

Lew W. Myers
Senior Vice President724-682-5234
Fax: 724-643-8069January 19, 2001
L-01-008

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

**Subject: Beaver Valley Power Station, Unit No. 2
Docket No. 50-412, License No. NPF-73
Eighth Refueling Outage Inservice Inspection Report**

This letter forwards the Inservice Inspection (ISI) Ninety-Day report on ASME Class 1, 2, 3, and MC components examined during the eighth refueling outage at Beaver Valley Unit No. 2. The ASME Boiler and Pressure Vessel Code, Section XI, Article IWA-6230 requires that an inservice inspection report be submitted to the enforcement and regulatory authority having jurisdiction at the plant site within ninety days after completion of an inservice inspection. The recent inservice inspection term at Beaver Valley Unit No. 2 ended on October 24, 2000.

The Class 1, 2 and 3 examinations are part of Interval 2, Period 1 of the Unit No. 1 ISI schedule, and were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition, using Code Case N-408-2 for Class 2 piping welds. The Class MC examinations are part of the initial Containment Inspection Interval, and were performed in accordance with the 1992 Edition, 1992 Addendum of the ASME XI Code.

If you have any questions concerning this matter, please contact Mr. Thomas S. Cosgrove, Manager, Regulatory Affairs at 724-682-5203.

Sincerely,



Lew W. Myers

c: Mr. L. J. Burkhart, Project Manager
Mr. D. M. Kern, Sr. Resident Inspector
Mr. H. J. Miller, NRC Region I Administrator
Mr. J. Payton, Commonwealth of Pennsylvania

A047

BEAVER VALLEY POWER STATION UNIT 2
Route 168, Shippingport, PA

Outage 8, Year 2000

Inspection Term: 4/12/1999 to 10/24/2000

Issue date: 1/17/01

Owner: FirstEnergy Nuclear Operation Company
76 South Main St.
Akron, OH 44308

NRC Docket Number: 50-412

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

Prepared by: [Signature]

Date: 1/9/01

Reviewed by: [Signature]
Supervisor, ISI/IST/Maintenance Rule

Date: 1/11/01

Reviewed by: [Signature]
ANII

Date: 1/17/01

Approved by: [Signature]
Manager, Engineering Technical Support

Date: 1/17/01

**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 FirstEnergy Nuclear Operating Company, Route 168, Shippingport, PA 15077
 (Name and Address of Owner)
 2. Plant Beaver Valley Power Station, Route 168, 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 11/17/87 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	160591B	21669
Pressurizer	Westinghouse	1911	485064V	W18695
2RHS-E21A	Atlas Industrial Co.	215341	485068V	2853
2RHS-P21A	Ingersoll-Dresser	1274-26	N/A	N/A
2RSS-E21A	Joseph Oat	2189-1A	485070V	890
Reactor Coolant Piping	Southwest Fabricating	N/A	N/A	N/A
Auxiliary Piping	Schneider Power	N/A	N/A	N/A

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

This form (E0029) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07008-2300

FORM NIS-1 (Back)

8. Examination Dates 04/12/1999 to 10/24/2000
9. Inspection Period Identification: 11/17/1997 to 12/29/2001
10. Inspection Interval Identification: 11/17/1997 to 08/29/2008
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan: 2TYPP-2, Revision 0
13. Abstract of Examination and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Appendix I (Code Exams) and IA (Limited Exams) for exams performed during the fuel cycle prior to 2R08 and during 2R08. The Code completion percentage requirements for the 1st Period of the 2nd Interval have been fulfilled.
14. Abstract of Results of Examination and Tests. See text of summary report.
15. Abstract of Corrective Measures. No Corrective measures resulting from NDE ISI examinations were required in 2R08.

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) 26-05000 Expiration Date N/A
 Date 1, 9 / 01 Signed FirstEnergy Nuclear Operating Co. By [Signature]
 (Owner)

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 Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 04/12/99 to 10/24/2000 and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Robert Cimoch Commissions NB7509 (N. I.), PA2162
 Inspector's Signature National Board, State, Province and Endorsements
 Date Jan 17, 2001

OUTAGE SUMMARY

During the Eighth Refueling Outage (2R08) at the Beaver Valley Power Station, Unit 2, Inservice Inspection (ISI) examinations were performed on Class 1, 2, 3 and MC components. This was the second outage in the first period of the second ten year interval. Also included in this report and the counts below, are examinations performed prior to 2R08 during plant operation. The examinations were based on ASME Section XI, 1989 Edition. All of the required examinations for the current period have been performed. Appendix IA contains limited examinations that require relief requests. The Code completion percentage requirements have been met without including the limited examinations.

ASME XI Class 1, 2 and 3 Credited Exams (See Appendix D)

1. Eighty-three (83) Class 1 exams were performed and are divided as follows:

a. Welds (piping, and attachments)

Mag Particle Exams	- 1
Penetrant Exams	- 2

b. Reactor Vessel bolting

Ultrasonic Exams	- 19
Mag Particle Exams	- 19
Visual Exams	- 38

c. Visual Examinations

RV interior (VT-1)	- 1
Supports (VT-3)	- 2
Valve body (VT-3)	- 1

2. Sixty-one (61) Class 2 exams were performed and are divided as follows:

a. Welds (vessels, pumps, piping, and attachments)

Ultrasonic Exams	- 15
Penetrant Exams	- 19
Mag Particle Exams	- 2

b. Supports, visual exams - 25

3. Seven (7) visual exams of Class 3 supports were performed and are divided as follows:

a. Supports, visual exams - 4

b. Attachments, visual exams - 3

Examinations were performed by FirstEnergy Nuclear Operating Company (FENOC) and contracted NDE Technicians. Appendix I compiles the examinations that have been credited toward fulfilling the Ten Year Plan requirements. Appendix IA identifies limited coverage examinations that require relief requests. Appendix II lists successive examinations that were required during 2R08.

IWE Containment Examination

The BV-1 Containment Liner and associated components (penetrations, welded attachments, bolting) were examined during 2R08 in accordance with 10CRF50.55a(b)(2)(ix). The general visual found no conditions that affected either the containment structural integrity or leak tightness. Minor deficiencies were reported involving blistering paint and rust spots. These areas did not impact structural integrity and were subsequently cleaned and re-painted. VT-3 examinations were also completed on the moisture barrier and on the bolting removed from the reactor cavity blind flange and the equipment hatch. The moisture barrier and bolting examinations found no unacceptable conditions.

Pressure Testing

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

Deficiency Resolution

There were no ISI non-destructive examination deficiencies in 2R08.

Steam Generator Tube Examination

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

NRC Bulletin 88-09, Flux Thimbles

In accordance with NRC Bulletin No. 88-09, 49 of the 50 available flux thimble tubes were examined using multi-frequency eddy current techniques. Appendix IV contains the results.

NIS-2 Forms

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

APPENDIX I

COMPLETED CODE EXAMINATIONS

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APPENDIX I CODE EXAMS

BVPS-2 2R08 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
=====	=====	=====	=====
** ASME ITEM NUMBER / EXAM CATEGORY: B06.010 B-G-1			
2RCS*REV21-NUT-01	BOLTING	VT00369	
2RCS*REV21-NUT-02	BOLTING	VT00369	
2RCS*REV21-NUT-03	BOLTING	VT00364	
2RCS*REV21-NUT-04	BOLTING	VT00369	
2RCS*REV21-NUT-05	BOLTING	VT00364	
2RCS*REV21-NUT-06	BOLTING	VT00369	
2RCS*REV21-NUT-07	BOLTING	VT00364	
2RCS*REV21-NUT-08	BOLTING	VT00369	
2RCS*REV21-NUT-09	BOLTING	VT00369	
2RCS*REV21-NUT-10	BOLTING	VT00369	
2RCS*REV21-NUT-11	BOLTING	VT00370	
2RCS*REV21-NUT-12	BOLTING	VT00370	
2RCS*REV21-NUT-13	BOLTING	VT00370	
2RCS*REV21-NUT-14	BOLTING	VT00370	
2RCS*REV21-NUT-15	BOLTING	VT00370	
2RCS*REV21-NUT-16	BOLTING	VT00370	
2RCS*REV21-NUT-17	BOLTING	VT00370	
2RCS*REV21-NUT-18	BOLTING	VT00370	
2RCS*REV21-NUT-19	BOLTING	VT00370	
** ASME ITEM NUMBER / EXAM CATEGORY: B06.030 B-G-1			
2RCS*REV21-STUD-01	BOLTING	UT00091	
		MT00118	
2RCS*REV21-STUD-02	BOLTING	UT00090	
		MT00118	
2RCS*REV21-STUD-03	BOLTING	UT00089	
		MT00118	
2RCS*REV21-STUD-04	BOLTING	UT00088	
		MT00118	
2RCS*REV21-STUD-05	BOLTING	UT00087	
		MT00118	
2RCS*REV21-STUD-06	BOLTING	UT00086	
		MT00118	
2RCS*REV21-STUD-07	BOLTING	UT00085	
		MT00118	
2RCS*REV21-STUD-08	BOLTING	UT00084	
		MT00118	
2RCS*REV21-STUD-09	BOLTING	UT00083	
		MT00118	
2RCS*REV21-STUD-10	BOLTING	UT00082	
		MT00118	
2RCS*REV21-STUD-11	BOLTING	UT00081	
		MT00120	
2RCS*REV21-STUD-12	BOLTING	UT00080	
		MT00120	
2RCS*REV21-STUD-13	BOLTING	UT00079	

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APPENDIX I CODE EXAMS

BVPS-2 2R08 NINETY DAY REPORT

COMPONENT IDENTIFICATION =====	COMPONENT DESCRIPTION =====	NDE REPORT NUMBER =====	OUTAGE REMARKS =====
2RCS*REV21-STUD-14	BOLTING	MT00120 UT00078 MT00120	
2RCS*REV21-STUD-15	BOLTING	UT00077 MT00120	
2RCS*REV21-STUD-16	BOLTING	UT00076 MT00120	
2RCS*REV21-STUD-17	BOLTING	UT00075 MT00120	
2RCS*REV21-STUD-18	BOLTING	UT00074 MT00120	
2RCS*REV21-STUD-19	BOLTING	UT00073 MT00120	
** ASME ITEM NUMBER / EXAM CATEGORY: B06.050 B-G-1			
2RCS*REV21-WASHER-01	BOLTING	VT00371	
2RCS*REV21-WASHER-02	BOLTING	VT00371	
2RCS*REV21-WASHER-03	BOLTING	VT00364	
2RCS*REV21-WASHER-04	BOLTING	VT00371	
2RCS*REV21-WASHER-05	BOLTING	VT00364	
2RCS*REV21-WASHER-06	BOLTING	VT00371	
2RCS*REV21-WASHER-07	BOLTING	VT00364	
2RCS*REV21-WASHER-08	BOLTING	VT00371	
2RCS*REV21-WASHER-09	BOLTING	VT00371	
2RCS*REV21-WASHER-10	BOLTING	VT00371	
2RCS*REV21-WASHER-11	BOLTING	VT00372	
2RCS*REV21-WASHER-12	BOLTING	VT00372	
2RCS*REV21-WASHER-13	BOLTING	VT00372	
2RCS*REV21-WASHER-14	BOLTING	VT00372	
2RCS*REV21-WASHER-15	BOLTING	VT00372	
2RCS*REV21-WASHER-16	BOLTING	VT00372	
2RCS*REV21-WASHER-17	BOLTING	VT00372	
2RCS*REV21-WASHER-18	BOLTING	VT00372	
2RCS*REV21-WASHER-19	BOLTING	VT00372	
** ASME ITEM NUMBER / EXAM CATEGORY: B09.011 B-J			
2RCS-081-F01	PIPE WELD	UT00071	PT IN 2R07, UT IN 2R08.
2RCS-081-1A	PIPE WELD	UT00072	PT IN 2R07, UT IN 2R08.
** ASME ITEM NUMBER / EXAM CATEGORY: B10.010 B-K			
2RCS*PRE21-WL-1	INTEGRAL ATTACHMENT LUG	PT00055	
** ASME ITEM NUMBER / EXAM CATEGORY: B12.050 B-M-2			
2RCS-RV551-01-0010	VALVE BODY RV - 6"	VT99257	EXAM PERFORMED AT WYLE.
** ASME ITEM NUMBER / EXAM CATEGORY: B13.010 B-N-1			
2RCS*REV21-INT	VESSEL INTERIOR	VT00	

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APPENDIX I CODE EXAMS

BVPS-2 2R08 NINETY DAY REPORT

COMPONENT IDENTIFICATION =====	COMPONENT DESCRIPTION =====	NDE REPORT NUMBER =====	OUTAGE REMARKS =====
** ASME ITEM NUMBER / EXAM CATEGORY: C03.010 C-C			
2RHS*E21A-A-1	WELDED ATTACHMENT FOR WS-1	PT00058	
2RSS*E21A-A-2	WELDED ATTCHMENT FOR WS-1	PT00052	
** ASME ITEM NUMBER / EXAM CATEGORY: C03.020 C-C			
2FWS-022-F-801	WELDED ATTACHMENT FOR 2FWS-PSST185	MT00100	
** ASME ITEM NUMBER / EXAM CATEGORY: C03.030 C-C			
2RHS*P21A-A-1	WELDED ATTCHMENT FOR WS-1	PT00056	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.011 C-F-1			
2RHS-6 -12A	BUTT WELD	UT00067	
		PT00050	
2RHS-6 -12B	BUTT WELD	UT00068	
		PT00050	
2RHS-6 -12C	BUTT WELD	UT00069	
		PT00050	
2RHS-6 -12D	BUTT WELD	UT00070	
		PT00050	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.021 C-F-1			
2CHS-72 -1A	BUTT WELD	UT99065	
		PT99056	
2CHS-70 -6A2E	BUTT WELD	UT99064	
		PT99057	
2CHS-72 -5A1C	BUTT WELD	UT00095	
		PT99058	
2CHS-72 -6A1A1B	BUTT WELD	UT99071	
		PT99069	
2SIS-91 -1BB	BUTT WELD	UT99066	
		PT99059	
2SIS-88 -1A1B	BUTT WELD	UT99069	
		PT99064	
2SIS-094-F03	BUTT WELD	UT99070	
		PT99065	
2SIS-088-F14	BUTT WELD	UT00092	
		PT00062	
2SIS-96 -1A	BUTT WELD	UT99067	
		PT99061	
2SIS-94 -11D	BUTT WELD	UT99068	
		PT99062	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.030 C-F-1			
2CHS-124-306-F538	SOCKET WELD	PT99067	
2CHS-095-F01	SOCKET WELD	PT99063	

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APPENDIX I CODE EXAMS

BVPS-2 2R08 NINETY DAY REPORT

COMPONENT IDENTIFICATION =====	COMPONENT DESCRIPTION =====	NDE REPORT NUMBER =====	OUTAGE REMARKS =====
** ASME ITEM NUMBER / EXAM CATEGORY: C05.051 C-F-2			
2FWS-22 -2B	BUTT WELD	UT00094 MT00101	
** ASME ITEM NUMBER / EXAM CATEGORY: D01.010 D-A			
2RHS*E21A-A-3	WELDED ATTACHMENT FOR WS-3	VT00363	
2RHS*E22A-A-1	WELDED ATTACHMENT FOR WS-1	VT00354	
** ASME ITEM NUMBER / EXAM CATEGORY: D01.020 D-A			
2CCP-332-F-504	WELDED ATTACHMENT FOR 2CCP-PSA033	VT99237	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20A F-A			
2CHS-PSA148	SUPPORT	VT99240	
2CHS-PSA018	SUPPORT	VT99251	
2CHS-PSA290F	SUPPORT	VT99242	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20R F-A			
2CHS-PSR146	SUPPORT	VT99243	
2CHS-PSR147	SUPPORT	VT99240	
2CHS-PSR151	SUPPORT	VT99241	
2CHS-PSR015Y	SUPPORT	VT99251	
2CHS-PSR082R	SUPPORT	VT99250	
2CHS-PSR017Y	SUPPORT	VT99247	
2CHS-PSR318	SUPPORT	VT99244	
2CHS-PSR323	SUPPORT	VT99253	
2CHS-PSR217R	SUPPORT	VT99245	
2RHS-PSR510X	SUPPORT	VT00317	
2SIS-PSR318Y	SUPPORT	VT00316	
2SIS-PSR019	SUPPORT	VT99252	
2SIS-PSR018	SUPPORT	VT99252	
2SIS-PSR057	SUPPORT	VT99238	
2SIS-PSR321S	SUPPORT	VT99239	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20S F-A			
2FWS-PSSH007	SUPPORT	VT99233	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20T F-A			
2MSS-PSST004	SUPPORT	VT00341	
2FWS-PSST185	SUPPORT	VT00341	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30A F-A			
2CCP-PSA033	SUPPORT	VT99237	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30R F-A			
2CCP-PSR045Y	SUPPORT	VT99263	
2CCP-PSR302X	SUPPORT	VT99234	

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APPENDIX I CODE EXAMS

BVPS-2 2R08 NINETY DAY REPORT

COMPONENT IDENTIFICATION =====	COMPONENT DESCRIPTION =====	NDE REPORT NUMBER =====	OUTAGE REMARKS =====
** ASME ITEM NUMBER / EXAM CATEGORY: F01.40E F-A			
2RHS*E21A-WS-1	FOOT SUPPORT # 1 (4 GUSSET PLATES)	VT00358	
2RHS*E21A-WS-2	FOOT SUPPORT # 2 (4 GUSSET PLATES)	VT00355	
2RHS*P21A-WS-1	PUMP SUPPORT	VT00356	
2RHS*P21A-WS-2	PUMP SUPPORT	VT00356	
2RHS*E21A-WS-3	UPPER SUPPORT RESTRAINT ASSEMBLY	VT00353	
2RCS*REV21-SUP21	NEUTRON SHIELD TANK	VT00303	
2RHS*P21A-WS-3	PUMP SUPPORT	VT00356	

APPENDIX IA

LIMITED CODE EXAMINATIONS

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APPENDIX 1A LIMITED EXAMS

BVPS-2 2R08 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS

** ASME ITEM NUMBER / EXAM CATEGORY: C05.011 C-F-1			
2SIS-001-F-501	BUTT WELD	UT00093 PT00054	LIMITED UT (62.85%) COVERAGE.
** ASME ITEM NUMBER / EXAM CATEGORY: C05.021 C-F-1			
2CHS-072-F09	BUTT WELD	UT00097 PT99070	LIMITED UT (85.85%) COVERAGE.
2CHS-124-F416	BUTT WELD	UT99072 PT99066	LIMITED UT, 56% COVERAGE.
2SIS-098-F01	BUTT WELD	UT00096 PT99068	LIMITED UT (85.85%) COVERAGE.

APPENDIX II

SUCCESSIVE EXAMINATIONS

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APPENDIX II SUCCESSIVE EXAMS

BVPS-2 2R08 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
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** ASME ITEM NUMBER / EXAM CATEGORY: F01.10S F-A

2RCS-PSSH052

SUPPORT

VT99232 SUCCESSIVE EXAM.

VT00347

2RCS-PSSH046

SUPPORT

VT99232 SUCCESSIVE EXAM.

APPENDIX III

STEAM GENERATOR EDDY CURRENT EXAMINATIONS

APPENDIX III

2R08 STEAM GENERATOR EDDY CURRENT EXAMINATION SUMMARY

All examinations/analysis were in compliance with the Beaver Valley Power Station Unit 2 Technical Specifications, NRC Regulatory Guide 1.83, the EPRI PWR Steam Generator Tube Examination Guidelines (Rev. 5) and Life Cycle Management procedure ISIE1-8 (Rev. 6) "Unit #2 Steam Generator Examination Guidelines".

Westinghouse personnel performed primary data acquisition and analysis. An independent review of all data was performed by Zetec, Inc. Oversight of the analysis process was performed by APTECH Engineering. All analysts were required to pass a site specific performance demonstration prior to analyzing eddy current data from the current outage.

100% of the inservice tubes from Rows 3 through 46 in Steam Generators 2RCS-SG21A, -SG21B and -SG21C were examined full length with bobbin coil probes. In-service tubes in Rows 1 and 2 were examined with bobbin coil probes through the upper most tube support plate in each leg. Bobbin coil data acquisition speed was 40 inches per second.

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

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
NO. OF TUBES EXAMINED	3288	3295	3285
TUBES W/PLUGGABLE INDICATIONS	3	0	0

The U-bend regions of the tubes in Rows 1 and 2 were examined with single coil Plus Point probes. A 20% random sample of the Row 3 U-bend region was also examined with single coil Plus Point probes. Mid-range & high frequency Plus Point probes were used for these low row U-bend examinations. The following table summarizes the results of the U-bend region:

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
NO. OF U-BENDS EXAMINED	217	217	222
TUBES W/PLUGGABLE INDICATIONS	0	2	0

Three coil Plus Point probes were used to examine 100% of the hot leg top of tubesheet region in each steam generator. The following table summarizes the results of the hot leg top of tubesheet examination:

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
NO. OF TUBES EXAMINED	3288	3295	3285
TUBES W/PLUGGABLE INDICATIONS	10	17	6

Three coil Plus Point probes were used to examine 100% of the Distorted Tube Support Plate Signals (DSI's) in each steam generator. The following table summarizes the results of the DSI examination:

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
NO. OF DSI's EXAMINED	79	132	65
TUBES W/PLUGGABLE INDICATIONS	0	1	0

Three coil Plus Point probes were also used to examine the following areas. No pluggable indications were observed.

- (a) distorted or ambiguous free span bobbin signals,
- (b) 20% of dents & free-span dings ≥ 2.00 volts but < 5.00 volts located between the top of the hot leg tubesheet and the third hot leg support plate.
- (c) 100% of the dents ≥ 5.00 volts, located at tube support plate intersections.

