	Appendix V	N/A	2BVS-920
1974	N/A	ND	4231.2	2BVS-920
1983	N/A	NX	6111	2BVS-920
1980	Summer 1981	NB/NC/ND	6211	2BVS-920

\*\*\*NO FURTHER ENTRIES\*\*\*

Code Case(s) Invoked for installation or testing

Code Case Number	Authorizing Document(s)	Code Case Number	Authorizing Document(s)
N-224	2BVS-920	N-292	2BVS-920
N-275	2BVS-920	1606-1	2BVS-939

\*\*\*NO FURTHER ENTRIES\*\*\*

Continued on Sheet N/A Date 1/18/87 Schneider Power Corp. Signed [Signature]  
N-5 Certificate Holder  
 Date 1-30-87 [Signature] Commissioners [Signature]  
ANI Signature  
 Date 1/18/87 Stone & Webster Eng. Corp. Signed [Signature]  
N-5 Certificate Holder  
 Date 2/3/87 [Signature] Commissioners [Signature]  
ANI Signature

**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: 7-12-92  
Name  
One Oxford Centre - Pittsburgh, PA 15279  
Address

2. Plant Beaver Valley Power Station Sheet 1 of 2  
Name  
Shippingport, PA 15077  
Address Unit No. 2  
 MWR# 906561  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by DLCO - Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. \_\_\_\_\_  
Shippingport, PA 15077 Expiration Date \_\_\_\_\_  
Address

4. Identification of System Safety Injection

5. (a) Applicable Construction Code Section III, 1977 Edition, S'77 Addenda, 1539 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is B3E-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)
2SIS-319	Kerotest	DAP8-13	-	SWT-9909 2"	1981	Repaired	Yes

7. Description of Work: Machined valves plug .004"

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

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 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



FORM NIS-2 (Back)

9 Remarks NPV-1 form attached.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

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

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

Signed *Thomas W. [Signature]* Engineer Date July 14 19 92  
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 this Owner's Report during the period March 13 to March 23, 1992 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 Systems

*[Signature]* Commissions NB 8816 PA 2248  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 17, 1992

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 of 1

\*Corrected Copy

- 1 Manufactured By Kerotest Manufacturing Corp., Pittsburgh, PA 15222 NU-68615 Item 9A  
(Name and Address of N Certificate Holder)  
 2 Manufactured for Duquesne Light Company, P.O. Box 186, Shippensburg, PA 15077  
(Name and Address of Purchaser or Owner)  
 3 Location of Installation Beaver Valley Power Station, Unit # 2  
(Name and Address)  
 4 Pump or Valve valve Nominal Inlet Size 2" Outlet Size 2"  
(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)	GLOBE	DAPB-13	N/A	SW-D-9909-(2)	2	N/A	1981
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5 PIPING SYSTEMS (RADIOACTIVE FLUIDS)  
(Brief description of service for which equipment was designed)

- 6 Design Conditions 2580 psi 650 F or Valve Pressure Class 1500# (1)  
(Temperature)  
 7 Cold Working Pressure 600 psi at 100°F

8 Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			*Correction Changed Manufactured for from Stone & Webster to read Duquesne Light Company
(b) Forgings			
BODY-DAP	SA182, F316	McWilliams Forge	
YOKE-ACAP	SA105	McWilliams Forge	

2257

DUQUESNE LIGHT CO.  
 BEAVER VALLEY POWER STATION - UNIT #2  
 P.O. # 28V-83, (U.S. No. 12241)  
 HERMETICALLY SEALED GLOBE VALVES - CATEGORY 1

(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 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.

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			
NTRC-WA2	SA479, TYPE 316	Joslyn Steels	
ROUNNET-PAS	SA479, TYPE 316	Cardwell	

Hydrostatic test 500 psi. Dist. Differential test pressure 2100 psi.

2258

### 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 1977 Code Case No. 1539 Date 10/15/81  
 Signed Kerocast Manufacturing Corporat.  
(to Certificate holder)  
 Our ASME Certificate of Authorization No. 1902 to use the N symbol expires 6-25-83  
(Date)

### CERTIFICATION OF DESIGN

Design information on file at Kerocast Manufacturing Corp., Pittsburgh, PA  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) Fatuk Gopalani  
 PE State Pennsylvania Reg. No. 21966-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 HSB I&I Company of Hartford, Connecticut have inspected the pump, or valve, described in this Data Report on 6/22/81 1981 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 a loss of any kind arising from or connected with this inspection.