APPENDIX III (cont'd)

2R08 STEAM GENERATOR EDDY CURRENT EXAMINATION SUMMARY

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

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
Tubes previously removed from service prior to 2R08:	88	81	91
Number of tubes removed from service 2R08:	18	20	6
Circumferential Indications @ Hot Leg Tubesheet	7	10	4
Axial Indications @ Hot Leg Tubesheet	2	3	1
*Axial & Circumferential Indications @ Hot Leg Tubesheet	0	1	1
Volumetric Indication @ Hot Leg Tubesheet	1	3	0
Non Quantifiable Indication @ Hot Leg Tubesheet	1	0	0
Volumetric Indication @ Cold Leg Tube End (+16.10")	1	0	0
Volumetric Indications @ TSP 1C (Loose Parts)	4	0	0
Confirmed Distorted Support Plate Indication @ TSP 2H	0	1	0
AVB Wear (AVB 2)	1	0	0
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Administratively Plugged (3 tubes)</div> { <div style="display: inline-block; vertical-align: middle;"> Row 1/Row 2 U-bend Indications Tube Restricted in Row 1 U-Bend Region </div>	0	2	0
	1	0	0
Number of tubes removed from service after 2R08	106	101	97

* - These are not Mixed Mode indications. They lie at different elevations axially as well as circumferentially.

In addition to the required examinations, several additional items are noted below:

- A) Remote visual examinations of the Westinghouse Plug-in-Plug (PIP) retainers was performed in 2RCS-SG21A (4 hot; 4 cold), 2RCS-SG21B (2 hot; 2 cold) and 2RCS-SG21C (3 hot, 3 cold) generators. No indications were observed.
- B) A loose parts screening of the eddy current data was performed on an area 3 rows deep around the periphery in each generator. No loose parts were reported in this area. 4 tubes in 2RCS-SG21A were stabilized/plugged for loose part indications at the 1" cold leg TSP.
- C) A sludge pile profile was performed for each generator of the areas commonly known to exhibit sludge. Sludge lancing was performed in 2RCS-SG21A (34 lbs removed), 2RCS-SG21B (43 lbs removed) & 2RCS-SG21C (35 lbs removed).
- D) Based on the indications observed during this examination, in-situ pressure testing was not required. However, in light of recent industry events, 2 tubes were tested. No leakage or burst was observed.
- E) A 20% sample of Babcock & Wilcox Inconel 690 hot leg rolled plugs were examined with a single coil Plus Point probe. No indications were observed.

APPENDIX IV

FLUX THIMBLE EDDY CURRENT EXAMINATIONS

APPENDIX IV

2R08 FLUX THIMBLE EDDY CURRENT EXAMINATIONS

In accordance with NRC Bulletin No. 88-09: "Thimble Tube Thinning in Westinghouse Reactors", 49 of the 50 available flux thimble tubes were examined to the maximum extent (length) possible employing a .188" diameter bobbin probe and utilizing multiple frequencies selected by First Energy Nuclear Operating Company. One flux thimble (B-7) was not examined due to the location being capped.

The eddy current method utilized during this examination to report the depth (percent through wall - %TW) of wear (thinning) indications assumes the indications have a circumferential extent of approximately 90 degrees. An outside diameter mix (300/140 kHz) was established to reduce the influence from surrounding conductive structures. All indications were reported using this mix or the prime frequency channel based on analyst discretion.

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

The table below summarizes the results of the examination:

DEFECT (% TW)	NO. OF TUBES
50% - 59% TW	2
40% - 49% TW	2
30% - 39% TW	9
20% - 29% TW	9
< 20% TW	8
NDD	18
Restricted (#B-10)	1
Out of Service (#B-7)	1

NDD - No Detectable Degradation

Locations B-7 & B-10 remain out of service for Cycle 9

APPENDIX V

REPAIR/REPLACEMENT ABSTRACT AND NIS-2 FORMS

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>MARK NUMBER</u>	<u>WORK ORDER NO.</u>	<u>COMMENTS</u>
1156	2SWS-STRM48	98-074776-000	Repair
1161	2FWE-SOV100B	99-207629-001	Repair
1164	2HVR-ACU207A	99-213400-000	Replacement
1165	2SVS-PCV101C	99-213922-000	Replacement
1166	2SWS-488	99-214073-000	Replacement
"	"	99-076900-002	"
1167	2SWS-486	99-076900-000	Replacement
"	"	99-076900-002	"
1168	2SWS-487	99-076901-000	Replacement
"	"	99-076900-002	"
1176	2SWS-RQI100A	99-211891-003	Repair
1195	2RCS-PCV456	99-216133-000	Replacement
1196	2RCS-PCV455D	99-216134-000	Replacement
"	"	99-216134-016	"
1197	2RCS-RV551B	99-206709-000	Replacement
1198	2MSS-17	99-221039-002	Replacement
"	"	99-221039-004	"
1199	2RCS-50	99-221084-003	Replacement
1203	2SSR-RV134	99-221537-000	Replacement
1204	2RCS-RV551B	99-206709-005	Replacement
1206	2SWS-EJM222C	99-224049-000	Replacement
1207	2SWS-483	99-224273-000	Repair
1295	2CCP-105	99-217019-000	Repair
1317	2FNC-109	00-00109-000	Repair
"	"	00-00109-002	"
1323	2-SWS-004-762-3	DCP-2385	Replacement
"	2-SWS-004-763-3	"	"
"	2-SWS-004-768-3	"	"
"	2-SWS-004-773-3	"	"
1327	2-SWS-004-191-3	00-004301-003	Replacement
1328	2CHS-1	98-074177-000	Replacement
1329	2RCS-50	99-221084-005	Replacement
1330	2RCS-RV551A	99-216603-003	Replacement
1331	2RCS-PCV456	99-218303-000	Replacement
1332	2RCS-PCV455C	99-218301-000	Replacement
1333	2RCS-PCV455D	99-218302-000	Replacement
1334	2SIS-FE982	99-223059-001	Replacement
1335	2SIS-FE985	99-077730-000	Replacement
1338	2EGO-36	00-021517-000	Repair
1339	2EGO-65	00-021519-000	Repair
1340	2SVS-80	99-215388-000	Replacement
1341	2SVS-81	99-215389-000	Replacement
1342	2FWE-42A	99-215390-000	Replacement
1343	2FWE-42B	99-215391-000	Replacement

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>MARK NUMBER</u>	<u>WORK ORDER NO.</u>	<u>COMMENTS</u>
1344	2FWE-43A	99-213678-000	Replacement
1345	2FWE-43B	99-213712-000	Replacement
1346	2FWE-44A	99-215439-000	Replacement
1347	2FWE-44B	99-215440-000	Replacement
1348	2RSS-E21D	99-218646-002	Replacement
1349	2SWS-716	99-077873-000	Replacement
1351	2CHS-AOV200C	00-023380-000	Replacement
1352	2SWS-79	97-068214-000	Replacement
1353	2RHS-15	99-077735-000	Replacement
1354	2CHS-484	99-223150-000	Replacement
1355	2FWE-99	97-067746-000	Replacement
1356	2FWE-101	97-067747-000	Replacement
1357	2FWS-FCV478	99-215853-000	Replacement
1358	2FWS-FCV488	99-215854-000	Replacement
1359	2FWS-FCV498	99-215855-000	Replacement
1360	2-SWS-003-182-3	00-025561-000	Repair
1362	2RHS-PSSP003	00-021318-000	Replacement
1363	2RHS-PSSP008B	99-218580-000	Replacement
1364	2SIS-PSSP209B	99-218581-000	Replacement
1365	2SIS-PSSP449B	99-218582-000	Replacement
1366	2RCS-PSSP010A	99-218586-000	Replacement
1367	2RCS-PSSP026A	99-218588-000	Replacement
1368	2SWS-PSSP771Y	99-218590-000	Replacement
1369	2SWS-PSSP772B	99-218595-000	Replacement
1370	2RHS-PSSP521X	99-218597-000	Replacement
1371	2RHS-PSSP008A	99-218608-000	Replacement
1372	2SIS-PSSP209A	99-218612-000	Replacement
1373	2SIS-PSSP449A	99-218613-000	Replacement
1375	2RCS-PSSP006A	00-021314-000	Replacement
1376	2CCP-PSSP317A	00-021313-000	Replacement
1377	2MSS-PSSP476	00-021409-000	Replacement
1378	2MSS-PSSP456	00-021408-000	Replacement
1379	2SWS-PSSP770B	00-021748-000	Replacement
1380	2SWS-PSSP832A	00-021324-000	Replacement
1381	2CCP-PSSP317B	00-021744-000	Replacement
1382	2RCS-PSSP022X	00-021746-000	Replacement
1383	2RCS-PSSP030X	00-021909-000	Replacement
1384	2RCS-PSSP894	00-021743-000	Replacement
1385	2MSS-PSSP103	00-021394-000	Replacement
1386	2RCS-SG21A	P.O. 7024829	Repair/Replacement
1387	2RCS-SG21B	P.O. 7024829	Repair/Replacement
1388	2RCS-SG21C	P.O. 7024829	Repair/Replacement

Form No. 1156

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

1. Owner F.E.N.O.C. Date 03-26-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 98-074776-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Service Water (Class 3)
5. (a) Applicable Construction Code Section III 19 77 Edition, S'77 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Strainer	ZURN Industries	9810	41	2SWS-STRM48	1982	Repaired	Yes

7. Description of Work Weld repaired eroded/corroded areas inside of strainer body.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Weld repaired eroded/corroded areas inside of the strainer
body to allow cage and bearings to operate properly.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *Robert C. Smith* Senior Eng. Date March 26, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 12/30/99 to 4/1/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert C. Smith Commissions NB 7509 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 1, 20 00

1. Manufactured by Zurn Industries, Inc., Fluid Handling Division 901 West 12th St., Erie,
(Name and address of Manufacturer)
2. Manufactured for Duquesne Light Company, Shippingport, Beaver County, PA
(Name and address of Purchaser)

3. Type VERT Vessel No. (9810) (N/A) Natl. Bd. No. 41 Year Built 1982
(Horiz. or Vert.) (Mfrs. Serial) (State & State No.)

3a. Applicable ASME Code: Section III, Edition 1977, Addenda date Sum '77, Case No. N/A Class 3
SA216

4. Shell: Material GR-WCB T.S. 70,000 7/16 n. Allow. 125 9-5/8
(Kind & Spec. No.) (Min. of range specified) In. Dia. 0 Ft. In. Length 1 Ft. 7/8 In.

5. Seams: Long N/A H.T. N/A R.T. N/A Efficiency N/A %

Girth N/A H.T. N/A R.T. N/A No. of Courses N/A
6. Heads: (a) Material SA216-GR-WCB T.S. 70,000 (b) Material SA216-GR-WCB T.S. 70,000
SA216 6-16-83

Location (Top, bottom, ends)	Thickness	Radius	Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) TOP	.750	N/A	N/A	N/A	N/A	N/A	10.125	N/A
(b) BOTTOM	.6875	N/A	N/A	N/A	N/A	N/A	8.75	N/A

If removable, bolts used SA193-GRB7* Other fastening SA194-GR2H (8), 4-13 NUT
*T.S.: 125,000 (Material, Spec. No., T.S., Size, Number) Drop Weight N/A (Describe or Attach Sketch)
QTY.: 8 SIZE 4-13 Charpy impact N/A (lb) Pneumatic or } Test
Hydrostatic } Press 230 psi.

7. Design Pressure 153 psi at max. temp. 100 F. at temp. N/A of Combination Press 230 psi.

8. Safety or Relief Valve Outlets: Number N/A Size N/A Location ELSEWHERE IN SYSTEM

9. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Dia. or Size	Type	Material	Thickness	Reinforcement	How Attached
INLET/OUTLET	2	3"	FLANGED	SA216-GR-WCB	.4375	INTEGRAL	CAST
DRAIN/BACKWASH	2	1"	THREADED	SA216-GR-WCB	N/A	INTEGRAL	CAST

10. Inspection Manholes, No. N/A Size N/A Location N/A
Openings: Handholes, No. 1 Size 7" Location TOP HEAD REMOVABLE
Threaded, No. N/A Size N/A Location N/A

11. Supports: Skirt YES Lugs 0 Legs N/A Other N/A Attached BOTTOM-BOLTED
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. Remarks: SERVICE WATER SELF-CLEANING STRAINERS, FORM N-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCE SERIAL NUMBER AR132-2 ALSO APPLIES.

(Brief description of purpose of the vessel—State Contents.)

1. Postweld Heat-Treated.

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

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 Jan. 27, 1982 Signed FLUID HANDLING DIVISION By [Signature]
(Manufacturer)

Certificate of Authorization Expires NOVEMBER 8, 1987 Certificate of Authorization No. N-1555

CERTIFICATION OF DESIGN

Design information on file at DUQUESNELIGHTCOMPANY, SHIPPINGPORT, BEAVER COUNTY, PA
Stress analysis report on file at DUQUESNELIGHT COMPANY, SHIPPINGPORT, BEAVER COUNTY, PA
Design specifications certified by FRANK A. GOPALANI Prof. Eng. State PA Reg. No. 21966-E
Stress analysis report certified by IRA H. SCHNALL Prof. Eng. State PA Reg. No. 20034-E

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY ZURN INDUSTRIES, INC., FLUID HANDLING DIVISION ERIE, PA

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.C. of HARTFORD, CT

have inspected the pressure vessel described in this Manufacturer's Data Report on 1/27 1982, 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 1/27/82 Commissions ND 4446 - PA 880
[Signature] National Board, State, Province and No.

Form No. 1161

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 08-23-99
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 99-207629-001
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Alternate Feedwater (Class 3)
5. (a) Applicable Construction Code Section III 19 80 Edition, S'81 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Target Rock	2	N/A	2FWE-SOV100B	1984	Repaired	Yes

7. Description of Work Re-tack welded valve body to bonnet after disassembly for maintenance.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F *N/A

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Tack welded valve bonnet to body following disassembly
for maintenance.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date August 24th, 19 99
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
Waltham, Massachusetts have inspected the components described in the
Owner's Report during the period 5/24/99 to 8/26/99, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Aug 26, 19 99

Mark No.	Material Spec. No.	Manufacturer	Part No.
(c) Bolting			
(d) Other Parts			
Bonnet	ASME SA 479 316	Universal Cyclops	
Disc	ASME SA 564 GR 630 17-4 PH	Universal Cyclops	
Indicator Tube	ASME SA 479 316	Incl. Stainless Steel	
Seat Insert	ASME SA 479 316L	Carpenter Tech.	

8. Hydrostatic test 350 psi. Dist. Differential test pressure 260 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 1980.

Assemble SUMMER 1981 Code Case No. Date

Signed Target Rock Corporation by R. P. Puchan 6/12/84
(In Certificate Holder's Name)

Our ASME Certificate of Authorization No. 1947 for G. Abruzzo, Mgr. of Quality
to use the N symbol expires 12/9/86
Date

CERTIFICATION OF DESIGN

Design information on file at Target Rock Corporation

Stress analysis report (Class 1 only) on file at

Design qualifications certified by (1) K.P. Pfeiffer, John F. Barkin
PE State CT, PA Reg. No. 9805, 30388-2

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 New York and employed by Commercial Union Ins. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 6/13 19 84, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed 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 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.

William C. Puchan 6/13/84
Commissioner NEW YORK STATE COMMISSION NO. 2223
C/O COMMERCIAL UNION INS. CO. & CO.
(Printed State Name and No.)

Form No. 1164

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 08-25-99
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-213400-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Heating & Ventilation (Class 3)

5. (a) Applicable Construction Code Section III 19 74 Edition, W'74 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Heat Exchanger	Aerofin	960613	772	2HVR-ACU207A	1996	Repaired	Yes
Bolt	Nova Machine	N/A	N/A	Ht #16174 Ht Code W3Q	1996	Replacement	No

7. Description of Work During cleaning activities on heat exchanger, three bolts were replaced.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No. 911.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Semi-Eng. Date August 25th, 19 99
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 Waltham, Massachusetts have inspected the components described in the Owner's Report during the period 7/27/99 to 10/25/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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

F M I C
Commissions NB7504(N,I)PA2162
National Board, State, Province, and Endorsements

Date Oct 25,, 19 99

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

Pg. 1 of 1

1. Manufactured and certified by: AEROPIN CORPORATION, 14621 MURRAY BLVD., LINDSEY, CA 94511
(Name and address of Manufacturer)
2. Manufactured for: DUELLENE LIGHT COMPANY, BEAVER VALLEY STATION, SHIPPENSBURG, PA 16151
(Name and address of Purchaser)
3. Location of installation: DUELLENE LIGHT COMPANY, BEAVER VALLEY STATION, SHIPPENSBURG, PA 16151
(Name and address)
4. Type: HORIZONTAL HEAT EXCHANGER 960613 --- NR-1006 772 1974
(Heat exchanger) (Jacketed heat ex.) (Cert. holder's serial no.) (CPN) (Drawing no.) (Mat. spec. no.) (Year built)
5. ASME Code, Section III, Division 1: 1974 1974 WINTER 3 ---
(edition) (Addenda date) (Class) (Code Case no.)

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

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

Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)
(a) <u>ENDS</u>	<u>.3125"</u>	<u>FLAT</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>2" X 7"</u>	<u>---</u>
(b) <u>SIDES</u>	<u>.3125"</u>	<u>FLAT</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>2" X 5"</u>	<u>---</u>

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

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

Items 11 and 12 to be completed for tube sections.

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

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

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

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

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

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

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

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

Certificate Holder's Serial No. 960613

17. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Quantity	Size or Size	Type	How Attached	Mat'l.	Thickness	Reinforcement Material	Location
INLET	1	3" NPS TO 2" NPS	REDUCING	WELDED	SA-192	150 LB	N/A	END
OUTLET	1	3" NPS TO 2" NPS	REDUCING	WELDED	SA-192	150 LB	N/A	END
VENT DRAD.	1	3" NPS	S.S. PLUG THREADED	WELDED	SA-192	.375"	N/A	END
					IF-304			

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

19. Remarks: AEROFIN SO# 960322- 001
 MARKS: 2HVR*ACU207 A

**HEADS MACHINED INTEGRAL TO TUBE SHEET

CERTIFICATION OF DESIGN

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

CERTIFICATE OF SHOP COMPLIANCE

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

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

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA and employed by *ALLENDALE MUTUAL INSURANCE

of NORWOOD, MA have inspected the component described in this Data Report on 7-16-96 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1.

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

Date 7-16-96 Signed Matthew V. Pollock Commissions VA 710, NB 9055N
*FACTORY MUTUAL ENGRG ASSOC (Authorized Inspector) (Nat'l. Bd. Incl. endorsement and state or prov. and no.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

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

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

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by _____

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

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

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

Form No. 1165

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

1. Owner Duquesne Light Company
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279
(ADDRESS)

Date 12-08-99

Sheet 1 of 3

2. Plant Beaver Valley Power Station
(NAME)
Shippingport, PA 15077
(ADDRESS)

Unit No. 2

99-213922-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By DLCo - Maint. Programs
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not Applicable

Authorization No. "

Expiration Date "

4. Identification of System Steam Vent (Class 2)

5. (a) Applicable Construction Code Section III 19 80 Edition, S'81 Addenda, --- Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Copes-Vulcan	8320-95453-4-1	2490	2SVS-PCV101C	1984	Repaired	Yes
Plug	"	83-2	N/A	---	"	Replaced	"
"	"	88-1	"	---	1989	Replacement	"
Inner Plug	"	83-4	"	---	1984	Replaced	"
"	"	87-5	"	---	1989	Replacement	"

7. Description of Work Replaced valve 'trim' (internals).

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure --- psi Test Temp. --- °F *N/A

FORM NIS-2 (Back)

9. Remarks NPV-1 and N-2 Code Data Reports attached.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Engineer Date December 8, 19 99
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 Waltham, Massachusetts have inspected the components described in the Owner's Report during the period 7-27-99 to 12-9-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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

F.M.I.C.
Commissions NB7509(NI) PA 2162
National Board, State, Province, and Endorsements

Date Dec 9, 19 99

As required by the Provisions of the ASME Code Rules

1. (a) Manufactured by Copes-Vulcan, Martin & Rice Avenues, Lake City, PA 16423
(Name and address of Manufacturer of part)

(b) Manufactured for Duquesne Light Co. Shippingport, PA 15077
(Name and address of Manufacturer of completed nuclear component)

2. Identification-Manufacturer's Serial No. of Part * Nat'l Bd. No. ----
 Rev. 0

(a) Constructed According to Drawing No. E-266729 RKD Drawing Prepared by Copes-Vulcan

(b) Description of Part Inspected Plug for 10" 600# Valve Ass'y per Dwg. E-266209 Rev. 6
Summer

(c) Applicable ASME Code: Section III, Edition 1930, Addenda date 1981, Case No. --, Class 2

3. Remarks: Cust. P.O. D037442 CV Job 8721-96036
(Brief description of service for which component was designed)

* Plug Dwg. E-266671 Rev. 1 S/N 88-1 Ref. CV Job 8320-95453

Inner Plug Dwg. C-294080 Rev. 0, S/N 87-5 CV S/N 8721-96036-1-1

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

Date 10-11 19 89 Signed Copes-Vulcan By P. L. May
(Manufacturer)

Certificate of Authorization Expires 8/19/92 Certificate of Authorization No. N-1843

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at N/A

Stress analysis report on file at N/A

Design specifications certified by N/A Prof. Eng. State ----- Reg. No. -----

Stress analysis report certified by N/A 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 Penna. and employed by Protection Mutual Ins. Co.* of Park Ridge, IL have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on 11-1 19 89, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.

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

*Factory Mutual Systems

Date 11-1 19 89

P. L. May
 Inspector's Signature

Commissions 11-1

National Board, State, Province and No.

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

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 Copes-Vulcan, Lake City, PA 15423
(Name and Address of N Certificate Holder)
2. Manufactured for Stone & Webster Eng. Corp., Boston, MA
(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 Valve Nominal Inlet Size 10 Outlet Size 10
(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	8320-95453-4-1	---	E-266209 Rev. 4	2	2490	1984
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

RECEIVED

JUL 03 1984

Stone & Webster
Engineering Corporation
Document Review

5. 10" Class 600# E/H Actuated Valve
Cust. P.O. 2BV-209A (Short description of service for which equipment was designed)
Valve I.D. 2SVS*PCV101C

6. Design Conditions 1115 psi 560 °F or Valve Pressure Class --- (1)
(Pressure) (Temperature)
7. Cold Working Pressure 1480 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body S/N CV1534	ASME SA 216	Empire	GR-WCB
Bonnet S/N Y1096	ASME SA 216	Quaker	GR-WCB
(b) Forgings			

(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			
Studs Lot NE70	ASME SA 193	Vitco	GR-17
Nuts Lot X82-1	ASME SA 194	Vitco	GR-2H
(d) Other Parts			
Plug S/N 83-2	ASME SA 182	McInnes	Tp. 304
Inner Plug S/N 83-4	ASME SA 182	McInnes	Tp. 304

9. Hydraulic test 2225 psi. Disk Differential test pressure 1628 psi. CV S/N 8320-95453-4-1

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1980
Addenda Summer 1981, Code Case No. --- Date 6-14-84

Signed Copes-Vulcan
(N Certificate Holder)

Our ASME Certificate of Authorization No. N-1842 to use the N symbol expires 8/19/86
(Date)

CERTIFICATION OF DESIGN

Design information on file at Stone & Webster Eng. Corp. Boston, MA
Stress analysis report (Class 1 only) on file at N/A

Design specifications certified by (1) Louis C. Wilmet
PE State NY Reg. No. 49480

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 Penna and employed by Protection Mutual Ins. Co. of Park Ridge, IL have inspected the pump, or valve, described in this Data Report on June 21, 1984, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 6-21 1984

*Factory Mutual Systems

J. P. [Signature]
(Inspector)

Commission UGB 563 9-20071
(Noted by State Prov. and No.)

Form No. 1166

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

1. Owner FENOC
(NAME)Date 03-22-0076 South Main Street- Akron, OH 44308
(ADDRESS)Sheet 1 of 32. Plant Beaver Valley Power Station
(NAME)Unit No. 2Shippingport, PA 15077
(ADDRESS)W.O. Nos: 99-214073-000, 99-076900-002
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By BVPS - Maintenance
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Service Water (Class 3)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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Walworth	D-63951	1323	2SWS-488	1977	Replaced	Yes
Nozzle Check	Enertech	10547	N/A	"	1997	Replacement	"

7. Description of Work Added pipe flanges to pipe and replaced check valve with a flanged-in model.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached. Added pipe flanges to system per Code Case N-416-1.
additional NDE was performed per NRC to BVPS request to use this Code Case. Different style
valve was installed per TER-10884.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date March 23, 20 00
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 8/12/99 to 3/23/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes 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.

[Signature]
Inspector's Signature

Commissions NB7509(N,I)PA2162
National Board, State, Province, and Endorsements

Date March 23, 20 00

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

Pg. 1 of 2

1. Manufactured and certified by ENERTECH, 2950 Birch Street, Brea, CA 92621
(name and address of N Certificate Holder)
2. Manufactured for Duquesne Light Company, P.O. Box 345, RT 168, Shippingport, PA 15077
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station, Shippingport, PA 15077
DRV-Z (name and address)
4. Model No., Series No., or Type Nozzle Check Drawing PD 98400 Rev. B 10/24/92 CAN None
PD 98400
5. ASME Code, Section III, Division 1: 1971 Summer '72 3 None
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 3 Outlet size 3
(in.) (in.)
SA-479
7. Material: Body SA-105 Bonnet N/A Disk Type 316 Bolting N/A

[illegible]

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

298,

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

REPRINT 673

Post-it® Fax Note	7671	Date	8/2	# of pages	2
To	BOB MCGEE	From	DAVE CORDOVA		
Co./Dept.	QWL. SEC	Co.	EVERTECH		
Phone #	(412) 393-5970	Phone #	(714) 528-2301 x114		
Fax #	(412) 393-7315	Fax #	(714) 528-6128		

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

10545, 10546
10547

Certificate Holder's Serial No.

8. Design conditions 150 psi 120 °F or valve pressure class 150
(pressure) (temperature)
9. Cold working pressure 275 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 275 psi
11. Remarks: QTY: 3, ENERTECH Job Number: 15334V

CERTIFICATION OF DESIGN

Design Specification certified by Alan J. Fiorente P.E. State PA Reg. no. 032366-E
Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826 Expires 10/26/99

Date 9/18/97 Name ENERTECH Signed Daniel T. Corda
(N Certificate Holder) (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by DOSH of California have inspected the pump, or valve, described in this Data Report on 9-18-97, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9/18/97 Signed GH Commissions C. 1234
(Authorized Inspector) (Nat'l. Bd. incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

28V-020

This form is printed from the Order Book, ADWE, 345 E. 47 St., New York, N.Y. 10017

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting Stud 203-559K075 Code 123	SA-193, B7	Daniel Bolt Co.	
Nut D076N Code GR	SA-194, 2H	Wm. H. Haskell Mfg. Co.	
(d) Other Parts Plug BM31	SA-105	Bonney Forge Div.	
Duquesne Light Company Beaver Valley Unit No. 2 P. O. No. 2574-73, J.O. No. 12241 Carbon Steel Valves - 2 1/4 In. and Larger Category I Walworth Company Greensburg, PA 15601			VALVE D63951 SERIAL NO.

9. Hydrostatic test 425 psi

CERTIFICATE OF COMPLIANCE

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

CERTIFICATION OF DESIGN

Design information on file at Walworth Co., Greensburg, Pa. 15601
 Stress analysis report (Class 1 only) on file at N/A
 Design specifications certified by (1) C. O. Richardson, Jr.
 PE State PA Reg. No. 016297E
 Stress analysis certified by (1) N/A
 PE State Reg. No.

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by The Hartford Steam Boiler I&I Co. of Hartford, Conn. 06102 have inspected the pump, or valve, described in this Data Report on 6-28-77 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.
 6-28-77
 D. J. Smith
 Commissions N.B. 4207N
 (National Bd., State, Prov. and No.)

00007

Form No. 1167

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

1. Owner FENOC Date 03-23-00
(NAME)
76 South Main Street- Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. Nos: 99-076900-000, 99-076900-002
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Service Water (Class 3)

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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Walworth	D-63950	1322	2SWS-486	1977	Replaced	Yes
Nozzle Check	Enertech	10545	N/A	"	1997	Replacement	"

7. Description of Work Added pipe flanges to pipe and replaced check valve with a flanged-in model.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Added pipe flanges to system per Code Case N-416-1.
additional NDE was performed per NRC to BVPS request to use this Code Case. Different style
valve was installed per TER-10884. Previous Code Data Reports Nos: 505, 248.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date March 23, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/12/99 to 3/23/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date March 23, 20 00

Pg. 1 of 2

- | | | | | | |
|-------------------|----------------|---------|---------------------|------------|---|
| Post-it® Fax Note | 7571 | Date | 9/2 | # of pages | 2 |
| To | BOB MCGEE | From | DAVE CORTONA | | |
| Co./Dept. | QWL. SEC | Co. | EVERTECH | | |
| Phone # | (412) 393-5970 | Phone # | (714) 528-2301 x114 | | |
| Fax # | (412) 393-7315 | Fax # | (714) 528-6128 | | |

FORM NPV-1 (Back - Pg. 2 of 4)

10545, 10546
10547

Certificate Holder's Serial No.

8. Design conditions 150 psi 120 °F or valve pressure class 150
(pressure) (temperature)9. Cold working pressure 275 psi at 100°F10. Hydrostatic test 425 psi. Disk differential test pressure 275 psi11. Remarks: QTY: 3. ENERTECH Job Number: 15334V

CERTIFICATION OF DESIGN

Design Specification certified by Alan J. Fiorente P.E. State PA Reg. no. 032366-E
Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826 Expires 10/26/99Date 9/18/97 Name ENERTECH
(N Certificate Holder)Signed D. J. Cordova
(authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by DOSH of California have inspected the pump, or valve, described in this Data Report on 9-18-97, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9/18/97 Signed G. H. [Signature] Commissions C. 1234
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1168

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

1. Owner Duquesne Light Company Date 03-23-00
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. Nos: 99-076901-000, 99-076900-002
(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. N/A
(ADDRESS) Expiration Date "
4. Identification of System Service Water (Class 3)
5. (a) Applicable Construction Code Section III, 1971 Edition, S72 Addenda, 1672, 1567 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Anchor Darling	E6318-43-4	N/A	2SWS-487	1979	Replaced	Yes
Nozzle Check	Enertech	10546	N/A	"	1997	Replacement	"

7. Description of Work Added pipe flanges to pipe and replaced check valve with a flanged-in model.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Added pipe flanges to system per Code Case N-416-1.
additional NDE was performed per NRC to BVPS request to use this Code Case. Different style
valve was installed per TER-10884. Previous Code Data Reports Nos: 858, 403

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date March 23, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/12/99 to 3/23/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimach Commissions NB 7509(N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date March 23, 20 00

Pg. 1 of 2

- | | | | | | |
|-------------------|----------------|---------|---------------------|------------|---|
| Post-it® Fax Note | 7571 | Date | 9/2 | # of pages | 2 |
| To | BOB MCGEE | From | DAVE CORIO | | |
| Co./Dept. | QUL. SVC | Co. | EVERTECH | | |
| Phone # | (412) 393-5970 | Phone # | (714) 528-2301 x117 | | |
| Fax # | (412) 393-7315 | Fax # | (714) 528-0128 | | |

FORM NPV-1 (Back - Pg. 2 of 6)

10545, 10546
10547

Certificate Holder's Serial No.

8. Design conditions 150 psi 120 °F or valve pressure class 150
(pressure) (temperature)9. Cold working pressure 275 psi at 100°F10. Hydrostatic test 425 psi. Disk differential test pressure 275 psi11. Remarks: QTY: 3. ENERTECH Job Number: 15334V

CERTIFICATION OF DESIGN

Design Specification certified by Alan J. Fiorente P.E. State PA Reg. no. 032366-E
Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826 Expires 10/26/99Date 9/18/97 Name ENERTECH
(N Certificate Holder)Signed D. T. Kodera
(Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by DOSH of California have inspected the pump, or valve, described in this Data Report on 9-18-97, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9/18/97 Signed G. H. [Signature] Commissions G. 1234
(Authorized Inspector) (Nat'l. Bd. incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1176

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

1. Owner Duquesne Light Company Date 03-26-00
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 99-211891-003
(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. N/A
(ADDRESS) Expiration Date "
4. Identification of System Service Water (Class 3)
5. (a) Applicable Construction Code B31.1 19 80 Edition, --- Addenda, --- Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Heat Exchanger	BASCO GA Technologies	171155	N/A	2SWS-RQII00A	----	Repaired	No

7. Description of Work Removed and repaired weld defect.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 110 psi Test Temp. Amb °F

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Weld repaired linear indication on heat exchanger.
Performed both a hydro and system leakage test.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date March 26, 20 00
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/10/99 to 4/1/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimnoch Commissions NB 7509 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 1, 20 00

Form No. 1195

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

1. Owner Duquesne Light Company Date 03-23-00
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 99-216133-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By DLC - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Class 1)
5. (a) Applicable Construction Code Section III 19 77 Edition, S79 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Power Relief Valve	Garrett Pneumatic	P-119	N/A	2RCS-PCV456	1983	Repaired	Yes
Plug	Crosby Valve	N96012-58-0108	"	Ht #40188	1995	Replaced	No
"	"	N96012-65-0126	"	Ht #Y2686-5E	1999	Replacement	"

7. Description of Work Replaced plug.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report Nos: 1042, 539, 360, and 090.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date March 31, 20 00
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 Insurance Co. of Johnston, R.I.

have inspected the components described in the Owner's Report during the period 10/14/99 to 4/4/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions NB 7509 (N.I.) PA 2162
National Board, State, Province, and Endorsements

Date April 4, 20 00

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

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Crosby Valve Inc., 43 Kendrick St., Wrentham, MA 02093
(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 POWER STATION
(Name and Address)
4. Type DS-C-67970-13REV.G ASME SA 479 T316 75,000 -- 1999
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 SUMMER 1979 1 --
(edition) (addenda date) (class) (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) -- Revision -- Date --
(no.)
7. Remarks _____
8. Nom. thickness (in.) -- Min. design thickness (in.) -- Dia. ID (ft & in.) -- Length overall (ft & in.) --
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>N96012-65-0126</u>	<u>---</u>	(26) _____	_____
(2) _____	_____	(27) _____	_____
(3) _____	_____	(28) _____	_____
(4) _____	_____	(29) _____	_____
(5) _____	_____	(30) _____	_____
(6) _____	_____	(31) _____	_____
(7) _____	_____	(32) _____	_____
(8) _____	_____	(33) _____	_____
(9) _____	_____	(34) _____	_____
(10) _____	_____	(35) _____	_____
(11) _____	_____	(36) _____	_____
(12) _____	_____	(37) _____	_____
(13) _____	_____	(38) _____	_____
(14) _____	_____	(39) _____	_____
(15) _____	_____	(40) _____	_____
(16) _____	_____	(41) _____	_____
(17) _____	_____	(42) _____	_____
(18) _____	_____	(43) _____	_____
(19) _____	_____	(44) _____	_____
(20) _____	_____	(45) _____	_____
(21) _____	_____	(46) _____	_____
(22) _____	_____	(47) _____	_____
(23) _____	_____	(48) _____	_____
(24) _____	_____	(49) _____	_____
(25) _____	_____	(50) _____	_____

*0. Design pressure -- psi. Temp. -- ° F Hydro. test pressure 6,125 at temp. 70 ° F
(when applicable)

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

Certificate Holder's Serial Nos. N96012-65-0126**CERTIFICATE OF DESIGN**Design specifications certified by L. IKE EZEKOYE P.E. State PA Reg. no. 18379.E
(when applicable)Design report* certified by _____ P.E. State _____ Reg. no. _____
(when applicable)**CERTIFICATE OF COMPLIANCE**We certify that the statements made in this report are correct and that this (these) Plug
conforms to the rules of construction of the ASME Code, Section III, Division 1.NPT Certificate of Authorization No. N-1877 Expires 30 Sep. 2001Date 27 AUG 99 Signed Crosby Valve Inc. by Brett Crosby
(NPT Certificate Holder) (Authorized Representative)**CERTIFICATE OF INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by * Protection Mutual Insurance Co. of Norwood, Massachusetts have inspected these items described in this Data Report on August 27, 19 99 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 8-27, 19 99Signed [Signature]
(Authorized Inspector)Commissions MA-1418 'N'
(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

* Factory Mutual System

Form No. 1196

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

1. Owner Duquesne Light Company Date 03-24-00
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 99-216134-000, -016
(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. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Class 1)
5. (a) Applicable Construction Code Section III 19 77 Edition, S79 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Power Relief Valve	Garrett Pneumatic	P-122	N/A	2RCS-PCV455D	1983	Repaired	Yes
Plug	Crosby Valve	N96012-41-0065	N/A	N/A	1990	Replaced	No
Plug	Crosby Valve	N96012-65-0124	N/A	N/A	1999	Replacement	No

7. Description of Work Replaced plug.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report Nos: 1044, 801, 554, 362, 221,
and 089.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *Thomas H. [Signature]* *Senior Eng.* Date April 3, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/26/99 to 4/5/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date *April 5*, 20 *00*

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

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Crosby Valve Inc., 43 Kendrick St., Wrentham, MA 02093
(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 POWER STATION
(Name and Address)
4. Type DS-C-67970-13REV.G SA479 TYPE 316 75,000 -- 1999
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 SUMMER 1979 1 --
(edition) (addenda date) (class) (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) -- Revision -- Date --
(no.)
7. Remarks _____
8. Nom. thickness (in.) -- Min. design thickness (in.) -- Dia. ID (ft & in.) -- Length overall (ft & in.) --
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>N96012-65-0124</u>	<u>---</u>	(26) _____	_____
(2) _____	_____	(27) _____	_____
(3) _____	_____	(28) _____	_____
(4) _____	_____	(29) _____	_____
(5) _____	_____	(30) _____	_____
(6) _____	_____	(31) _____	_____
(7) _____	_____	(32) _____	_____
(8) _____	_____	(33) _____	_____
(9) _____	_____	(34) _____	_____
(10) _____	_____	(35) _____	_____
(11) _____	_____	(36) _____	_____
(12) _____	_____	(37) _____	_____
(13) _____	_____	(38) _____	_____
(14) _____	_____	(39) _____	_____
(15) _____	_____	(40) _____	_____
(16) _____	_____	(41) _____	_____
(17) _____	_____	(42) _____	_____
(18) _____	_____	(43) _____	_____
(19) _____	_____	(44) _____	_____
(20) _____	_____	(45) _____	_____
(21) _____	_____	(46) _____	_____
(22) _____	_____	(47) _____	_____
(23) _____	_____	(48) _____	_____
(24) _____	_____	(49) _____	_____
(25) _____	_____	(50) _____	_____

J. Design pressure -- psi. Temp. -- ° F Hydro. test pressure --- at temp. --- ° F
(when applicable)

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

Certificate Holder's Serial Nos. N96012-65-0124**CERTIFICATE OF DESIGN**Design specifications certified by L. IKE EZEKOYE P.E. State PA Reg. no. 18379-E
(when applicable)Design report* certified by _____ P.E. State _____ Reg. no. _____
(when applicable)**CERTIFICATE OF COMPLIANCE**We certify that the statements made in this report are correct and that this (these) Plug
conforms to the rules of construction of the ASME Code, Section III, Division 1.NPT Certificate of Authorization No. N-1877 Expires 30 Sep. 2001Date 18 FEB 99 Signed Crosby Valve Inc. by Brett A. Crosby
(NPT Certificate Holder) (Authorized Representative)**CERTIFICATE OF INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by * Protection Mutual Insurance Co. of Norwood, Massachusetts have inspected these items described in this Data Report on February 18, 19 99 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 2-18, 19 99Signed [Signature]
(Authorized Inspector)Commissions MA-1418 'N'
(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

* Factory Mutual System

Form No. 1197

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

1. Owner Duquesne Light Company Date 06-08-2000
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-206709-000
(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. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Class 1)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Safety Valve	Crosby	N56963-00-0010	N/A	2RCS-RV551B	1980	Replaced	Yes
Safety Valve	Crosby	N56963-00-009	206	2RCS-RV551B	1976	Replacement	Yes
Inlet Stud	Nova Machine	B5 - B12	N/A	Ht #6L9579	1999	Replacement	No
Inlet Stud	Nova Machine	B1 - B4	N/A	Ht #JBC	1999	Replacement	No

7. Description of Work Replaced valve and twelve inlet studs with spares.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced because of leak-by. Previous NIS-2 Code
Data Report Nos: 1157, 847, 686, 247, 054, 045, 015, and 009.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng Date June 12th, 20 00
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 Insurance Co. of
Johnston, RI have inspected the components described in the
Owner's Report during the period 7/26/99 to 6/13/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date June 13, 20 00

CROSBY

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

G.C.-44C

DATA REPORT
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick Street, Wrentham, Ma. 02093
Assem. No. N-56963 6H, 6 Name and Address
Model No. NB-86BP Order No. N303157 Contract Date 4-4-73 National Board No. 206
Westinghouse Electric Corp., Nuclear
2. Manufactured For Energy Systems, Pittsburgh, Pa. 15230 Order No. 546-CCK-178357-8N
Name and Address
3. Owner Duquesne Light Co., Beaver Valley Power Station, Beaver Valley #2
Name and Address
4. Location of Plant Shippingport, Beaver County, Pennsylvania
5. Valve Identification ASVRL15B Serial No. N56963-00-0009 Drawing No. DS6C-56963 Rev. C
Type Safety Orifice Size 0.52 Pipe Size 1 Inlet 6 Outlet 6
Safety Safety Relief Pilot Power Actuated Inch Inch Inch Inch
6. Set Pressure (PSIG) 248.5 Rated Temperature 650° F
Stamped Capacity 344972 lbs./hr. 3 % Overpressure 5% Blowdown (PSIG) 125 psig
Hydraulic Test (PSIG) Inlet 4575 psig Complete Valve 750 psig
7. The material, design, construction and workmanship comply with ASME Code, Section III.
Class 1 Edition 1971, Addenda Date Winter 1972, Case No. ---

Pressure Containing or Pressure Retaining Components

	Serial No. Modification	Material Specification Including Type or Grade
a. Bar Stock & Forgings		
Body	<u>N90480-33-0066</u>	<u>ASTM-A182-71 F316</u>
Bonnet	<u>N90353-38-0080</u>	<u>ASTM-A182 F316</u>
		<u>ASTM-A105 Gr. 2</u>
		<u>ASTM-A105 Gr. 2</u>
b.		
Support Bolt	<u>N90556-35-0010</u>	<u>ASTM-A182-71 F316</u>
Nut		<u>ASTM-A182 F316</u>
Disc Holder	<u>K57220-36-0061</u> <u>N90533-32-0062</u>	<u>ASTM-A637 Gr. 718</u>
Spring Washers	<u>K56380-39-0082</u> <u>N90350-31-0188</u>	<u>ASTM-A105 Gr. 2</u>
Adjusting Bolt	<u>N90351-38-0084</u>	<u>ASTM-A193-71 Gr. B6</u>
Spindle Point	<u>K56381-34-0048</u> <u>N90356-31-0048</u>	<u>ASTM-A193 Gr. B6</u>
Spindle Ball	<u>N90355-00-8</u>	<u>ASTM-A193 Gr. B6</u>
Disc Insert	<u>N90349-44-00-8</u>	<u>ASTM-A276-73 Type 4-00</u>
		<u>Haynes Stellite No. 48</u>

... Add the date of the inspection and the name of the inspector to the permanent Name Sheet. Original and copy to be kept.

4-28-87
Date

NO 4724
Factory Serial No.