Date 10/13/83  
Michael R. Ginter 19  
 (Inspector) Commissions PA2187  
(Full 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 Name Date 7-12-92  
One Oxford Centre - Pittsburgh, PA 15279 Address Sheet 1 of 1  
 2. Plant Beaver Valley Power Station Name Unit No. 2  
Shippingport, PA 15077 Address MWR #006960  
 Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by DLCo - Maintenance Name Type Code Symbol Stamp Not Applicable  
Shippingport, PA 15077 Address Authorization No. \_\_\_\_\_  
 Expiration Date \_\_\_\_\_

4. Identification of System Chemical and Volume Control  
 5. (a) Applicable Construction Code Section III, 71 Edition 5'72 Addenda 1540-1 Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83E-5'83A

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)
2CHS-7	ITT Grinell	---	---	2-X92D	---	Repaired	Yes
---	Kayro Precision	74-10817-4-28	---	Bonnet	1983	Replacement	No

7. Description of Work: Replaced valves bonnet  
 8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9 Remarks NPV-1 form attached  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NGAM 8.2 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Engineer Date July 21 19 92  
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 this Owner's Report during the period 7/14/92 to 7/22/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer make any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 Systems

[Signature] Commission 10227-1  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/21 19 92

CORRECTED COPY  
5/26/83

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

As Required by the Provisions of the ASME Code Rules

1. Manufactured by ITT Grinnell Valve Co. Inc., Lancaster, PA 17603 Order No. 74-10817-4  
(Name & Address of Manufacturer)
2. Manufactured for Westinghouse Electric Corporation, Pittsburgh, PA Order No. 546-CCA-191013-BN  
(Name and Address)
3. Owner Duquesne Light Company
4. Location of Plant Beaver Valley No. 2, Shippingport, PA DMV
5. Pump or Valve Identification 2" ITT Grinnell Diaphragm Valve, Handwheel Operated  
with Travel Stops  
(Brief description of service for which equipment was designed)

\* (a) Drawing No. SY-102874 Rev A Prepared by ITT Grinnell Valve Co., Inc.

(b) National Board No. WR1415 thru WR1439

6. Design Conditions 300 psi 150 °F  
(Pressure) (Temperature)

\*7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 3  
Edition 1971, Addenda Date Summer 1972, Case No. 1540-1

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
<u>74-10817-4-26 thru 50</u>			
<u>Bodies</u>	<u>ASME SA351</u>	<u>Design Precision</u>	<u>CFR</u>
<u>74-10817-4-26 thru 50</u>			
<u>Bonnets</u>	<u>ASME SA351</u>	<u>Kayro Precision</u>	<u>CFR</u>
<b>Remarks:</b> *5. (a) Corrected Drawing Data. *7. Corrected ASME Class of Valve.			
<b>(b) Forgings</b>			

\* 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.

Part No.	Material Spec. No.	Manufacturer	Remarks
(1) Bolting			
74-10817-4-25 thru 50			
Studs	ASME SA453	Victor Products	Grade 650
74-10817-4-25 thru 50			
Nuts	ASME SA193	V. R. Machine	Grade 90
(2) Cover Parts			
Diaphragm - Grade M	—	Fargo's Corp.	EPT
* Connected to Current Address and Current N-Stamp Number and Expiration Date			

5. Hydrostatic test 450 psi.

CERTIFICATION OF DESIGN

\* Design information on file at: ITT Grinnell Valve Co., Inc., Lancaster, PA 17603  
 \* Stress analysis report on file at: \_\_\_\_\_  
 Design specifications certified by: Louis J. Malandra. (1) Prof. Eng. State PA Reg. No. 13868-E  
 Stress analysis report certified by: LR (1) Prof. Eng. State NA Reg. No. NA  
 (1) Signature not required. List name only.

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

Date May 26 1983 Signed ITT Grinnell Valve By: F. J. Mill  
 (Manufacturer) Co., Inc.

\* Certificate of Authorization No. N-2442-3 expires 4/7/84

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and for the State of Province of Pennsylvania and employed by H.S.B.I. & I. CO. of Eastford, Connecticut have inspected the equipment described in this Data Report of 4-13 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 5-26 1983

R A Wardrop  
 (Inspector)

Commissions NB 5586 P. 1761  
 (National Board, State, Province and No.)

APPENDIX V



**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 by multi-frequency eddy current techniques employing frequencies selected by NED/ISI.

Westinghouse Electric Corporation personnel were used as primary data acquisitioners and analysts. The primary data analysis was performed manually. An independent second party review of all data was performed by Conam Nuclear Inc. using automated data screening techniques.

All examinations/analysis were performed in compliance with the Beaver Valley Power Station Unit #2 Technical Specifications, NRC Regulatory Guide 1.83, the EPRI Steam Generator Examination Guidelines (Rev. 2) and the NED/ISI Steam Generator Analysis Guidelines, ISIEI-8 (Rev. 0).