	Serial No. or Identification	Material Specification including Type or Grade
c. Spring	<u>WX2761-0103</u>	<u>ASTM-A304 Gr. 31660H</u>
d. Bolting		
e. Other Parts such as Pilot Components		
Bonnet Stud	<u>100987</u>	<u>ASTM-A453-70 Gr. 660</u> <u>ASTM-A453 Gr. 660</u>
Bonnet Stud Nut	<u>89997</u>	<u>ASTM-A193-71 Gr. 86</u> <u>ASTM-A193 Gr. 86</u>
Inlet Stud	<u>N90488-0609 thru 0620</u>	<u>ASTM-A453-70 Gr. 660</u> <u>ASTM-A453 Gr. 660</u>
Inlet Stud Nut	<u>N90489-0609 thru 0620</u>	<u>ASTM-A193-71 Gr. 86</u> <u>ASTM-A193 Gr. 86</u>

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

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

Certificate of Authorization No. 926 expires October 28, 1977

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

CERTIFICATE OF SHOP INSPECTION

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

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

Date 4-8-76 19 76

[Signature] 2153

Form No. 1198

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

1. Owner Duquesne Light Company Date 03-21-00
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 99-221039-002, 004
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Main Steam (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Valve	Walworth Co.	D66543	1801	2MSS-17	1978	Repaired	Yes
Studs	R.E.C.	N/A	N/A	B6508 Code "MC"	"	Replaced	No
"	Nova Machine	"	"	Ht #99694-PPZ	N/A	Replacement	"
Nuts	R.E.C.	"	"	B6508 Code "WO"	1978	Replaced	"
"	Nova Machine	"	"	Ht #8077124	N/A	Replacement	"

7. Description of Work Weld repaired steam cut on bonnet and replaced studs and nuts.

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

FORM NIS-2 (Back)

9. Remarks Code 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 NPDAP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed *Robert C. Smith* Senior Engr. Date March 21, 20 00
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 10/27/99 to 3/22/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert C. Smith Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date March 22, 20 00

SERIAL NO: D66543

MARK NO: 2MS9-17

TYPE: VGW060-A-2

2BV-073

COMMENTS:

2X31299-015A

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 Company, Greensburg Plant, Greensburg, PA 15601
(Name and Address of Manufacturer)
2. Manufactured for Duquesne Light Company, Shippingport, PA.
(Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Beaver County, Shippingport, PA.
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 3" Outlet Size 3"
UNITS

(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) 5232 WE	D66543	N/A	SK-1961-5H	2	1801	1978
(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 Pressure 1440 psi (Temperature) ANSI 600 (1)
7. Cold Working Pressure 1440 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body - 454E P1	SA216, WCB	Walworth Company	Seal Welded Seats
Bonnet - 677C P3	SA216, WCB	Valve Castings	Seal Welded Seat
Wedge - C23 P4	SA216, WCB	Walworth Company	CoCrA Faced Seats
(b) Forgings			
		Duquesne Light Company	
		Beaver Valley Unit No. 2	
		P.O. No. 28V 73, I.O. No. 19241	
		Carbon Steel Valves - 2 1/2 in. and larger	
		Category 1	
		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 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 (800037) may be obtained from the Order Dept., ASME, 348 E. 47 St., New York, N.Y. 10017

005

PCRM NPV-1 (Basic)

Mark No.	Material Spec. No.	Manufacturer	Remarks
	SA 194, 24	R. E. C.	
Nuc - 36503	SA 194, 24	R. E. C.	
Code - "N"			
Nuc - 36509	SA 194, 24	R. E. C.	
Code - "N"			
(d) Other Parts			
Duquesne Light Company			VALVE
Egoor Valley Unit No. 2			
P.O. NO. 23V-73, J.O. No. 12241			
Carbon Steel Valves - 2 1/2 in. and Larger			066543
Walworth Company			SERIAL NO.
Greensburg, PA 15601			

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. L, Edition 1971.
 Addenda June 30, 1972, Code Case No. 1672, Date 8-22-78.
 Signed Walworth Company by J. W. Brinker
 (Manufacturer)
 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. U. Richardson, Jr.
 PE State PA Reg. No. 0152972
 Stress 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 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 8-22 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 8-22 19 78
Arthur J. [Signature]
 (Inspector)
 Commission NB8153 PA2227
 (Nat'l Bd. State, Prov. and No.)

Form No. 1199

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

1. Owner Duquesne Light Company Date 05-11-2000
(NAME)
411 Seventh Avenue - Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 99-221084-003
(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. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Class 1)
5. (a) Applicable Construction Code Section III 19 71 Edition, W72 Addenda, --- Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Kerotest	DF4-3	5661	2RCS-50	1975	Repaired	Yes
Accessory Cap	BW/IP	AQJ3-6	N/A	N/A	1989	Replacement	No

7. Description of Work Installed an accessory cap onto valve bonnet and seal welded.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached. Installed an accessory cap onto the valve bonnet and seal
welded to contain leakage from valve diaphragm.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Savior Eng. Date May 11th, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/27/99 to 5/12/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Conoch
Inspector's Signature

Commissions NB1509 (N.I) PA 2162
National Board, State, Province, and Endorsements

Date May 12, 20 00

As Required by the Provisions of the ASME Code Rules

[illegible]

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) also in 8 1/2" x 11", (2) information in Items 1, 2, 3a and 3b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

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

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

Pg. 1 of 1

1. Manufactured and certified by Kerotest Mfg. Corp., 2525 Liberty Ave., Pgh, Pa 15222 (C146507)
(name and address of NPT Certificate Holder)
2. Manufactured for Duquesne Light Company, 301 Grant Street, Pittsburgh, Pa 15279
(name and address of purchaser)
3. Location of installation Beaver Valley, Unit 1, Box 4, Shippingport, Pa 15077
(name and address)
4. Type 9909-17-(1), Rev. C SA479.316 75,000 N/A 1989
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1971 Winter 1972 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: PO No. D071333, Item No. 2

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) <u>AQJ3-6</u>	<u>N/A</u>	(26)	
(2) <u>AQJ3-7</u>	<u>N/A</u>	(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2580 psi. Temp. 650 °F. Hydro. test pressure 5400 at temp. °F
(when applicable)

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

(12/86)

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Mfr. Serial No. _____

CERTIFICATION OF DESIGN

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

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) 1-1/2" - 2" Seal Cap conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. 1903 Expires 4/25/89
Date 2/10/89 Name Kerotest Mfg. Corp. Signed Gen Sheridan
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler I&I Co. of Hartford, CT have inspected these items described in this Data Report on 2-10-89 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 2-10-89 Signed Ray Welch Commissions PA20521
(Authorized Inspector) (Not. Bd. Incl. endorsements) state or prov. and no.)

Form No. 1203

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

1. Owner Duquesne Light Company Date 03-20-2000
 (NAME)
411 Seventh Avenue- Pittsburgh, PA 15279 Sheet 1 of 4
 (ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
 (NAME)
Shippingport, PA 15077 W.O. 99-221537-000
 (ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
 (NAME)
Shippingport, PA 15077 Authorization No. N/A
 (ADDRESS) Expiration Date "
4. Identification of System Sample System (Class 2)

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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Safety Relief	Dresser Industrial	TG-36571	N/A	2SSR-RV134	1984	Repaired	Yes
Nozzle	"	AAE29	"	N/A	"	Replaced	No
"	"	ACV56	"	Ht #48317	1997	Replacement	"
Disc	"	AAJ52	"	N/A	1984	Replaced	"
"	"	ACV75	"	Ht #38846	1997	Replacement	"

7. Description of Work Replaced valve disc and nozzle.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Code Data Report #249.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date March 21, 20 00
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 11/2/99 to 3/22/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB7509 (N, I) PA2162
National Board, State, Province, and Endorsements

Date March 22, 20 00

Industrial Valves**DRESSER**

Alexandria, Louisiana USA

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

Page 1 of 1

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

1. Manufactured and certified by Intersection Hwy. 167 & 3225 North, Alexandria, LA 71309-1430
(Name and Address of Certificate Holder)
2. Manufactured for Duquesne Light Co. P. O. Box 347 Shippingport, PA 15077-0347
(Name and Address of Purchaser)
3. Location of Installation Duquesne Light Co. Beaver Valley Power Sta. Shippingport, PA 15077
(Name and Address)
4. Type OS418 SA182 Gr. F316 75 KSI N/A 1997
(Drawing No.) (Mat'l. Spec. No.) (Tensile Strength) (CRN) (Year Built)
5. ASME Code, Section III Division 1:1974 Summer 1974 2 N/A
(Edition) (Addenda) (Class) (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(No.)
7. Remarks: None
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft.&in.) N/A Length overall (ft.&in.) N/A
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) ACV56	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
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(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

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

10. Design Pressure N/A psi Temp. N/A °F Hydro test pressure 4500 at temp. °F

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

100F11

CERTIFICATE OF DESIGN

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434, Expires May 20, 1998

Date 7/11/97 Name See Line 1 Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Vessel Inspector and the state or province of Louisiana and employed by The Hartford Steam Boiler Inspection & Insurance Co., of Hartford, CT, have inspected these items described in this data report on 7/14/97, and state that to the best of my knowledge and believe, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 7/14/97 Signed [Signature] Commissions LA 661 WC 2605
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

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

As Required by the Provisions of the ASME Code, Section III, Div. 1
Not to Exceed One Day's Production

Page 1 of 1

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

1. Manufactured and certified by Intersection Hwy. 167 & 3225 North, Alexandria, LA 71309-1430
(Name and Address of Certificate Holder)
2. Manufactured for Duquesne Light Co. P. O. Box 347 Shippingport, PA 15077-0347
(Name and Address of Purchaser)
3. Location of Installation Duquesne Light Co. Beaver Valley Power Sta. Shippingport, PA 15077
(Name and Address)
4. Type OS418 SA479 Type 316 75 KSI N/A 1997
(Drawing No.) (Mat'l. Spec. No.) (Tensile Strength) (CRN) (Year Built)
5. ASME Code, Section III Division 1:1974 Summer 1974 2 N/A
(Edition) (Addenda) (Class) (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(No.)
7. Remarks: None
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft.&in.) N/A Length overall (ft.&in.) N/A
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) ACV75	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
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(16)	
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(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
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(47)	
(48)	
(49)	
(50)	

10. Design Pressure N/A psi Temp. N/A °F Hydro test pressure 4500 at temp. N/A

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

CERTIFICATE OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434, Expires May 20, 1998

Date 7/11/97 Name See Line 1 Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission by the National Board of Boiler and Pressure Vessel Inspector and the state or province of Louisiana and employed by The Hartford Steam Boiler Inspection & Insurance Co., of Hartford, CT, have inspected these items described in this data report on 7/14/97, and state that to the best of my knowledge and believe, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 7/14/97 Signed [Signature] Commissions L 2664 UK 2605
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

MARK NO: 2559-RV134

TYPE:

COMMENTS:

BRV-657

INDUSTRIAL VALVE
OPERATIONS

DRESSER

FORM NO. 11 "CERTIFICATE HOLDER'S DATA REPORT FOR SAFETY AND SAFETY RELIEF VALVES"
(AS REQUIRED BY THE PROVISIONS OF THE ASME CODE, SECTION VIII, DIV. 1)

1. MANUFACTURED BY INDUSTRIAL VALVE OPERATIONS, DRESSER INDUSTRIES INC. HIGHWAY 71 NORTH ALEXANDRIA, LA (NAME AND ADDRESS OF THE CERTIFICATE HOLDER)		
2. MANUFACTURED FOR <u>Duquesne Light Co., P.O. Box 186 Shippingport, PA 15077</u> (NAME AND ADDRESS OF PURCHASER OR OWNER)		
3. LOCATION OF INSTALLATION <u>Duquesne Light Co., Beaver Valley Pwr. Sta., Unit 2, Shippingport PA 15077</u> (NAME AND ADDRESS)		
4. _____ (CRM)	<u>NC3011</u> (DRAWING NO.)	<u>N/A</u> (NATL. STD. NO.)
		<u>1984</u> (YEAR BUILT)
5. VALVE <u>1-1/2" 1912-30F-1-XMB29-NC3011</u> (MODEL NO., SERIES NO.)	IDENTIFYING NOS. <u>TG-36571</u> (IN CERTIFICATE HOLDERS' SERIAL NO.)	
TYPE <u>Safety Relief</u>	CLASS <u>2</u>	
(SAFETY, SAFETY RELIEF PILOT-POWER ACTUATED)		
ORIFICE SIZE <u>.674</u> INCH	NOMINAL INLET SIZE <u>1-1/2</u> INCH	OUTLET SIZE <u>2</u> INCH
6. SET PRESSURE (PSIG) <u>685</u>	RATED TEMPERATURE <u>Saturated</u> °F	
STAMPED CAPACITY: <u>12013</u> LBS. NO. <u>40</u> OVERPRESSURE BLOWDOWN (PSIG) <u>Fixed</u> SAT. STEAM		
HYDROSTATIC TEST (PSIG) INLET <u>**See Below</u> OUTLET <u>***See Below</u> (APPLICABLE TO VALVES FOR CLOSED SYSTEMS ONLY)		
7. PRESSURE RETAINING PIECES		
	SERIAL NO. OR IDENTIFICATION	MATERIAL SPECIFICATION INCL. TYPE OR GRADE
BODY	<u>AAS46</u>	<u>SA216, Gr. WCB</u>
BONNET OR YOKER	<u>AAH01</u>	<u>SA216, Gr. WCB</u>
SUPPORT RODS		
NOZZLE	<u>AAE29</u>	<u>SA182, Gr. F316</u>
DISC	<u>AAJ52</u>	<u>SAH79, Type 316</u>
SPRING WASHERS		
ADJUSTING SCREW		
SPINDLE		
SPRING		
BOLTING	<u>Studs</u>	<u>SA193, Gr. B7</u>
OTHER PIECES	<u>Nuts</u>	<u>SA194, Gr. 2H</u>

*SUPPLEMENT 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 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

**Base 450 PSIG
Disc 5515 PSIG
Nozzle 5575 PSIG

***Bonnet 450 PSIG

FORM NV-1 (BACK)

CERTIFICATE OF COMPLIANCE

WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THAT THIS VALVE CONFORMS TO THE RULES OF CONSTRUCTION OF THE ASME CODE FOR NUCLEAR POWER PLANT COMPONENTS, SECTION III, DIV. 1, 1974 EDITION, ADDENDA Summer 1974, CODE CASE NO. N/A

DATE 9-4-84 (DATE) SIGNED IVO, Dresser Ind., Inc. BY [Signature] IN CERTIFICATE HOLDER: Principal Quality Assurance Engineer
OUR ASME CERTIFICATE OF AUTHORIZATION NO. N-1747 TO USE THE NV SYMBOL EXPIRES May 20, 1986 (DATE) (NV)

CERTIFICATION OF DESIGN

DESIGN INFORMATION ON FILE AT Dresser Plant, Alexandria, La.
STRESS ANALYSIS REPORT (CLASS 1 ONLY) ON FILE AT _____
DESIGN SPECIFICATIONS CERTIFIED BY K. Martin Bendiksen
PE STATE Pennsylvania REG NO. 27945E
STRESS REPORT CERTIFIED BY _____
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 LOUISIANA AND EMPLOYED BY THE HARTFORD STEAM BOILER I & I COMPANY OF HARTFORD, CONN. HAVE INSPECTED THE PUMP OR VALVE DESCRIBED IN THIS DATA REPORT ON 9/5 1984 AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE N CERTIFICATE HOLDER HAS CONSTRUCTED THIS PUMP, OR VALVE, IN ACCORDANCE WITH THE ASME CODE FOR NUCLEAR POWER PLANT COMPONENTS.
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 9/5 1984
SIGNED [Signature] COMMISSIONS Pennsylvania WC-1775
(INSPECTOR) (NAT'L OR STATE PROV AND NO.)

RECEIVED

SEP 12 1984
Stone & Webster
Engineering Corporation
Document Review

Form No. 1204

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

1. Owner Duquesne Light Company Date 03-20-2000
(NAME)
411 Seventh Avenue- Pittsburgh, PA 15279 Sheet 1 of 3
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 99-206709-005
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Crosby Valve & Gage Co. Type Code Symbol Stamp Not Applicable
(NAME)
Wrentham, MA Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Class 1)
5. (a) Applicable Construction Code Section III 19 71 Edition, W72 Addenda, --- Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Safety Valve	Crosby	N-56963-01-0010	N/A	2RCS-RV551B	1980	Repaired	Yes
Disc Insert	"	N90349-01-0293	"	N/A	1988	Replaced	No
"	"	N90349-01-0290	"	"	1988	Replacement	"

7. Description of Work Replaced Disc Insert.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F *N/A

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Reports Nos: 1157, 847, 686, 247, 054,
045, 015, and 009. Relief Valve was seat leakage and set pressure checked by Wyle Laboratory.
A system leakage test will be performed when the spare valve is installed into the system.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date March 22, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 12/2/99 to 3/22/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB7509(N,I)PA2162
National Board, State, Province, and Endorsements

Date March 22, 20 00

CROSBY**CROSBY VALVE & GAGE COMPANY**
WRENTHAM, MASSAC 2/23
5 of 11FORM NV-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 Co., 43 Kendrick St., Wrentham, MA 02093
Name and Address
HB-86-3P
Model No. Order No N82804 Contract Date 5/24/78 National Board No. --
Alabama Power Company, 600 North 18th St.
2. Manufactured For Birmingham, Alabama 35291 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 M₁ Pipe Size -- Inlet 6 Outlet 6
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch
6. Set Pressure (PSIG) 2485 650 F
Rated Temperature
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

	Serial No. Identification	Material Specification Including Type or Grade
a. Bar Stock & Forgings		
Body	<u>N90490-25-0113</u>	<u>ASME SA182 Gr. F316</u>
Bonnet	<u>N90353-48-0134</u>	<u>ASME SA105 Gr. II</u>
b. Bar Stock and Forgings		
Disc Holder <u>K57220-56-0130</u>	<u>N90553-56-0135</u>	<u>ASTM A637-70 Gr. 718</u> <u>ASME SA637 Gr. 718</u>
Nozzle	<u>N90556-25-0011</u>	<u>ASME SA182 Gr. F316</u>
Disc Insert	<u>N90349-59-0107</u>	<u>Haynes Stellite Alloy #68</u>
Spring Washers <u>K56380-54-0147</u>	<u>N90350-46-0293</u> <u>N90350-46-0294</u>	<u>ASME SA105 Gr. II</u>
Adjusting Bolt	<u>N90351-33-0004</u>	<u>ASTM A193-70 Gr. B6</u> <u>ASME SA193 Gr. B6</u>
Spindle Point	<u>N90354-56-0139</u>	<u>ASME SA193 Gr. B6</u>
Spindle Ball	<u>N90355-0159</u>	<u>ASTM A276-71 Type 440 C</u>

BECHTEL
412ROUTING FORM #0009
ASME SECTION XI.

DOCUMENT

ack 4/24/80

ROUTING FORM #0000
ASME SECTION XI.
DOCUMENT
 PC 162121/88

ASME SECTION XI.

DOCUMENT

11
 125

	Serial No. or Identification	Material Specification Including Type or Grade
c. Sizing K56130-54-0147	<u>NY2761-0158</u>	<u>ASTM A304-76 Gr. 3160H</u>
d. Bolting		
e. Other Parts such as Pilot Components		
Inlet Stud	N90488	ASME SA453 Gr. 660
Inlet Nut	N90489	ASTM A193-69 Gr. 86 ASME SA193 Gr. 86
Bonnet Stud	100987	ASTM A453-71 Gr. 660 ASME SA453 Gr. 660
Bonnet Nut	89997	ASTM A193-71 Gr. 86 ASME SA193 Gr. 86
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. H. Edwards
 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 Morris 3/27/80
John Morris Commissions MASS 1266
 (Inspector) National Board, State, Province and No.

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Division.

CROSBY**CROSBY VALVE & GAGE COMPANY**

WRENTHAM, MASS

QC-392

Form N-2

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

Pg 1 of 1

1. Manufactured and certified by Crosby Valve & Gage Co., 43 Kendrick St., Wrentham, MA 02093
(Name and address of certificate holder)
2. Manufactured for Duquesne Light Co., Pittsburgh, PA
(Name and address of purchaser)
3. Location of installation Beaver Valley Unit 1, Shippingport, PA
(Name and address)
4. Type DS-C-56963 See Below 145,000 -- 1988
(Working up 1) (Part 1 up to 1) (Service strength) (Class) (Year built)
5. ASME Code, Section III 1971 Winter 1972 1 --
(Edition) (Date) (Section) (Code Case up 1)
6. Fabricated in accordance with Const. Spec. (Div 2 only) -- Revision -- Date --
(Div 1)
7. Remarks Material - Haynes Stellite Alloy No. 6B

8. Nom. thickness (in.) .460 Min. design thickness (in.) .424 Dia. ID (ft. & in.) -- Length overall (ft. & in.) --
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) <u>N90349-01-0290</u>		(26) <u>BEST COPY AVAILABLE</u>	
(2) <u>N90349-01-0291</u>		(27) <u></u>	
(3) <u>N90349-01-0292</u>		(28) <u></u>	
(4) <u>N90349-01-0293</u>		(29) <u></u>	
(5) <u>N90349-01-0294</u>		(30) <u></u>	
(6) <u></u>		(31) <u></u>	
(7) <u></u>		(32) <u></u>	
(8) <u></u>		(33) <u></u>	
(9) <u></u>		(34) <u></u>	
(10) <u></u>		(35) <u></u>	
(11) <u></u>		(36) <u></u>	
(12) <u></u>		(37) <u></u>	
(13) <u></u>		(38) <u></u>	
(14) <u></u>		(39) <u></u>	
(15) <u></u>		(40) <u></u>	
(16) <u></u>		(41) <u></u>	
(17) <u></u>		(42) <u></u>	
(18) <u></u>		(43) <u></u>	
(19) <u></u>		(44) <u></u>	
(20) <u></u>		(45) <u></u>	
(21) <u></u>		(46) <u></u>	
(22) <u></u>		(47) <u></u>	
(23) <u></u>		(48) <u></u>	
(24) <u></u>		(49) <u></u>	
(25) <u></u>		(50) <u></u>	

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

Form N-3

FORM N-3 Book

See also N90349-01-0290

CHRY
0294

CERTIFICATE OF DESIGN	
Design specifications written by <u>P. Kenneth DeLuse</u>	P. E. DeLuse, PA. Reg no. <u>17128-E</u>
Design report written by <u>W. D. Greenley</u>	P. E. Greenley, MA. Reg no. <u>14784</u>
CERTIFICATE OF SHOP COMPLIANCE	
We certify that the statements made in this report are correct and that the above Disc Insects	
HPT Certificate of Authentication no. <u>N-1877</u>	Expires <u>9/30/89</u>
Done <u>2-24-88</u> Name <u>Crosby Valve & Gate Co.</u>	Signed <u>[Signature]</u>
for Company Representative	
CERTIFICATE OF SHOP INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Massachusetts, have inspected the work done on <u>2-24-88</u> and state that to the best of my knowledge and belief, the Certificate holder has fabricated these parts or repairwork in accordance with the ASME Code, Section II. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor the employer makes any warranty, expressed or implied, concerning the equipment described in this data report. Furthermore, neither the inspector nor the 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.	
Done <u>2/24/88</u> by <u>[Signature]</u> Commission <u>999-1301</u>	Noted by <u>[Signature]</u> Not to be returned until a pro and con

Form No. 1206

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

1. Owner F.E.N.O.C. Date 03-26-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 99-224049-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Service Water (Class 3)
5. (a) Applicable Construction Code Section III, 1974 Edition, W'75 Addenda, --- Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Expansion Joint Assembly	Senior Flexonics	J-4643	N/A	2SWS-EJM222C	1994	Replaced	Yes
"	"	V-0702	"	"	1999	Replacement	"

7. Description of Work Replaced metal expansion joint.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No: 583.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng Date March 31, 20 00
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 12/1/99 to 4/4/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions NB7509(N,I) PA2162
National Board, State, Province, and Endorsements

Date April 4, 20 00

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

Job Number: NE337P

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

Pg. 1 of 2

1. Manufactured and certified by Senior Flexonics, Inc., Pathway Division, 2400 Longhorn Industrial Drive, New Braunfels, Texas 78130
(name and address of NPT Certificate Holder)
2. Manufactured for Duquesne Light Company, Shippingport, PA
(name and address of purchaser)
3. Location of installation Beaver Valley Station, 200 State Route 3018, Shippingport, PA
(name and address)
4. Type D-54909 Rev.2 SA-240 Type 304 75 Ksi N/A 1999
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1974 Winter 1975 3 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A

7. Remarks **Materials**

Drawing P/N	Description	Specification	Mat'l Traceability Code Number (MTCN)
1	Bellows	SA-240 Type 304	TBV675
2	Liner	SA-240 Type 304	TBV675
3	Flange	SA-105	TBX315
4	Flange	SA-105	TBX315
5	Ear	SA-516 Grade 70	TBX308
6	Ear	SA-516 Grade 70	TBX308
7	Cover Clip	SA-36	TBV949
8	Cover Clip	SA-36	TBX076
9	Hex Nut	Carbon Steel	N/A
10	Hex Bolt	Carbon Steel	N/A
11	Cover	A570	TBV725
15	Gasket	Garlock 3000	N/A
16	ASME Nameplate	Stainless Steel	N/A
17	Info Nameplate	Stainless Steel	N/A
18	Shipping Bar	SA-36	N/A

8. Nom. thickness (in.) .060" Min. design thickness (in.) .054" Dia. ID (ft. & in.) 2' - 0" Length overall (ft. & in.) 1' - 8 5/8"

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>V-0702</u>	<u>N/A</u>	(11)	
(2)		(12)	
(3)		(13)	
(4)		(14)	
(5)		(15)	
(6)		(16)	
(7)		(17)	
(8)		(18)	
(9)		(19)	
(10)		(20)	

10. Design pressure 150 psi. Temp. 120 ° F. Hydro test pressure 230 psi at Ambient at temp ° F.

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

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. V-0702 through N/A

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Expansion Joint Assembly
conforms to the rules for construction of the ASME Code, Section III, Division I.

NPT Certificate of Authorization No. N-2778 Expires April 16, 2002

Date 11/26/99 Name Senior Flexonics Inc. Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province
of Texas and employed by Commercial Union Insurance Company
of Boston, MA have inspected these items described in this Data Report on 11-26-99, and state to
the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III,
Division I. Each part listed has been authorized for stamping on the date shown above.

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

Date 11-26-99 Signed [Signature] Commissions TK 1083
(Authorized Nuclear Inspector) [Nat'l Bd. (incl. endorsements) and state or prov. and no.]

Form No. 1207

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

1. Owner F.E.N.O.C. Date 03-26-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 99-224273-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Gate Valve	Walworth	D-69757	1948	2SWS-483	1979	Repaired	Yes

7. Description of Work Weld repair disc in stem engagement area.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Weld restored disc in area that engages the stem.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date March 27, 20 00
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 Insurance Co. of Johnston, R.I. have inspected the components described in the

Owner's Report during the period 12/1/99 to 4/1/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes 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.

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

Date April 1, 20 00

FORM NRV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS ON VALVES

As Required by the Provisions of the Atomic Energy Act, Section 161, Div. 1 PN 31299-029A

1. Manufacturer by Walworth Company, Greensburg Plant, Greensburg, PA, 15601

2. Manufacturer for Duke Electric Company, Shippensburg, PA

3. Location of installation Shippensburg Power Station, Shippensburg, PA

4. Pump or Valve Valve

(a) Model No. (b) N Certificate Holder's (c) Canadian Registration No. (d) Drawing No. (e) Class (f) Year

5202 WK D-69757 N/A 5K-1940-378 3 1940 1979

5. Manufacturer Dougherty Valve Company

6. Drawing No. 288-73, I.C. No. 1220

7. Carbon Steel Valves - 2 1/2" N. End Flange

8. Walworth Company

9. Greensburg, PA, 15601

10. Design Certificate Pressure

11. Code Working Pressure 275

12. Pressure Rating ANSI 150

13. Valve No. 5A 215, VCB

14. Working Seat No. 5A 215, VCB

15. Manufacturer Walworth Co.

16. Remarks 5001 Welded Seat

17. Body - 525, 22

18. Bonnet - 441B, B1A

19. Wedge - 7-21, 23

20. 5A 215, VCB

21. 5A 215, VCB

22. Walworth Co.

23. Walworth Co.

24. Cocsa Faced Seat

25. Cocsa Faced Seat

26. Valve

27. 069757

28. SERIAL NO.

29. For Manual Operation

Map No.	Material Spec. No.	Manufacturer	Quantity
101	SA 191 37	SA 191 37	
102	SA 194 24	SA 194 24	
103	SA 194 24	SA 194 24	
104	SA 194 24	SA 194 24	
105	SA 194 24	SA 194 24	
106	SA 194 24	SA 194 24	
107	SA 194 24	SA 194 24	
108	SA 194 24	SA 194 24	
109	SA 194 24	SA 194 24	
110	SA 194 24	SA 194 24	
111	SA 194 24	SA 194 24	
112	SA 194 24	SA 194 24	
113	SA 194 24	SA 194 24	
114	SA 194 24	SA 194 24	
115	SA 194 24	SA 194 24	
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125	SA 194 24	SA 194 24	
126	SA 194 24	SA 194 24	
127	SA 194 24	SA 194 24	
128	SA 194 24	SA 194 24	
129	SA 194 24	SA 194 24	
130	SA 194 24	SA 194 24	
131	SA 194 24	SA 194 24	
132	SA 194 24	SA 194 24	
133	SA 194 24	SA 194 24	
134	SA 194 24	SA 194 24	
135	SA 194 24	SA 194 24	
136	SA 194 24	SA 194 24	
137	SA 194 24	SA 194 24	
138	SA 194 24	SA 194 24	
139	SA 194 24	SA 194 24	
140	SA 194 24	SA 194 24	
141	SA 194 24	SA 194 24	
142	SA 194 24	SA 194 24	
143	SA 194 24	SA 194 24	
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147	SA 194 24	SA 194 24	
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196	SA 194 24	SA 194 24	
197	SA 194 24	SA 194 24	
198	SA 194 24	SA 194 24	
199	SA 194 24	SA 194 24	
200	SA 194 24	SA 194 24	

5. Material used 425 lb. One different use shown 100 lb.

CERTIFICATE OF COMPLIANCE

We certify that the information made in this report is correct and that the items of which compliance is the basis of construction of the ASME Code for Nuclear Power Plant Components, Section II, Div. 1, Subpart 1971, Appendix 1, June 10, 1972, Code Case No. 1877, are in compliance with the ASME Code.

Signed: Walworth Company

(In Compliance with)

Our ASME Certificate of Authorization No. 1951 is used on N 12/9/90

R. Rupp

R. Rupp

12/9/90

Stamp

CERTIFICATION OF DESIGN

Design the product in the ASME Code Section II, Division 1, Subpart 1971, Appendix 1, June 10, 1972, Code Case No. 1877 is in compliance with the ASME Code.

Design specifications certified by (1) N. H. Schlick

By (2) SA 191 37

Design review certified by (1) N/A

By (2) N/A

Signature not required. List name only.

Walworth Company

Grainburg, PA 15601

CERTIFICATE OF SHOP INSPECTION

The undersigned, holding a valid certificate issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania, 26102 and employed by Walworth Company, has inspected the product in the ASME Code, Section II, Division 1, Subpart 1971, Appendix 1, June 10, 1972, Code Case No. 1877, and has found it to be in compliance with the ASME Code.

By signing this certificate, either the inspector or his employer makes any statement, expressed or implied, concerning the equipment described in this ASME Code, Section II, Division 1, Subpart 1971, Appendix 1, June 10, 1972, Code Case No. 1877, and any statement made by the inspector or his employer shall be liable in any manner or any person's injury or damage, including the cost of any and all damages or losses, to the ASME Code, Section II.

Date 12/27/90 Inspector 12/27/90

Commission 12/27/90

Not to be used after 12/27/90

Form No. 1295

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

1. Owner F.E.N.O.C. Date 06-05-2000
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-217019-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

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

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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Walworth	D-66240	1593	2CCP-105	1977	Repaired	Yes

7. Description of Work Re-tack welded plug to stem.

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

FORM NIS-2 (Back)

9. Remarks Code 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 NPDP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng Date June 5th, 20 00
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/10/00 to 6/7/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Camacho Commissions NB 7509 (WI) PA 2182
Inspector's Signature National Board, State, Province, and Endorsements

Date June 7, 20 00

SERIAL NO: D66240
MARK NO: 2CCP-105
TYPE: VOWO15-A-3
COMMENTS: -----

FORM 990 - MANUFACTURERS' DATA 11-11-11 11:11 PM '11

המחיר הממוצע של המוצר הנמכר הוא 100 ש"ח.

1	Manufacturer's Name	Waltham Co., Greenburg, Pa. 15601					
2	Manufacturer's Name and Address of Manufacturing Plant	Duquesne Light Co. Duquesne, Pa. 15110					
3	Location of Installation	Duquesne Light Power Station, Duquesne, Pa. 15110					
4	Pump or Valve	Valve					
	a. Model No.	b. Manufacturer's Series No.	c. Canadian Registration No.	d. Drawing No.	e. Size	f. Year Built	
5	5225-WLB-BV	246240	N/A	SH-900-14E	3	1593	1977
6	Duquesne Light Company						
7	Duquesne Light Unit No. 2						
8	P. O. No. 25V-73, J. O. No. 12241						
9	Carbon Steel Valves - 2 1/2 In. and Larger						
10	Category I						
11	Waltham Company						
12	Greenburg, PA 15601						

5 Design Conditions _____ psi _____ °F or Valve Pressure Class ANSI 150 (1)
 (Pressure) (Temperature)
 7 Cold Working Pressure 275 psi at 100°F.
 9 Pressure Retaining Pieces

[illegible]

(b) Forgings

VALVE
D66240
SERIAL NO

.. For manually operated valves on ..

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 9-12" 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.

Make No.	Model No.	Manufacturer
Boiling	SA-193, B7	R. E. C. Corp.
Stud 1/4" x 28		
Code 1/4"		
Nut B5501	SA-194, 2H	R. E. C. Corp.
Code 1/4"		
		Greensburg Light Company
		Greensburg, Pa. 15601
		Boiler No. 2
		P.O. No. 254-73, P.O. No. 12241
		Greensburg, Pa. 15601 - 2 1/2 in. and Larger
		Category I

3. Hydrostatic test 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, Division 1, Edition 1971.

Assembled June 30, 1977 Code Case No. 1672 Date 11/9/77

Signed Walworth Co. by G. J. M. Hill

Our ASME Certificate of Authorization No. 950 to use the N symbol expires 1/6/78

(Date)

CERTIFICATION OF DESIGN

Design information on file at Walworth Co., Greensburg, Pa. 15601

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

Design specifications certified by C. O. Richardson, Jr.

PE State PA Reg. No. 016297E VALVE

Stress analysis certified by N/A

PE State PA Reg. No. D 66240

(Signature not required, last name only)

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 of Hartford, Conn. 06102 have inspected the pump or valve described in this Data Report on 11-9-19 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 11-9-19 77

E. Bender (Inspector)

Commissions NB 4207 N

(Nat'l Bd., State, Prov. and No.)

7.

Form No. 1317

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

1. Owner F.E.N.O.C. Date 06-19-2000
(NAME)
- 76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
- Shippingport, PA 15077 W.O. #00-00109-000, -002
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System Fuel Pool Cooling (Class 3)
5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Walworth	A1091	1082	2FNC-109	1978	Repaired	Yes

7. Description of Work Repaired worn areas inside of body and on valve cap.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Worn areas in valve were caused by the disc opening to far
and chattering. Worn areas were not through wall and did not encroach on minimal wall.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date June 22nd, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 4/27/00 to 6/27/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB7504(N,I) PA 2162
National Board, State, Province, and Endorsements

Date June 27, 20 00

SERIAL NO: A1091

MARK NO:

TYPE:

2BV-088

COMMENTS: _____

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 Company/Aloyco Plant, 1400 W. Elizabeth Ave., Linden, New Jersey 07036
Name and Address of Manufacturer
2. Manufactured for Duquesne Light Company, Stone & Webster, Agents, Boston, Mass
Name and Address of Purchaser or Owner
3. Location of Installation Beaver Valley Power Station, Unit 2
Name and Address
4. Pump or Valve Swing Check Valve Nominal Inlet Size 6" Outlet Size 6"
(Inch)

(a) Model No. Serial No. or Type	(b) Manufacturers Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Natl. Std. No.	(g) Year Built
(1) N376SP	A1091		D-50933	3	1082	1978
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

Borated water service

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

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

7. Cold Working Pressure 275 psi at 100°F

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks Heat #
(a) Castings			
Body	SA-351 CF8	Walworth/Aloyco	3399D
Cover	SA-351 CF8	Walworth/Aloyco	7297E
Disc	SA-351 CF8	Walworth/Aloyco	5575C
(b) Forgings			
N/A			

(1) For manually operated valves only.

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

(1/78)

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

Commissions NB 7169 PH WC 256V
(Nat'l Bd., State, Prov. and Co.)

Form No. 1323

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

1. Owner F.E.N.O.C. Date 10-24-00
 (Name)
76 South Main Street-Akron, OH 44308
 (Address) Sheet 1 of 2
2. Plant Beaver Valley Power Station Unit No. 2
 (Name)
Shippingport, PA 15077 DCP-2385
 (Address) Repair Organization P.O. No., Job No., etc.
3. Work Performed By BVPS-Construction Type Code Symbol Stamp N/A
 (Name)
Shippingport, PA 15077 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, Winter Addenda, N-416-1 Code Case
72
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
4" Pipe Cap	N/A	N/A	N/A	Connected to 2-SWS-004-762-3	2000	Replacement	Yes
4" Pipe Cap	N/A	N/A	N/A	Connected to 2-SWS-004-763-3	2000	Replacement	Yes
4" Pipe Cap	N/A	N/A	N/A	Connected to 2-SWS-004-768-3	2000	Replacement	Yes
4" Pipe Cap	N/A	N/A	N/A	Connected to 2-SWS-004-773-3	2000	Replacement	Yes

7. Description of Work Piping modification to Cut and Cap the referenced Service Water System lines.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure psi Test Temp. 55 °F

9. This design change involves replacing the cooling media for Main Steam Valve Room (MSVR) coolers
(2HVR*CLC206A & B) from Service Water System (SWS) to Chilled Water System (CDS). Physical changes involve
cutting and capping 4" SWS inlet and outlet lines to these coolers and connecting the piping to Chilled Water System
(CDS) supply and return headers.
ASME XI is applicable only to the 4" Butt Welded Pipe Cap installed per this design change.
ASME Code Case N-416-1 is being used as an alternative to the required pressure test.
Performed In service Leak test and Visual examination (VT-2) on all welds on these fittings using 1992 ASME XI
Code.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *Sanjib K. Mukherjee*
Sanjib K. Mukherjee, Senior Engineer Date 10-24-00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/4/00 to 10/25/00, and state that to
the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions NB7504(N.I) PA2162
National Board, State, Province, and Endorsements

Date Oct 25, 2000

Form No. 1327

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #00-004301-003
(ADDRESS) REPAIR ORGANIZATION P.O. NO. JOB NO. ETC
3. Work Performed By BVPS - Construction Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date “
4. Identification of System Service Water (Class 3)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped YES or NO
Piping	Power Piping	N-1411-5296	N/A	2-SWS-004-191-3	1986	Replaced	Yes
Elbow	DuBose National Energy	N/A	N/A	Ht #H676L	1999	Replacement	No
Support Lugs	Energy Steel	N/A	N/A	Ht #803Y60940	1997	Replacement	No
Pipe	DuBose National Energy	N/A	N/A	Ht #Y4817	1999	Replacement	No

7. Description of Work Replaced degraded section of pipe and integrally attached support.

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

FORM NIS-2 (Back)

9. Remarks NPP-1 Code Data Report attached. Replaced elbow and pipe (Power Piping S/N N-1141-5296 on SWS-191-7) and support lugs (item 7 on Iso 101936) per Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed: [Signature] Lead Engineer Date January 17th, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/23/00 to 1/17/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (N.I.) PA 216 2
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 17, 20 01

Form No. 1328

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

1. Owner F.E.N.O.C. Date 01-04-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #98-074177-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Chemical & Volume Control (Class 1)

5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, N/A
 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Kerotest	JU1-18	6461	2CHS-1	1977	Replaced	Yes
Globe Valve	BW/IP	95EP0224	N/A	2CHS-1	1995	Replacement	Yes

7. Description of Work Replaced valve with spare.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached. Valve was replaced in accordance with Code Case N-416.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 4th, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/24/00 to 1/8/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimich Commissions NB 7509 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 8, 20 01

Pg. 1 of 2

1 Manufactured and certified by 2300 EAST VERNON AVENUE, VERNON CA. 90058
(Name and address of Manufacturer)

2 Manufactured for DUQUESNE LIGHT CO. BEAVER VALLEY POWER STA. SHIPPINGPORT, PA. 15077
(Name and address of Purchaser)

3 Location of installation DUQUESNE LIGHT CO. BEAVER VALLEY POWER ST. SHIPPINGPORT, PA. 15077
(Name and address)

4 Model No. Series No. or Type GLORE Drawing M-D-9909-(1) Rev E CRN. N/A

5 ASME Code Section III Division I: 1971 WINTER 1972 1 N/A
(edition) (addenda date) (class) (Code Case no.)

6 Pump or valve VALVE Nominal inlet size 2 Outlet size 2
(in.) (in.)

7 Material Body SA182 TYPE 316 Bonnet SA479 TYPE 316 Disk SA479 TYPE 316 Bolting N/A

[illegible]

This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

95F0224

Certificate Holder's Serial No 95F0225

8. Design conditions 2580 psi 650 °F or valve pressure class 1500
(pressure) (temperature)
9. Cold working pressure 3600 psi at 100 °F
10. Hydrostatic test 5400-7450 psi. Disk differential test pressure 3960-4010 psi
11. Remarks: MATERIAL: YOKE SA105 NAME PLATE ATTACHED BY WIRE
CERT. HOLDERS SN YOKE SN
95F0224 306885 SN29
95F0225 JB
ALL PRESSURE BOUNDARY PARTS ARE AS ORIGINALLY SUPPLIED, EXCEPT ONE YOKE REPLACED.

CERTIFICATION OF DESIGN

Design Specification certified by L. IKE EZEKOE P.E. State PA Reg. no. 18379-E
 Design Report certified by ROBERT G. VISALLI P.E. State PA Reg. no. 19068-E

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-1130

Expires JUNE 10, 1996

Date 3/23/95 Name BH/IP INTERNATIONAL INC
 (N Certificate Holder)

Signed [Signature]
 (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALIFORNIA and employed by *ABERRIGHT MUTUAL INS. CO. of ABERRIGHT, MASS. have inspected the pump, or valve, described in this Data Report on 3/23/95, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

*FACTORY MUTUAL ENGINEERING ASSOCIATION

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

Date 3/23/95 Signed [Signature] Commissions CA 1864
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

As Required by the Provision of the 1911 Code Relates

Name & Address of Manufacturer

(Phone and Address)

Prague and the Company

Answer: Yulkyar 12

! Best description of service for child equivalent was designated
JUN-22, JUN-23, JUN-24, JUL-25

U-D-9909-(
Sub. I 052

6444 chru 6468

(b)(7)(C)

en, and workmanship complies with ASME Code Section III, Class

1972

[illegible]

Supplies are all shown in form of bills, receipts or drawings and by need provided (1) size is 8 1/2" x 11", (2) information is given, i. e., to what P. O. No. this data report is related on each sheet, and (3) each sheet is numbered and number of sheets is recorded on top of last item.

FORM NPV-1 (back)

Part No.	Material Spec. No.	Manufacturer	Remarks
(a) Bolting			
(b) Other Parts			
Disc UP-9909-9-(1)	SAK79 Type 316	Carpenter	Material Code OK
Bonnet UP-9909-1-(1)	"	Insulin	"

B. Hydraulic test 3400 psi.

CERTIFICATION OF DESIGN

Design information on file at Kerotest Manufacturing Corp
 Stress analysis report on file at Kerotest Manufacturing Corp
 Design specifications certified by L. Kenneth Deluge (1) Prof. Eng. State Pa. Reg. No. 17725
 Stress analysis report certified by S. J. Caroleo (1) Prof. Eng. State Pa. Reg. No. 17725
 (1) Signature not required. List name only.

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

Date May 16 19 75 Signed Kerotest By S. J. Caroleo
 (Manufacturer) S. J. Caroleo

Certificate of Authorization No. 908 expires 10/28/77

CERTIFICATE OF NIPD 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 The Hartford Steam Boiler of Hartford, Connecticut have inspected the equipment described in this Report on May 16 19 75, 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 to the member for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date May 16 19 75

E. Sander
 (Inspector)

Commission NB4267
 (National Board, State, Province and No.)