The bobbin coil probe was used as the primary eddy current examination technique except for the U-bend regions of Rows 1 and 2 where the rotating pancake coil (RPC) probe was utilized. Bobbin coil probe data acquisition speed was 24 inches per second.

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

	S/G "A"	S/G "B"	S/G "C"
NO. OF TUBES EXAMINED	3369	3373	3364
TUBES $\geq$ 40% TW	1	1	0
TUBES $\geq$ 20% TW TO 39% TW	4	7	1
TUBES < 20% TW	0	0	2

% TW = % Through wall

The Westinghouse rotating pancake coil was used to acquire data from all inservice Row 1 and 2 U-bend regions. No degradation was observed. The following table summarizes the results of the Row 1 and 2 U-bend region:

	S/G "A"	S/G "B"	S/G "C"
NO. OF U-BENDS EXAMINED	187	188	188
U-BENDS WITH INDICATIONS	0	0	0

STEAM GENERATOR  
EDDY CURRENT EXAMINATIONS

One hundred percent (100%) of the Distorted Support Plate Signals (DSI's) resulting from the bobbin coil examinations were further evaluated using the Zetec 3-coil RPC probe. The following table summarizes the results of the RPC examination of DSI's: (Note: DSI'S from the previous two outages were in the examination plan and are included in the total.)

	S/G "A"	S/G "B"	S/G "C"
NO. OF DSI'S EXAMINED	217	103	261
NO. OF DSI'S CONFIRMED	0	0	0

The Zetec 3-coil RPC probe was used on a 150 tube random sample of the top-of-tubesheet region in each steam generator. This examination monitors the effectiveness of the shot peening that was performed in this area prior to initial start-up of the unit. The following table summarizes the results of the RPC examination of the top-of-tubesheet region:

	S/G "A"	S/G "B"	S/G "C"
NO. OF TUBES EXAMINED	150	150	150
TUBES WITH INDICATIONS	0	0	0

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

	S/G "A"	S/G "B"	S/G "C"
INDICATIONS $\geq$ 40% TW	1	1	0
ADMINISTRATIVELY PLUGGED*	3	3	3
TOTAL TUBES PLUGGED	4	4	3

NOTE: Of the 3 tubes administratively plugged in S/G "B", 1 was plugged for a 39% TW indication at an AVB location. All remaining tubes administratively plugged were due to dents located at the upper most tube support plate. These dents have been present since the pre-service examinations.

STEAM GENERATOR  
EDC. CURRENT EXAMINATIONS

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

- A) The six (6) remaining B&W roll plugs in S/G "C" cold leg were examined using the Westinghouse RPC probe. No indications were observed in any of the plugs.
- B) A remote visual inspection of the Westinghouse Plug-in-Plug (PIP) retainers was performed in each generator. No indications were observed. ("A"- 4 hot; 4 cold, "B"- 2 hot; 2 cold, "C"- 3 hot; 3 cold).
- C) A remote visual inspection of the nozzle inner radius area in the hot and cold legs of "C" was performed. This examination met the requirements of ASME Section XI (IWA-2211c) and satisfies DLC relief request #BV2-B3.140-1, Rev. 0. No indications were observed.
- D) A loose parts screening of the eddy current data was performed on an area three rows deep around the periphery in each generator. No loose part signals were observed.
- E) A sludge pile profile was performed for each generator of the areas commonly known to exhibit sludge. Sludge lancing was performed in "A" and "C" generators with 75.5 lbs. and 87.5 lbs. of sludge removed respectively. "B" was not sludge lanced due to physical restraints around the secondary side handholes prohibiting installation of the lancing equipment.

APPENDIX VI

FLUX THIMBLE  
EDDY CURRENT EXAMINATIONS

In accordance with NRC Bulletin No. 89-09: "Thimble Tube Thinning in Westinghouse Reactors", all 50 flux thimble tubes were examined to the maximum extent (length) possible employing multi-frequency eddy current techniques. There were no indications of element restrictions noted during the exam nor were any observed when comparing the current exam extents to those of past outages.

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

The table below summarizes the results of the examination:

DEFECT (% TW)	NO. OF TUBES
≥ 60% TW	1 *
50% - 59% TW	2 **
40% - 49% TW	2 ***
30% - 39% TW	3
20% - 29% TW	5
< 20% TW	11
NDD	26

% TW = % through wall

\* - Thimble tube (B-07) was removed from service.

\*\* - 1 of 2 thimble tubes (L-14) was removed from service for continually exhibiting a high wear rate from cycle to cycle. The other thimble tube (N-12) was repositioned.

\*\*\* - 1 of 2 thimble tubes (G-09) was repositioned.

NDD - No Detectable Degradation