Form No. 1329

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-221084-005
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped YES or NO
Globe Valve	Kerotest	DF4-3	5661	2RCS-50	1975	Replaced	Yes
Globe Valve	Kerotest	PS5-5	N/A	2RCS-50	1977	Replacement	Yes

7. Description of Work Replaced valve with spare.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Replaced valve with spare because of previous work done on
valve. Replacement was in accordance with Code Case N-416-1. Previous NIS-2 Data Report
No. 1199.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Engineer Date January 15th, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/24/00 to 1/15/01 and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date _____, 20 _____

Tuesday, September 26, 2000 11:58 AM

Sigma, Inc. (812)258-5275

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 Kerotest Manufacturing Corp., Pittsburgh Pa. NU-6435
(Name and Address of Manufacturer)
2. Manufactured for Tennessee Valley Authority
(Name and Address of Purchaser or Owner)
3. Location of Installation Bellefonte Nuclear Plant, Near Scottsboro, Alabama
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 1 1/2" Outlet Size 1 1/2"
(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)	Globe	PS5-5	N/A	TVB-D-9957-(1)	1	N/A	1977
(2)	Globe	PS5-6	N/A	TVB-D-9957-(1)	1	N/A	1977
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Isolation and/or control valves
(Brief description of service for which equipment was designed)

6. Design Conditions 2465 psi 650 °F or Valve Pressure Class 1500# (1)
(Pressure) (Temperature)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
(b) Forgings			
Body UP-9957-1-(1) Z	SA182, F316	McWilliams Forge	Mat'l Code PS
Yoke P-9910-31P-(1) Z	SA105	Forjas de Asua	Mat'l Code 20

(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.

(1/75)

This form (EC0037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017

FORM NPV-1 (Back)

[illegible]

9. Hydrostatic test 5400 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1, Edition 1974.

Addenda Winter 1975, Code Case No. N/A, Date May 13, 1977

Signed Kerotest by J. S. [Signature] (Manufacturer) 908 N 10-28-77

Our ASME Certificate of Authorization No. to use this (N) (NFV) symbol expires (Date)

CERTIFICATION OF DESIGN

Design information on file at Kerotest Manufacturing Corp.
Stress analysis report (Class 1 only) on file at Kerotest Manufacturing Corp.

Design specifications certified by (1) I.L. Beltz
PE State Tenn. Reg. No. 9702
Stress analysis certified by (1) R.G. Visalli
PE State Pa. Reg. No. 19068E

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, and the State or Province of Pennsylvania and employed by The Hartford Steam Boiler of Hartford, Connecticut have inspected the pump, or valve, described in this Data Report on May 13 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 May 13, 1977
Gayle
(signature)

Commissioner PA. 2052
(Nat'l Bd., State, Prov., and No.)

As Required by the Provisions of the ASUR Code Rules

(no supply per se)

BEAVER VALLEY NO. 2

DP4-2, DP4-3, DP4-4, DP4-5

PIRELLA GÖTTSCHE LOWE

10 1 00

5660 thru 5663

(continued)

Page 69

Case No. NA

[illegible]

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 11/11/01 BY 60322 UCBAW

ASME No.

ASME Spec. No.

ASME Section

(4) Subbing

(A) Other Parts

Part 10-9909-9-(1)

Part 10-9909-3-(1)

SA-679 Type 316

"

Carpenter

"

Mat'l. Code JV

"

EP

6. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file as Kerotest Manufacturing Corp.

Stress analysis report on file as Kerotest Manufacturing Corp.

Design specifications certified by F. Kenneth DeLuge

Stress analysis report certified by G. J. Caroleo

(1) Signature not required. List name only.

(1) Prof. Eng. State Pa. Reg. No. 171285

(1) Prof. Eng. State Pa. Reg. No. 0171442

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

Date February 19 75 Signed at Kerotest

(Signature)

Coefficient of Authorization No. 908 expires 10/28/77

G. J. Caroleo
G. J. Caroleo

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 The Hartford Steam Boiler L&I Co.

of Hartford, Connecticut have inspected the equipment described in this Data Report on February 19 75 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 certification, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 19 75

G. Sevello

Commission NR 4207

(National Board, Boilers, Pressure Vessels and Pumps)

Form No. 1330

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

1. Owner F.E.N.O.C. Date 01-10-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-216603-000, -003
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Class 1)
5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

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

7. Description of Work Replaced valve with spare.

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

FORM NIS-2 (Back)

9. Remarks NV-1 Data Report attached. Replaced valve with spare for testing purposes. Previous
NIS-2 Form Nos: 846, 346, 202, 061, 053, and 044.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Sevin-Eya Date January 10th, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/24/00 to 11/15/01 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch Commissions NB7504(N.I.)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 15, 20 01

CROSBY**CROSBY VALVE & GAGE COMPANY**
WRENTHAM, MASS

ALL 2/23/88

5 01-X 11

FORM NV-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 Co., 43 Kendrick St., Wrentham, MA 02093
HB-86-BP Name and Address

Model No. _____ Order No. N82804 Contract Date 5/24/78 National Board No. _____
Alabama Power Company, 600 North 18th St.

2. Manufactured For Birmingham, Alabama 35291 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 M₁ Pipe Size --- Inlet 6 Outlet 6
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch

6. Set Pressure (PSIG) 2485 650 F
Rated Temperature _____

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

	Serial No. Identification	Material Specification Including Type or Grade
1. Bar Stock & Forgings		
Body	<u>N90490-25-0113</u>	<u>ASME SA182 Gr. F316</u>
Bonnet	<u>N90353-48-0134</u>	<u>ASME SA105 Gr. II</u>
2. Bar Stock and Forgings		
Disc Holder <u>K57220-56-0130</u>	<u>N90553-56-0135</u>	<u>ASTM A637-70 Gr. 718</u> <u>ASME SA637 Gr. 718</u>
Nozzle	<u>N90556-25-0011</u>	<u>ASME SA182 Gr. F316</u>
Disc Insert	<u>N90349-59-0137</u>	<u>Haynes Stellite Alloy #6B</u>
Spring Washers <u>K56380-54-0147</u>	<u>N90350-46-0291</u> <u>N90350-46-0292</u>	<u>ASME SA105 Gr. II</u>
Adjusting Bolt	<u>N90351-33-0004</u>	<u>ASTM A193-70 Gr. B6</u> <u>ASME SA193 Gr. B6</u>
Spindle Point	<u>N90354-56-0159</u>	<u>ASME SA193 Gr. B6</u>
Spindle Ball	<u>N90355-0159</u>	<u>ASTM A276-71 Type 440 C</u>

BECHTEL
412ROUTING FORM # 0009
ASME SECTION XI.

DOCUMENT

ack 4/24/88

ROUTING FORM #0000
ASME SECTION XI.
DOCUMENT
 FC142/24/88

ASME SECTION XI.
 DOCUMENT

2 of 2

	Serial No. or Identification	Material Specification Including Type or Grade
c. Spring K56380-54-0147	<u>NY2761-015R</u>	<u>ASTM A304-76 Gr. 31660H</u>
d. Bolting		
e. Other Parts such as Pilot Components		
Inlet Stud	<u>N90488</u>	<u>ASME SA453 Gr. 660</u>
Inlet Nut	<u>N90489</u>	<u>ASTM A193-69 Gr. B6</u>
Bonnet Stud	<u>100987</u>	<u>ASME SA193 Gr. B6</u>
Bonnet Nut	<u>89997</u>	<u>ASTM A453-71 Gr. 660</u> <u>ASME SA453 Gr. 660</u> <u>ASTM A193-71 Gr. B6</u> <u>ASME SA193 Gr. B6</u>

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. Cleveland
 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 E. Morris 3/27/80
John E. Morris (Inspector) Commissions MASS 1266
 National Board, State, Province and No.

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Division.

Form No. 1332

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

1. Owner F.E.N.O.C. Date 1-17-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 7
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. # 99-218301-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO. JOB NO. ETC

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code III 19 77 Edition, S'79 Addenda, _____
 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Power Relief Valve	Garret Pneumatic	P-122	N/A	2RCS-PCV455C	1983	Repaired	Yes
Plug	Crosby Valve	N96012-65-0124	N/A	N/A	1999	Replaced	No
Plug	Anderson Greenwood Crosby	N96012-67-0129	N-1877	N/A	2000	Replacement	Yes

7. Description of Work Replaced valve plug.

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

FORM NIS-2 (Back)

9. Remarks Code data report attached. Previous NIS-2 Reports 1043, 800, 553, 361, 088.

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.

Replacement _____
Repair Or Replacement

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

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

Cliff Custer - Principle Engineer
Owner or Owner's Designee, Title

Date 1-17, 20 01

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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/24/00 to 11/17/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Custer
Inspector's Signature

Commissions

NB 7504 (N.I) P.P. 2162
National Board, State, Province, and Endorsements

Date

Jan 17, 20 01

Form No. 1334

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

1. Owner F.E.N.O.C. Date 01-10-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-077729-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Safety Injection (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped YES or NO
Piping	Schneider Power	2-SR-11-03-SIS	N/A	2SIS-FE982	1986	----	Yes
Stud	Nova Machine	N/A	N/A	Ht #524462-RRW	1999	Replace-ment	No
Nut	Nova Machine	N/A	N/A	Ht #43717-HVL	1995	Replace-ment	No
Nut	Nova Machine	N/A	N/A	Ht #35218070	1996	Replace-ment	No

7. Description of Work Replaced flow element flange studs and nuts.

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

FORM NIS-2 (Back)

9. Remarks N-5 Code Data Report attached. Studs and Nuts (item 8 on CI-110-143) were replaced
due to boric acid leakage from the flange gasket.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Engineer Date January 15th, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 7/24/00 to 1/16/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 7509 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 16, 20 01

FORM N-5 (Back)

Sheet 2 of 31

CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at Stone & Webster Eng. Corp., Boston, Mass.
 Design Report on file at Stone & Webster Eng. Corp., Boston, Mass.
 Design specifications certified by (1) A.J. Florente PE State Pennsylvania
 Reg. No. 032366E
 Design Report certified by (1) S.D. Greer PE State Pennsylvania
 Reg. No. 35434E # 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: Winter '72 & * Code Case No. * Class 1 & 2 and was performed in
 accordance with the documents listed in 7(a), above.

Our ASME Certificate of Authorization No. M-1824-1 to use the NA Symbol expires 3-12-89
 Refer to ATTACHMENT (7) for material responsibilities (IN, NA) (Date)
 and ATTACHMENT (11) for pressure test responsibilities.
 Date 11/19/86 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 HSBI & I Co.

of Hartford, CT have inspected the installation of the items described in this Data Report on 12-2-86 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 this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12/8 1986 Signed [Signature] Commissions PA-2000
 (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. 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. M-1513-2

Date 2/1/87 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 HSBI & I Co.

of Hartford, Connecticut have inspected the piping described in this Data Report on 2/2-1987 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 2/9 1987
 Signed [Signature] Commissions PA 20524
 (Inspector) (Nat'l Board, State, Province and No.)

Form No. 1335

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

1. Owner F.E.N.O.C. Date 01-03-01
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 3
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-077730-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Safety Injection (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Piping	Schneider Power	2-SR-11-03-SIS	N/A	2SIS-FE985	1986	----	Yes
Stud	Nova Machine	N/A	N/A	Ht #524462-RRW	1999	Replacement	No
Nut	Nova Machine	N/A	N/A	Ht #43717-HVL	1995	Replacement	No

7. Description of Work Replaced flow element flange studs and nuts.

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

FORM NIS-2 (Back)

9. Remarks N-5 Code Data Report attached. Studs and Nuts (item 5 on CI-110-141) were replaced
due to boric acid leakage from the flange gasket.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 9th, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the

Owner's Report during the period 9/24/00 to 1/15/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 NB7304 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 15, 20 01

1. Installed by Schneider Power Corp., 105 Seventh Street, Pittsburgh, PA 15222
 (Name and address of installer or component support supplier or manufacturer)
 2. Installed for Duquesne Light Co., One Oxford Centre, 301 Grant Street, Pittsburgh, PA 15219
 (Name and address of licensee or purchaser or owner)
 3. N Certificate Holder having overall responsibility Stone & Webster Engineering Corporation
 4. Location of installation Beaver Valley Power Station Unit 62, Shippingport, PA 15077
 5. System identification 2-SR-11-03-SIS N/A
 (Mfr Serial No.)
 (Mfr Design 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 NCT Certificate Holders Data Reports)
 (a) Components or Appurtenances (b) Name of (c) Certificate Holder (d) Serial No. (e) Canadian Reg. No. (f) National Bd. No. (g) 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"						

Component Support Installation NO FURTHER ENTRIES

(a) Component	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Reg. Lead Capac.	(e) Canadian Reg. No.	(f) National Bd. No.	(g) Year Built
Component supports are non-code, due to code effective date. See "Additional Material" for "Component Support" for "Integral Attachment Only".						

Additional Material Excluding Welding Material NO FURTHER ENTRIES

(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		

7. (a) Installation in accordance with:
 Procedure or Drawing No. See Attachment (8) "Design Drawings & Revisions"
 See Attachment (9) "Procedures & Specifications" NO FURTHER ENTRIES
 (b) Detection of installation performed See Attachment (10) "Description of Installation Performed" NO FURTHER ENTRIES
 (c) Hydrostatic Test System Working Pressure and Temp. Prepared by Power Piping Company Inspection & Insurance Company HSHI & I CO., Hartford Steam Boiler SPC: Schneider Power Corp. SUEC: Stone & Webster Engineering Corp. Names are used in this report. The following shortened company names are used in this report.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at
Stone & Webster Eng. Corp., Boston, Mass.
Design Report on file at
Stone & Webster Eng. Corp., Boston, Mass.
Design specifications certified by (1) A.J. Florenta PE State Pennsylvania
Reg No. 032366E
Design Report certified by (1) S.D. Greer PE State Pennsylvania
Reg No. 35434E
(1) Signature not required. List name only.
Design Conditions of Piping Pressure Temperature
Working & Design Pressure 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 Date: Winter '72 & Code Case No. 1 & 2
and was performed in accordance with the documents listed in 7(a), above.
Our ASME Certificate of Authorization No. R-1624-1 to use the
Symbol expires 3-12-89
(M. Kai)
Refer to ATTACHMENT (7) for material responsibilities
and ATTACHMENT (11) for pressure test responsibilities.
Signed: *[Signature]* Date: 11/15/86
* SEE ATTACHMENT (12) "Later Code Editions, Addenda, Inquiries 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, have inspected the installation of the items described in this Data Report on 12-2-86 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 will be held in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 12/8 1986 Signed: *[Signature]* Commissions (Natl Board State Province and Nat)

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 statement 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
Signed: *[Signature]* Date 12/8/86
(Natl Board State Province and Nat)

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., have inspected the piping described in this Data Report on 12/12/87 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 held in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 12/12/87 Signed: *[Signature]* Commissions (Natl Board State Province and Nat)

NS DATA REPORT ATTACHMENT 7

2-SR-11-03-018

Sheet 25 of 31

1. INSTALLED BY: Schneider Power Corp., 125 Seventh Street, Pittsburgh, PA 15222
(Name and Address of Installer of Vess. Components, and Accessories)
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 Safety Injection System (SIS) 2-SR-11-03-SIS YEAR INSTALLED 1986
(Matr. Serial No.)

Continued from Sheet 25

ADDITIONAL MATERIAL

SWEC as the N Certificate Holder accepting overall Code responsibility and subcontracting installation to appropriate N/A Certificate Holders retains primary Code responsibility for material purchased by SWEC and provided to installer 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./Hast Code (See Manuf. Data Package for Manuf. Info.)
121	110-141 (ITEM#17)	1/2" CAP	F.S.S/W 6000# SA182 GR.F316 HT#CTE
122	110-141 (ITEM#20)	2" 45° ELBOW	F.S.S/W 6000# SA182 GR.F316 HT#EU
123	110-141 (ITEM#5)	7/8" STUD BOLT	SA193 GR.B6 N/A
124	110-141 (ITEM#5)	7/8" HEX NUT	SA194 GR.6 N/A
125	110-141 (ITEM#14)	1/2" PIPE	SCH.160 SMLS.SA312 TP316 HT#462888
126	109934 (ITEM#3)	3/4" PIPE	SCH.160 SMLS.SA312 TP316 HT#483095
127	109934 (ITEM#4)	3/4" 90° ELBOW	6000# F.S.S/W SA182 GR.F316 HT#CM
128	109934 (ITEM#8)	3/4" CUPOLET	6000# F.S.S/W SA182 GR.F316 HT#4170X
129	109934 (ITEM#11)	3/4" PIPE	SCH.160 SMLS.SA312 TP316 HT#469519
130	109934 (ITEM#12)	1/2" CAP	6000# S/W SA182 F304 HT#CAB
NO FURTHER ENTRIES			

Continued on Sheet 31A

Date 4/1/87 Schneider Power Corp. Signed [Signature]
Date 2/10/86 [Signature] Commissioned [Signature]
Date 2/1/87 Stone & Webster Eng. Corp. Signed [Signature]
Date 2/9/87 [Signature] Commissioned [Signature]

Form No. 1338

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

1. Owner F.E.N.O.C. Date 01-02-01
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #00-021517-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC

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

4. Identification of System Emergency Diesel Lubricating Oil

5. (a) Applicable Construction Code Section III 19 74 Edition, S'74 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Plug Valve	Xomox	89080B-5	N/A	2EGO-36	1986	Repair	Yes

7. Description of Work Welded a drain nipple to valve outlet.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F *N/A

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Added a drain nipple per TER-13499. Drain nipple is
open to atmosphere therefore no leakage test is required.

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 NPDP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Senior Eng Date January 02, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 9/30/00 to 1/5/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB 7509 (N, I) PA 2162
National Board, State, Province, and Endorsements

Date Jan 5, 20 01

Form No. 1339

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

1. Owner F.E.N.O.C. Date 11-27-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #00-021519-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Emergency Diesel Lubricating Oil
5. (a) Applicable Construction Code Section III 19 74 Edition, S'74 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Plug Valve	Xomox	89080B-3	N/A	2EGO-65	1986	Repair	Yes

7. Description of Work Welded a drain nipple to valve outlet.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F *N/A

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Added a drain nipple per TER-13499. Drain nipple is
open to atmosphere therefore no leakage test is required.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Engineer Date November 28, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 9/28/00 to 11/28/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Nov 28, 20 00

Form No. 1340

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-215388-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Steam Vent (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10330	N/A	2SVS-80	1995	Replaced	Yes
Check Valve	Enertech	11026	N/A	2SVS-80	2000	Replacement	Yes

7. Description of Work Replaced valve.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-12569. Previous NIS-2 Data
Report No.-783.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *[Signature]* Senior Engineer Date November 28th, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 4/25/00 to 11/28/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions NB7509 (N.I) PA 2162
National Board, State, Province, and Endorsements

Date Nov 28, 20 00

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[illegible]

REPRINT 6/83

Certificate Holder's Serial No. 11025 & 11026

8. Design conditions 1100 (pressure) psi 560 (temperature) °F or valve pressure class 600 (1)
9. Cold working pressure 1440 psi at 100°F
10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
11. Remarks: Qty 2, Enertech Job Number: 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826 Expires 10/26/02

Date 5/4/00 Name Enertech Signed [Signature]
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartford Steam Boiler of Connecticut have inspected the pump, or valve, described in this Data Report on 5.4.00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5.4.00 Signed [Signature] Commissions CA 1524 NB 9435N
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1341

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street – Akron, OH 44308
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-215389-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Steam Vent (Class 2)

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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10332	N/A	2SVS-81	1995	Replaced	Yes
Check Valve	Enertech	11025	N/A	2SVS-81	2000	Replacement	Yes

7. Description of Work Replaced valve.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-12569. Previous NIS-2 Data
Report No.-784.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] [Signature] Date November 28th, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 4/11/00 to 11/29/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

NB7509(N,I)PA2162
National Board, State, Province, and Endorsements

Date Nov-29, 20 00

Pg. 1 of 2

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REPRINT 6/93

Certificate Holder's Serial No. 11025 & 11026

8. Design conditions 1100 (pressure) psi 560 (temperature) °F or valve pressure class 600
9. Cold working pressure 1440 psi at 100°F
10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
11. Remarks: Qty 2, Enertech Job Number: 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826 Expires 10/26/02

Date 5/4/00 Name Enertech
 (N Certificate Holder)

Signed [Signature]
 (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartford Steam Boiler of Connecticut have inspected the pump, or valve, described in this Data Report on 5.4.00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5.4.00 Signed [Signature] Commissions CA 15240 NB 9435N
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1342

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-215390-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Auxiliary Feedwater (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10164	N/A	2FWE-42A	1993	Replaced	Yes
Check Valve	Enertech	11018	N/A	2FWE-42A	2000	Replacement	Yes
Studs	Nova Machine	N/A	N/A	Ht #69541-RTX	1998	Replacement	No

7. Description of Work Replaced valve and inlet/outlet studs.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-11736. Previous NIS-2 Data
Report No: 674.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed: [Signature] Senior Eng. Date December 22nd, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 12/15/00 to 1/4/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 1504 (N, I) PA 2102
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4, 20 01

Pg. 1 of 2

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REPRINT 6/93

Case 1: 1085 450 Certificate Holder's Serial No. 11017 thru 11024
 8. Design conditions Case 2: 1400 psi 120 °F or valve pressure class 600
 (pressure) (temperature)
 9. Cold working pressure 1440 psi at 100°F
 10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
 11. Remarks: Qty. 8, Enertech Job Number 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826

Expires 10/26/02

Date 5/4/00 Name Enertech
 (IN Certificate Holder)

Signed [Signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartform Steam Boiler of Connecticut have inspected the pump, or valve, described in this Data Report on 5-4-00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5-4-00 Signed [Signature] F. Ray [Signature] Commissions CA1520 NB 9435 N
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1343

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-215391-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Auxilliary Feedwater (Class 2)

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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10160	N/A	2FWE-42B	1993	Replaced	Yes
Check Valve	Enertech	11022	N/A	2FWE-42B	2000	Replacement	Yes
Studs	Nova Machine	N/A	N/A	Ht #84830-PUW	1998	Replacement	No

7. Description of Work Replaced valve and inlet/outlet studs.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-11736. Previous NIS-2 Data
Report No: 675.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date December 22nd, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/5/00 to 1/4/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (N.I) FA 2102
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4, 20 01

Pg. 1 of 2

REPRINT 6/93

Case 1: 1085 450 Certificate Holder's Serial No. 11017 thru 11024
 8. Design conditions Case 2: 1400 psi 120 °F or valve pressure class 600
 (pressure) (temperature)
 9. Cold working pressure 1440 psi at 100°F
 10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
 11. Remarks: Qty. 8, Enertech Job Number 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826

Expires 10/26/02

Date 5/4/00 Name Enertech
 (N Certificate Holder)

Signed *Paul E. Whitaker*
 (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartform Steam Boiler of Connecticut have inspected the pump, or valve, described in this Data Report on 5-4-00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5-4-00 Signed *William F. Ruyter* Commissions CA1520 NB 9435 N
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1344

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-213678-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Auxilliary Feedwater (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10163	N/A	2FWE-43A	1993	Replaced	Yes
Check Valve	Enertech	11024	N/A	2FWE-43A	2000	Replacement	Yes
Studs	Nova Machine	N/A	N/A	Ht #84830-PUW	1998	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #8077124-DJP	1995	Replacement	No

7. Description of Work Replaced valve and inlet/outlet studs and nuts.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-11736. Previous NIS-2 Data
Report No: 676.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 4th, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/5/00 to 1/5/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimach
Inspector's Signature

Commissions

NB7509(WI) PA2102
National Board, State, Province, and Endorsements

Date

Jan 5, 20 01

Pg. 1 of 2

[illegible]

REPRINT 6/93

Case 1: 1085 450 Certificate Holder's Serial No. 11017 thru 11024
 8. Design conditions Case 2: 1400 psi 120 °F or valve pressure class 600
 (pressure) (temperature)
 9. Cold working pressure 1440 psi at 100°F
 10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
 11. Remarks: Qty. 8, Enertech Job Number 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826 Expires 10/26/02

Date 5/4/00 Name Enertech Signed Dan E. Whitaker
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartform Steam Boiler of Connecticut have inspected the pump, or valve, described in this Data Report on 5-4-00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5-4-00 Signed Linda F. Ray Commissions CA1520 NB 9435 N
 (Authorized Inspector) (Net'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1345

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

1. Owner F.E.N.O.C.
(NAME)Date 10-25-0076 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 22. Plant Beaver Valley Power Station
(NAME)Unit No. 2Shippingport, PA 15077
(ADDRESS)W.O. #99-213712-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By BVPS - Maintenance
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Auxilliary Feedwater (Class 2)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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10165	N/A	2FWE-43B	1993	Replaced	Yes
Check Valve	Enertech	11017	N/A	2FWE-43B	2000	Replacement	Yes
Studs	Nova Machine	N/A	N/A	Ht #84830-PUW	1998	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht # 8077124-DJP	1995	Replacement	No

7. Description of Work Replaced valve and inlet/outlet studs and nuts.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-11736. Previous NIS-2 Data
Report No: 677.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 4th, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/5/00 to 1/8/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimich Commissions NB 7509 (N, I) 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 8, 20 01

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

Pg. 1 of 2

Enertech, a Div. of Curtiss-Wright Flow Control Corp.
2050 Birch Street, Broomfield, CO 80020

1. Manufactured and certified by 2950 Birch Street; Brea, CA 92821
(name and address of N Certificate Holder)
2. Manufactured for First Energy Corp.; P.O. Box 345; Shippingport, PA 15077
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station; Rt. 168; Shippingport, PA 15077
Nozzle Check (name and address)
4. Model No., Series No., or Type DRV-Z Drawing PD99474 Rev. B CRN None
5. ASME Code, Section III, Division 1: 1974 Summer '74 2 None
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 4 Outlet size 4
(in.) (in.)
7. Material: Body SA 105 Bonnet NA Disk SA479 Type 316 Bolting N/A

[illegible]

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

Case 1: 1085 450 Certificate Holder's Serial No. 11017 thru 11024
 Case 2: 1400 120
 8. Design conditions (pressure) psi (temperature) °F or valve pressure class 600
 9. Cold working pressure 1440 psi at 100°F
 10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
 11. Remarks: Qty. 8, Enertech Job Number 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826

Expires 10/26/02

Date 5/4/00 Name Enertech
 (N Certificate Holder)

Signed *Paul E. Whitaker*
 (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartform Steam Boiler of Connecticut have inspected the pump, or valve, described in this Data Report on 5-4-00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5-4-00 Signed *David F. Ray* Commissions CA1520 NB 9435 N'
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1346

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-215439-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Auxilliary Feedwater (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10162	N/A	2FWE-44A	1993	Replaced	Yes
Check Valve	Enertech	11023	N/A	2FWE-44A	2000	Replacement	Yes
Studs	Nova Machine	N/A	N/A	Ht #84830-PUW& #69541-RTX	1998	Replacement	No

7. Description of Work Replaced valve and inlet/outlet studs.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-11736. Previous NIS-2 Data
Report No: 678.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date December 22nd, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/5/00 to 1/5/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimech
Inspector's Signature

Commissions NB 7509 (VI) PA 2162
National Board, State, Province, and Endorsements

Date Jan 5, 20 01

Pg. 1 of 2

Enertech, a Div. of Curtiss-Wright Flow Control Corp.

1. Manufactured and certified by 2950 Birch Street; Brea, CA 92821
(name and address of N Certificate Holder)

2. Manufactured for First Energy Corp.; P.O. Box 345; Shippingport, PA 15077
(name and address of Purchaser)

3. Location of installation Beaver Valley Power Station; Rt. 168; Shippingport, PA 15077
Nozzle Check
(name and address)

4. Model No., Series No., or Type DRV-Z Drawing PD99474 Rev. B CRN None

5. ASME Code, Section III, Division 1: 1974 Summer '74 2 None
(edition) (addenda date) (class) (Code Case no.)

6. Pump or valve Valve Nominal inlet size 4 Outlet size 4
(in.) (in.)

7. Material: Body SA 105 Bonnet NA Disk SA479 Type 316 Bolting N/A

[illegible]

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Case 1: 1085 450 Certificate Holder's Serial No. 11017 thru 11024
 Case 2: 1400 120
 8. Design conditions (pressure) psi (temperature) °F or valve pressure class 600
 9. Cold working pressure 1440 psi at 100°F
 10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
 11. Remarks: Qty. 8, Enertech Job Number 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826 Expires 10/26/02
 Date 5/4/00 Name Enertech Signed Dan E. Whitaker
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartform Steam Boiler of Connecticut have inspected the pump, or valve, described in this Data Report on 5-4-00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5-4-00 Signed David F. Ruyter Commissions CA1520 NB 9435 N
 (Authorized Inspector) (Net'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1347

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-215440-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Auxilliary Feedwater (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10161	N/A	2FWE-44B	1993	Replaced	Yes
Check Valve	Enertech	11020	N/A	2FWE-44B	2000	Replacement	Yes
Studs	Nova Machine	N/A	N/A	Ht #69541-RTX	1998	Replacement	No

7. Description of Work Replaced valve and inlet/outlet studs.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-11736. Previous NIS-2 Data
Report No: 679.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *Robert Cinelli* Senior Eng. Date December 22nd, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 10/5/00 to 11/9/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cinelli Commissions NB 7504 (N.I.) PA 2102
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4, 20 01

Pg. 1 of 2

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Case 1: 1085 450 Certificate Holder's Serial No. 11017 thru 11024
 8. Design conditions Case 2: 1400 psi 120 °F or valve pressure class 600
 (pressure) (temperature)
 9. Cold working pressure 1440 psi at 100°F
 10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
 11. Remarks: Qty. 8, Enertech Job Number 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826

Expires 10/26/02

Date 5/4/00 Name Enertech
 (N Certificate Holder)

Signed *Don E. Whitaker*
 (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartform Steam Boiler of Connecticut have inspected the pump, or valve, described in this Data Report on 5-4-00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5-4-00 Signed *W. F. Ray* Commissions CA1524 ND 9435 N
 (Authorized Inspector) (Nat'l. Bd. incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1348

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

1. Owner F.E.N.O.C. Date 1-16-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-218646-002
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Recirculation Spray (Class 2)

5. (a) Applicable Construction Code III 19 71 Edition, S72A Addenda, _____
 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped YES or NO
Heat Exchanger	Joseph Oat Corp.	2189-D	893	2RSS-E21D	1976	Repaired	YES
Nuts	Nova Machine	N/A	N/A	HT 36543	2000	Replacements	No
Nuts	Nova Machine	N/A	N/A	HT 43717	2000	Replacements	No
Nuts	Nova Machine	N/A	N/A	HT 49184	2000	Replacements	No
Studs	Nova Machine	N/A	N/A	HT 524462	2000	Replacements	No

7. Description of Work Replaced six studs and 12 nuts

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

FORM NIS-2 (Back

9. Remarks Previous NIS-2 reports 573 and 328.

* Per interpretation XI-1-95-52 - No pressure test was performed.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Cliff Custer - Principle Engineer Date 1-17 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 7/28/00 to 11/17/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert C. Amos Commissions NB 750 (N.I.) FIA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 17 20 01

Form No. 1349

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

1. Owner F.E.N.O.C. Date 01-08-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-077873-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO. JOB NO. ETC.

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

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Valve	Walworth	D-63717	1091	2SWS-716	1977	---	Yes
Disc	Crane-Aloyco	A5727	N/A	Ht #B1240	1987	Replacement	Yes

7. Description of Work Replaced valve disc.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F *N/A

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Disc was replaced due to leak-by.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Engineer Date January 15th, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 12/2/00 to 1/16/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Jan 16, 20 01

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

As Required by the Provisions of the ASME Code, Section III, Division 1
Not To Exceed One Day's Production

Page 1 of 1

- Manufactured and certified by CRANE-ALOYCO, INC. 12 E. DEVONWOOD ROMEVILLE, IL 60441
(name and address of certificate holder)
- Manufactured for DUQUESNE LIGHT CO. 301 GRANT ST. PITTSBURGH, PA 15279
(name and address of purchaser)
- Location of installation BEAVER VALLEY PWR STA #1 SHIPPINGPORT, PA 15077
(name and address)
- Type B-7512-190S4-L SA216 - WCB 70,000 MIN N/A 1987
(drawing no.) (mat'l. spec. no.) (nominal strength) (CRN) (year built)
- ASME Code, Section III: 1971 SUMMER 1972 3 N/A
(edition) (addenda) (class) (Code Case no.)
- Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
CAI SO N00082 (006) CUST. PO D-023505 (No.)
- Remarks: ONE (1) PIECE WEDGE - P/N 0656935 CUST. ID 961017 FOR: 4" 5202WE 150# GATE VALVE
ASSY DWG: SK-1940-27H

MFG: AMERICAN FOUNDRY BIXBY, OKLAHOMA HEAT B-1240 TL: SLHO-1

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) A5727	N/A	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

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

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

This form (F 00046) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017.

FORM N-2 (back)

Mfr. Serial No. A5727

CERTIFICATE OF DESIGN

Design specifications certified by ALAN J. FIORENTE P. E. state PA Reg. no. 032366-E
(when applicable)
 Design report* certified by N/A P. E. state N/A Reg. no. N/A
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization no. N-2077 Expires APRIL 7, 1990

Date 11-28-87 Name CRANE-ALOYCO, INC. Signed J. P. Pappas
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or province of ILLINOIS and employed by LUMBERMENS MUTUAL CASUALTY COMPANY
 of LONG GROVE, IL have inspected these items described in this data report on NOV. 28, 1987 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 11-28-1987 Signed J. C. Pappas Commissions 1161005
(authorized inspector) (N.B. Bd. (incl. endorsement) state or prov. and no.)

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., Shippingport, Pa.
(Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Shippingport, Beaver County, Pa.
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 4" Outlet Size 4"
(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) 5202 WE BB	D-63717	N/A	SK-1940-27E	3	1091	1977
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

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

6. Design Conditions 275 psi (Pressure) 100 °F (Temperature) or Valve Pressure Class ANSI 150 (1)

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

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body 336C P3	SA-216, WCB	Valve Castings	Seal Welded Seats
Bonnet 949E P9	SA-216, WCB	Valve Castings	Co Cr A Backseat
Wedge E61 P13	SA-216, WCB	Walworth Co.	Co Cr A Faced
(b) Forgings			
Duquesne Light Company Beaver Valley Unit No. 2 P. O. No. 25V-73, J.O. No. 12241 Carbon Steel Valves - 2 1/2 In. and Larger Category 1			
Walworth Company Greensburg, PA 15601			

VALVE
D63717
SERIAL NO.

- (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) Existing			
Stud 34131	SA193, B7	R. E. C. Corp.	
Code 53			
Nut 2075N	SA194, 2H	Wm. H. Haskell	
Code 63		Mfg. Co.	
Nut 22341	SA194, 2H	Wm. H. Haskell	
Code "GH"		Mfg. Co.	
(d) Other Parts			
		Duquesne Light Company	
		Beaver Valley Unit No. 2	
		P. O. No. 28V-73, J. O. No. 12241	
		Carbon Steel Valves - 2½ in. and Larger	
		Category 1	
		Walworth Company	
		Greensburg, PA 15601	

9. Hydrostatic test 425 psi.

CERTIFICATE OF COMPLIANCE

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

Accession June 30, 1972 (Date) Code Case No. 1672 Date 1/30/77

Signed Walworth Co. (Manufacturer) by G. J. M. Hill

Our ASME Certificate of Authorization No. 950 to use the N (N) (NPV) symbol expires 1/6/78 (Date)

CERTIFICATION OF DESIGN

Design information on file at Walworth Co., Greensburg, Pa. 15601

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

Design specifications certified by (1) C. O. Richardson, Jr.PE State PA Reg. No. 016297-EStress analysis certified by (1) N/APE State PA Reg. No.

(1) Signature not required. List name only.

VALVE

D63717

CERTIFICATE OF SHOP INSPECTION

SERIAL NO.

I, the undersigned, holding 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 1-30-1977 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.

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 1-30-1977Signature [Signature] (Inspector)Commissions N54207N (Nsr) Ed. State, Prov. and No.)

30007

Form No. 1351

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

1. Owner F.E.N.O.C. Date 01-10-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #00-023380-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO. JOB NO. ETC
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Chemical and Volume Control (Class 2)
5. (a) Applicable Construction Code Section III 19th Edition, 71 Addenda, S'72 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Fisher Controls	5726057	2370	2CHS-AOV200C	1977	---	Yes
Plug Assembly	Fisher Controls	LB7212-1	N/A	Ht #79890-1	1993	Replacement	Yes

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

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Replaced valve plug/stem assembly due to leak-by.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 11th, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 10/12/00 to 1/15/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7504(NI)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 15, 20 01

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

Pg. 1 of 1

1. Manufactured and certified by Fisher Controls Int'l Inc., 205 S. Center St., Marshalltown, IA 501552. Manufactured for Equipment & Controls, Inc., Box 12895, Pittsburgh, PA 152403. Location of installation Beaver Valley Power Station, Shippingport, PA 150774. Size 21A8982 Rev. B SA-479-S31000 75.0 KSI N/A 19935. ASME Code Section 1 1971 Summer 1972 N/A6. Fabricated in accordance with Const. Spec. Rev. N/A Revision N/A Date N/A7. Remarks Design: ASME B4PVC Sect III 1971 Edition, Summer 1972 Addenda, Class 1Other: ASME B4PVC Sect III 1986 Edition, No Addenda, Class 1

Parts Are For Valve S/N 5945206

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

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

Part or Appurtenance Serial Number	Welding Forging Heat Number	Part or Appurtenance Serial Number	National Board Number in Numerical Order
1. LB7212-1	79590-1	(26)	
2		(27)	
3		(28)	
4		(29)	
5		(30)	
6		(31)	
7		(32)	
8		(33)	
9		(34)	
10		(35)	
11		(36)	
12		(37)	
13		(38)	
14		(39)	
15		(40)	
16		(41)	
17		(42)	
18		(43)	
19		(44)	
20		(45)	
21		(46)	
22		(47)	
23		(48)	
24		(49)	
25		(50)	

10. Design pressure 2485 psi Temp 650 °F Hydro test pressure N/A at temp. °F

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

12 861

This form (E00040) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. _____

CERTIFICATION OF DESIGN

Design of this item certified by Henry P. Leonard P.E. State PA Reg. No. 28988-3
 Design of this item certified by N/A P.E. State N/A Reg. No. N/A

CERTIFICATE OF SHOP COMPLIANCE

Attest that the statements made in this report are correct and that this (these) Drive Plug
 conforms to the rules of construction of the ASME Code, Section I

App. Certificate of Authorization No. 1930 Expires 11-18-95
 Date 2-2-93 Name Fisher Controls Int'l Inc. Signed David L. Curran

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 Conn and employed by Hartford SBI & I Co.
Hartford, Conn have inspected these items described in this Data Report on 2-4-93 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section I. This certificate has been authorized for stamping on the date shown above.
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 2-2-93 Signed L. J. Curran Commissions 822 I.A.

Form No. 1352

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

1. Owner F.E.N.O.C. Date 01-05-01
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #97-068214-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Gate Valve	Walworth	D66408	1669	2SWS-79	1977	---	Yes
Gate	Crane Nuclear	C8993	N/A	N/A	2000	Replacement	Yes

7. Description of Work Replaced valve wedge.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve gate (wedge) was replaced due to leak-by.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 8th, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/21/00 to 11/9/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509(C, I) PH 216 L
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4, 20 01

Form No. 1353

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

1. Owner F.E.N.O.C. Date 01-08-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 3
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-077735-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Residual Heat Removal (Class 2)
5. (a) Applicable Construction Code Section III 19 71 Edition, W72 Addenda, N/A
Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Walworth	A3364	1209	2RHS-15	1979	----	Yes
Disc	Crane Nuclear	C9480	N/A	N/A	2000	Replacement	Yes

7. Description of Work Replaced valve disc.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure 32 psi Test Temp. 72 °F

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Replaced valve disc due to leak-by.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 8th, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 5/2/00 to 1/15/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 7504 (A, I) PA 2102
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 15, 20 01

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

Pg. 1 of 2

1. Manufactured and certified by CRANE Nuclear, Inc., 860 Remington Boulevard, Bolingbrook, IL 60440
(name and address of NPT Certificate Holder)
2. Manufactured for First Energy Corporation, PO Box 345, Shippingport, PA 15077
(name and address of purchaser)
3. Location of installation Beaver Valley Power Station, Route 168, PO Box 4, Shippingport, PA 15077
(name and address)
4. Type CB02485 Rev. A SA351 Gr. CF8 70 KSI (Min.) N/A 2000
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1971 Winter 1972 2 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: PO No. 7035620 Rev. 0, Item 2 SO No. 11724-02 6" Disc, P/N 41960, w/Stellite #6 Hardfacing
For a 6" N-2316-SP, 300#, Globe Valve Assy Drawing No. D-52911, Rev. 5 ** No Hydro performed
Material supplier: PRL Industries, Inc., Ht. No. 00193, PRL S/N: M570
8. Nom. thickness (in.) 1.00 Min. design thickness (in.) 0.984 Dia. ID (ft. & in.) 6 1/2" Length overall (ft. & in.) 3 3/4"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) C9480	N/A
(2)	
(3)	
(4)	
(5)	
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(10)	
(11)	
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(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
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(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure ANSI 300 psi. Temp. ANSI 300 °F. Hydro. test pressure ** at temp. °F
(when applicable)

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

FORM N-2 (Back) — Pg. 2 of 2

Certificate Holder's Serial Nos. C9480 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by Alan J. Fiorente P.E. State PA Reg. No. 032366-E
(when applicable)

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Disc - P/N 41960
conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2900 Expires September 24, 2002

Date 09/21/00 Name CRANE Nuclear, Inc. Signed Jerome A. Kurowski
(NPT Certificate Holder) (Authorized Representative)
Jerome A. Kurowski, P.E.
Sr. Quality Assurance Engineer

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 Illinois and employed by Factory Mutual Insurance Company of Johnston, RI have inspected these items described in this Data Report on 09/21/00 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 09/21/00 Signed Ronald A. Weiss Commissions Illinois 1296
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. Endorsements) and state or prov. and no.)

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

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

1400 W. Elizabeth Avenue

1. Manufactured by Walworth Company/Aloyco Plant, Linden, New Jersey 07036
(Name and Address of N Certificate Holder)
2. Manufactured for Duquesne Light Company, Agents: Stone & Webster, Boston, Mass.
(Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Unit 2
(Name and Address)

4. Pump or Valve 6" N2316 SP Nominal Inlet Size 6" Outlet Size 6"
300# Globe Valve (inch) (inch)

(a) Model No. (b) N Certificate Holder's (c) Canadian

Series No.
or Type

Serial
No.

Registration
No.

(d) Drawing
No.

(e) Class

(f) Nat'l
Std. No.

(g) Year
Built

(1)	N2316SP	A3364		D52911	2	1209	1979
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

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

6. Design Conditions Pressure 750 psi Temperature 100°F or Valve Pressure Class 300# (1)

7. Cold Working Pressure 750 psi at 100°F.

8. Pressure Retaining Pieces

Part No.	Material Spec. No.	Manufacturer	Remarks Heat #
(a) Castings			
Body	SA-351, CFB	Walworth/Aloyco	4732D
Bonnet	SA-351, CFB	Walworth/Aloyco	4719D
Disc	SA-351, CFB	Walworth/Aloyco	8100C
(b) Forgings			
<div style="text-align: center;"> RECEIVED OCT 9 1979 Stone & Webster Engineering Corporation Document Review </div>			

(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 Rear #
(c) Bolting			
Studs	SA-193, GR88	B&G Manufacturing	X135T
Nuts	SA-194, GR8	B&G Manufacturing	S-469
(d) Other Parts			
Pipe Plug	SA-182, TPF 304	A.B. Murray	LG

9. Hydrostatic test 1125 psi. Disk Differential test pressure 750 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. 1672 Date Sept 22, 1974
 Signed Walworth Company/Aloyco Plant by Frank Truppi Manager Q.A.
 Our ASME Certificate of Authorization No. N-2076 to use the N symbol expires 4-7-81
(Date)

CERTIFICATION OF DESIGN

Design information on file at Walworth Company/Aloyco Plant
 Stress analysis report (Class 1 only) on file at Not required

Design specifications certified by (1) Faruk A. Gopalani

PE State PA Reg. No. 21966-E

Stress analysis certified by (1) Not required

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 New Jersey and employed by ESB&I Co. of Hartford, Conn have inspected the pump, or valve, described in this Data Report on 9/27 19 77, 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 9/27 19 77
John J. Jones
(Inspector)

Commissions # 8499
(Natl Bd., State, Prov. and No.)

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

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

Pg. 1 of 2

1. Manufactured and certified by CRANE Nuclear, Inc., 860 Remington Boulevard, Bolingbrook, IL 60440
(name and address of NPT Certificate Holder)
2. Manufactured for First Energy Corporation, PO Box 345, Shippingport, PA 15077
(name and address of purchaser)
3. Location of installation Beaver Valley Power Station, Route 168, PO Box 4, Shippingport, PA 15077
(name and address)
4. Type B7510-19 Rev. K SA216 Gr. WCB 70 KSI (Min.) N/A 2000
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1971 Summer 1972 3 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: PO No. 102360, Rev. 0, Item 1 SO No. 10970-01 3" Wedge, P/N 656932, w/Stellite #6 Hardfacing
For a 3" 5202WE, 150#, Gate Valve Assy Drawing No. SK-1940-27, Rev. H ** No Hydro performed *** Part was not "NPT" Stamped
due to size and/or configuration. Material supplier: PRL Industries, Inc., Ht. No. 0035, PRL S/N: M5
8. Nom. thickness (in.) 0.88 Min. design thickness (in.) 0.88 Dia. ID (ft. & in.) 3.97" Length overall (ft. & in.) 2.16"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) <u>C8993</u>	<u>N/A</u>
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

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

10. Design pressure ANSI 150 psi. Temp. ANSI 150 °F. Hydro. test pressure ** at temp. °F.
(when applicable)

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

FORM N-2 (Back) --- Pg. 2 of 2

Certificate Holder's Serial Nos. C8993 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by Alan J. Fiorente P.E. State PA Reg. No. 032366-E
(when applicable)

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Wedge - P/N 656932
conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2900 Expires September 24, 2002

Date 06/30/00 Name CRANE Nuclear, Inc. Signed Garrett Petrovich
(NPT Certificate Holder) (Authorized Representative)
Lead Sr. Quality Assurance Engineer

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 Illinois and employed by Factory Mutual Insurance Company of Johnston, RI have inspected these items described in this Data Report on 06/30/00 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 06/30/00 Signed Ron Weiss Commissions Illinois 1296
(Authorized Nuclear Inspector) (Nat'l Bd. (incl. Endorsements) and state or prov. and no.)

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 Company, Greensburg, Plant, Greensburg, Pa. 15601
(Name and Address of Manufacturer)
2. Manufactured for Duquesne Light Company, Shippingport, Pa.
(Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Beaver County, Shippingport, Pa.
(Name and Address)
4. Pump or Valve: Valve Nominal Inlet Size 3" (inches) Outlet Size 3

(a) Model No., Series No., or Type	(b) Manufacturers' Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Natl. Std. No.	(g) Year Built
(1) 5202 WE	D66408	N/A	SK 1940-27E	3	1669	1977
(2)	Duquesne Light Company					
(3)	Beaver Valley Unit No. 2					
(4)	P. O. No. 28V-73, J. O. No. 12241					
(5)	Carbon Steel Valves - 2 1/2 In. and Larger					
(6)	Category 1					
(7)	VALVE					
(8)	Walworth Company					
(9)	Greensburg, PA 15601					
(10)	D66408					

5. Oil/Steam/Water

(Brief description of service for which equipment was designed)

SERIAL NO.

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

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body G162 P3	SA 216, WCB	Walworth Co.	Seal Welded Seat
Bonnet G133 P7	SA 216, WCB	Walworth Co.	CoCrA Backseat
Wedge H187 P2	SA 216, WCB	Walworth Co.	CoCrA Faced
(b) Forgings			
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 1			
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.

~~SERIAL NO.~~

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.
 Issued: June 30, 1972, Code Case No. 1672, Date: 12/29/77
 Signed Walworth Company by G. J. Hill
 (Manufacturer)
 Our ASME Certificate of Authorization No. N-950 to use the N symbol expires 1/5/78
 (IN) (NFV) (Date)

Design information on file at Walworth Company, Greensburg, Pa. 15601
 Stress analysis report (Class 1 only) on file at N/A
Steeles Light Company
Essex Valley Unit No. 2
 Design specifications certified by (1) C. O. Richardson, Jr. P. O. No. 29V-73, I.O. No. 12251
 of State Pa. Reg. No. 016297E
Carbon Steel Valves - 2½ In. and Larger
 Stress analysis certified by (1) N/A
 of State _____ Reg. No. _____
 Category 1
 11 Signature not required. Use name only.
Walworth Company
Greensburg, PA 15601

I am, undersigned, holding 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 of Hartford, Conn. 06102 have inspected the pump, or valve, described in this Data Report on 12/29/1977 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 12/29/1977
J. H. [Signature] Inspector
Commissions NB 32571 PA 2220
(Incl. 3d. State, Prov. and No.)

Form No. 1354

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

1. Owner F.E.N.O.C. Date 11-27-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 3
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-223150-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Chemical and Volume Control (Class 2)
5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Glove Valve	Kerotest	E011-3	6067	2CHS-484	1975	----	Yes
Disc	Flowserve Corp.	4	N/A	Ht #718665	2000	Replacement	Yes

7. Description of Work Replaced valve disc.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve disc was replaced due to leak-by. System leakage test not required due to ASME Interpretation XI-1-95-48.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 8th, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 12/4/00 to 1/7/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

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

Date Jan 9, 20 01

108314..

1. The first part of the document is a header section containing the following information:

- 1.1. The name of the company: "The First National Bank of the United States"
- 1.2. The address of the company: "100 Wall Street, New York, New York 10038"
- 1.3. The name of the branch: "New York City Branch"
- 1.4. The name of the manager: "John Doe"
- 1.5. The name of the customer: "Jane Smith"
- 1.6. The name of the account: "Checking Account"
- 1.7. The name of the branch: "New York City Branch"
- 1.8. The name of the manager: "John Doe"
- 1.9. The name of the customer: "Jane Smith"
- 1.10. The name of the account: "Checking Account"

Edition 1971, Addenda Date Winter 1972, Case No. N/A

* 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, 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			
(d) Other Parts			
Disc UP-9909-9-(1)	SA479 Type 316	Carpenter	Mat'l. Code KJ
Bonnet UP-9909-3-(1)	"	Joslyn	" LL

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Kerotest Manufacturing Corp.
 Stress analysis report on file at N/A
 Design specifications certified by F. Kenneth DeLuse (1) Prof. Eng. State Pa. Reg. No. 17128E
 Stress analysis report certified by N/A (1) Prof. Eng. State Reg. No.
 (1) Signature not required. List name only.

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

Date April 4, 19 75 Signed Kerotest By S. J. Caroleo
 (Manufacturer)
 Certificate of Authorization No. 908 expires 10/28/77

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by The Hartford Steam Boiler, LI Co. of Hartford, Connecticut have inspected the equipment described in this Data Report on April 4, 19 75, 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 April 4, 19 75

S. J. Caroleo Commissioner MB 4750
 (Inspector) (National Board, State, Province and No.)

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Flowserve Corp., 701 First Street, Williamsport, PA 17701
(Name and address of NPT Certificate Holder)
- (b) Manufactured for First Energy Corporation, P.O. Box 345, Shippingport, PA 15077
(Name and address of NPT Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part S/N - 4, 5 & 6 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 72622749 Drawing Prepared by Flowserve Corp.
- (b) Description of Part Inspected DISC Heat #718665 SA479-316
- (c) Applicable ASME Code: Section III, Edition 1977, Addenda date 5/77, Case No. -- Class 2
3. Remarks: 2"-1500# Y-Globe
(Brief description of service for which component was designed)
- Flowserve Shop Order #E010R-1

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

Date 6/9/2000 Signed Flowserve Corp. By R L Stannett
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/01 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at _____

Stress analysis report on file at _____

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

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

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 2-18-00 thru 6-12-00 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date JUN 12 2000  256 Commissions Pennsylvania 2392
Inspector's Signature Charles Young National Board, State, Province and No.

*Supplemental sheets in form of lists, schedules or drawings may be used provided (1) scale is 8 1/2" x 11", (2) information in items 1-2 on this Data Report is not used on more than one sheet, and (3) each sheet is numbered and included in the number of sheets as returned to item 3. Approved

Form No. 1355

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #97-067746-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Auxilliary Feedwater (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10157	N/A	2FWE-99	1993	Replaced	Yes
Check Valve	Enertech	11019	N/A	2FWE-99	2000	Replacement	Yes
Studs	Nova Machine	N/A	N/A	Ht #84830-PUW	1998	Replacement	No

7. Description of Work Replaced valve and inlet/outlet studs.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-11736. Previous NIS-2 Data
Report Nos: 966, 667, 507.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date December 22nd, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/16/00 to 11/4/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 7504 (N, I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4, 20 01

Pg. 1 of 2

[illegible]

REPRINT 6/93

Case 1: 1085 450 Certificate Holder's Serial No. 11017 thru 11024
 8. Design conditions Case 2: 1400 psi 120 °F or valve pressure class 600
 (pressure) (temperature)
 9. Cold working pressure 1440 psi at 100°F
 10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
 11. Remarks: Qty. 8, Enertech Job Number 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826

Expires 10/26/02

Date 5/4/00 Name Enertech
 (N Certificate Holder)

Signed *Paul E. Whitaker*
 (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartform Steam Boiler of Connecticut have inspected the pump, or valve, described in this Data Report on 5.4.00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5.4.00 Signed *W. F. Ray* Commissions CA1526 NB 9435 N
 (Authorized Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

Form No. 1356

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

1. Owner F.E.N.O.C. Date 10-25-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #97-067747-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Auxilliary Feedwater (Class 2)
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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Enertech	10159	N/A	2FWE-101	1993	Replaced	Yes
Check Valve	Enertech	11021	N/A	2FWE-101	2000	Replacement	Yes
Studs	Nova Machine	N/A	N/A	Ht #69541-RTX	1998	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #8077124-MTX	1999	Replacement	No

7. Description of Work Replaced valve and inlet/outlet studs and nuts.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Valve was replaced per TER-11736. Previous NIS-2 Data
Report Nos: 968, 669, 507, 371, and 214.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date December 22nd, 20 00
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/16/00 to 1/4/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimich Commissions NB-7504 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 4, 20 01

Case 1: 1085 450 Certificate Holder's Serial No. 11017 thru 11024
 8. Design conditions Case 2: 1400 psi 120 °F or valve pressure class 600
 (pressure) (temperature)
 9. Cold working pressure 1440 psi at 100°F
 10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi
 11. Remarks: Qty. 8, Enertech Job Number 22361V

CERTIFICATION OF DESIGN

Design Specification certified by Frank W. Gardner P.E. State PA Reg. no. 036614-E
 Design Report certified by Ira J. Silverman P.E. State CA Reg. no. 23241

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826

Expires 10/26/02

Date 5/4/00 Name Enertech
 (N Certificate Holder)

Signed [Signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartform Steam Boiler of Connecticut, have inspected the pump, or valve, described in this Data Report on 5.4.00, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 5.4.00 Signed [Signature] (Authorized Inspector) Commissions CA1520 NB 9435 N'
 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1357

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

1. Owner F.E.N.O.C. Date 11-27-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-215853-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Feedwater (Class 3)
5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Copes-Vulcan	7310-95255-1-1	787	2FWS-FCV478	1977	---	Yes
Stud	Nova Machine	N/A	N/A	Ht #94693-CWM	1996	Replacement	No
Nut	Nova Machine	N/A	N/A	Ht #73265-32-2SAS	2000	Replacement	No

7. Description of Work Replaced stud and nut.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report Nos: 898, 794, 383, 130, 077.

Valve cage was replaced with a new design per TER-12776 to improve reliability, plug was not replaced. Plug was machined .004" on O.D. Stud and nut replaced due to damage upon disassembly of valve.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Engineer Date January 02, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 6/27/00 to 11/5/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Jan. 5, 20 01

Form No. 1358

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

1. Owner F.E.N.O.C. Date 11-27-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #99-215854-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Feedwater (Class 3)
5. (a) Applicable Construction Code Section III, 19 71 Edition, S'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Copes-Vulcan	7310-95255-1-2	795	2FWS-FCV488	1977	---	Yes
Plug	Copes-Vulcan	9721-96570-1-1	N/A	N/A	1999	Replacement	Yes
Stud	Nova Machine	N/A	N/A	Ht #67944-TED	1997	Replacement	No
Nut	Nova Machine	N/A	N/A	Ht #73265-32-2SAS	2000	Replacement	No
Helicoil	Nova Machine	N/A	N/A	Ht #35441	1999	Replacement	No

7. Description of Work Replaced valve trim, installed two helicoil inserts and replaced studs and nuts.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report Nos: 899, 795, 384, 238, 131,
078, 047, 046. Valve trim was replaced with a new design per TER-12776 to improve reliability.
Helicoils were installed and studs and nuts replaced due to damage upon disassembly of valve.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Engineer Date December 22nd, 20 00
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 10/18/00 to 1/5/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions NB 7509 (N.I.) PA 2162
National Board, State, Province, and Endorsements

Date Jan 5, 20 01

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

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

Pg. 1 of _____

1. Manufactured and certified by Copes-Vulcan, Inc., Martin & Rice Avenues, Lake City, PA 16423
(name and address of NPT Certificate Holder)
2. Manufactured for Duquesne Light Company, Shippingport, PA
(name and address of Purchaser)
3. Location of installation Beaver Valley Station, Shippingport, PA
(name and address)
4. Type: D-343608 Rev. 0 A276 Typ 420 242.77 ksi N/A 1999
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1971 Summer 1972 3 N-62-6
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: Plug for 12" Class 900# Valve per Ass'y Dwg. D-166222 Rev. 22

Cust. P.O. D161170

CV Job 9721-96570

Valve I.D. 16FA37RG

Ref. CV Job 7310-95255

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>9721-96570-1-1 (89-3)</u>	<u>N/A</u>
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

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

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

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

(12/88)

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Reprint (7/91)

CERTIFICATION OF DESIGN

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plug
conforms to the rules of construction of the ASME Code, Section III, Division 1.NPT Certificate of Authorization No. N-1843 Expires 8/19/01Date 7-23-99 Name Copes-Vulcan, Inc. Signed R. J. Kent
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of
Penna and employed by Factory Mutual Insurance Companyof Norwood, MA have inspected these items described in this Data Report on 7-23-99, and state that to the
best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section
III, Division 1. Each part listed has been authorized for stamping on the date shown above.By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described
in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage
loss of any kind arising from or connected with this inspection.Date 7-23-99 Signed J. B. Bussard Commissions 42224
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Form No. 1359

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

1. Owner F.E.N.O.C.
(NAME)
76 South Main Street - Akron, OH 44308
(ADDRESS)

Date 11-27-00Sheet 1 of 2

2. Plant Beaver Valley Power Station
(NAME)
Shippingport, PA 15077
(ADDRESS)

Unit No. 2

W.O. #99-215855-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Feedwater (Class 3)5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda, N/A Code Case(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Globe Valve	Copes-Vulcan	7310-95255-1-3	795	2FWS-FCV498	1977	---	Yes
Plug	Copes-Vulcan	9721-96399-1-1	N/A	N/A	1997	Replacement	Yes
Stud	Nova Machine	N/A	N/A	Ht #94693-CWM	1996	Replacement	No
Nut	Nova Machine	N/A	N/A	Ht #73265-32-2SAS	2000	Replacement	No
Helicoil	Nova Machine	N/A	N/A	Ht #35441	1999	Replacement	No

7. Description of Work Replaced valve trim, installed two helicoil inserts and replaced stud and nut.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report Nos: 900, 796, 385, 239, 132,
079, 052, 011. Valve trim was replaced with a new design per TER-12776 to improve reliability.
Helicoils were installed and stud and nut replaced due to damage upon disassembly of valve.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 5th, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 6/27/00 to 1/9/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 7509 (N.I) PA 2102
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 9, 20 01

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

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

Pg. 1 of ____

1. Manufactured and certified by Copes-Vulcan, Inc., Martin & Rice Avenues, Lake City, PA 16423
(name and address of NPT Certificate Holder)
2. Manufactured for Duquesne Light Company, Shippingport, PA
(name and address of Purchaser)
3. Location of installation Beaver Valley Station, Shippingport, PA
(name and address)
4. Type: D-343608 Rev.0 A276 Typ 420⁺ 245.91 ksi N/A 1997
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1971 Summer 1972 3 N-62-6
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: Plug for 12" Class 900# Valve per Ass'y Dwg. D-166222 Rev. 22

Cust. P.O. D154730

CV Job 9721-96399

Valve I.D. 16FA37RG

Ref. CV Job 7310-95255

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>9721-96399-1-1 (97-1)</u>	<u>N/A</u>
(2) <u>9721-96399-1-2 (97-2)</u>	<u>N/A</u>
(3) _____	
(4) _____	
(5) _____	
(6) _____	
(7) _____	
(8) _____	
(9) _____	
(10) _____	
(11) _____	
(12) _____	
(13) _____	
(14) _____	
(15) _____	
(16) _____	
(17) _____	
(18) _____	
(19) _____	
(20) _____	
(21) _____	
(22) _____	
(23) _____	
(24) _____	
(25) _____	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26) _____	
(27) _____	
(28) _____	
(29) _____	
(30) _____	
(31) _____	
(32) _____	
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(43) _____	
(44) _____	
(45) _____	
(46) _____	
(47) _____	
(48) _____	
(49) _____	
(50) _____	

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

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

(12/88)

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Reprint (7/91)

9721-96399-

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

CERTIFICATION OF DESIGN

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1843 Expires 8/19/98

Date 8-15-97 Name Copes-Vulcan, Inc. Signed Maid [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Protection Mutual Insurance Company* of Norwood, MA have inspected these items described in this Data Report on _____, and state that to the

best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

*Factory Mutual Eng. Ass'n.

Date 8-15-97 Signed [Signature] Commissions PA 227F
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Form No. 1360

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

1. Owner F.E.N.O.C. Date 01-05-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #00-025561-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Service Water (Class 3)

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 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Piping	Schneider Power	SWS-182-4A1	N/A	2-SWS-003-182-3	1984	Repaired	Yes

7. Description of Work Weld repaired pinhole leak in 3"x2" reducer to 3" pipe weld.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Original spoolpiece S/N N-1141-2704 (SWS-182-4)

manufactured by Power Piping Company in 1977 was modified by Schneider Power in 1984.

Concentric reducer 3"x2" to 3" pipe weld was repaired in accordance with Code Case N-416 to

correct a pinhole leak.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Senior Eng. Date January 5th, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the

Owner's Report during the period 10/19/00 to 1/8/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB 7589 (N, I) PA 2162
National Board, State, Province, and Endorsements

Date Jan 8, 20 01

FORM NPP-1 CERTIFICATE HOLDERS' DATA REPORT FOR FABRICATED
NUCLEAR PIPING SUBASSEMBLIES*

2-SWS-101917-2

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

Pg. 1 of 5

1. Fabricated and certified by Schneider Power Corp., 125 Seventh St., Pgh., PA 15222
(Name and address of NPT Certificate Holder)
2. Fabricated for Duquesne Light Co., One Oxford Centre, 301 Grant St., Pgh., PA 15279
(Name and address)
3. Location of installation Beaver Valley Power Station, Unit No.2, Shippingport, PA 15077
4. Identification 2-SWS-101917-2 N/A ISO:101917(OH) N/A 1984
(Certificate serial no.) (CRN) (Drawing no.) (Mater. ID no.) (Year built)
5. ASME Code, Section III 1971 Winter 1972 3 N/A
(Edition) (Addenda date) (Class) (Code Case)
6. Shop hydrostatic test N/A psi at N/A °F (if performed)
7. Description of piping SWS-182-4A1
8. Certificate Holders Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this Report: SWS-182-4
Power Piping Company, S/N N-1141-2704
9. Remarks See attached Power Piping Company NPP-1 Data Report S/N N-1141-2704
for material used in original spool SWS-182-4.

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this Report are correct and that the fabrication of the described piping conforms to the rules for construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N/A Expires N/A

Date N/A Name N/A Signed N/A
(NPT Certificate Holder) (Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N/A and employed by N/A of N/A have inspected the component described in this Data Report on N/A, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III.

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

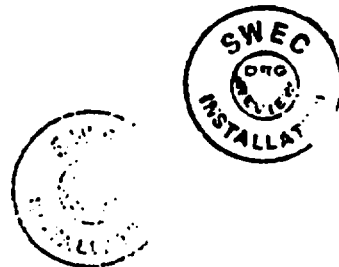
Date N/A Signed N/A Commissions N/A
(Authorized Inspector) (State or Prov. and No.)

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



10. Description of field fabrication. See attached CRN, 101917-2(3) for details of modification to original spoon SWS-182-4. Additional material and weld are not considered part of this modification.

Date 7/1/84 Signed E. G. Kenney Commissions 20180
(Authorized Inspector)



Form No. 1362

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 00-021318-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	18481	N/A	2RHS-PSSP003	---	Replaced	No
Snubber	Pacific Scientific	30036	N/A	2RHS-PSSP003	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *ISI Lead* Date 1/4, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 9/26/00 to 11/5/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert C. Amick Commissions NB-7509 (NI) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan. 5, 20 01

Form No. 1363

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218580-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	24931	N/A	2RHS-PSSP008B	---	Replaced	No
Snubber	Pacific Scientific	23664	N/A	2RHS-PSSP008B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *[Signature]* 151 Lead Date 1/4, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 2/15/00 to 1/16/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Jan 10, 20 01

Form No. 1364

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218581-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	25269	N/A	2RHS-PSSP209B	---	Replaced	No
Snubber	Pacific Scientific	23666	N/A	2RHS-PSSP209B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] IST Lead Date 1/4, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/15/00 to 1/10/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Jan 10, 20 01

Form No. 1365

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218582-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Safety Injection
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	24935	N/A	2SIS-PSSP449B	---	Replaced	No
Snubber	Pacific Scientific	24937	N/A	2SIS-PSSP449B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed ISI Lead Date January 4, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/15/00 to 1/10/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Comoch
Inspector's Signature

Commissions NB 7509(N.I) PA 2162
National Board, State, Province, and Endorsements

Date Jan 10, 20 01

Form No. 1366

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

1. Owner F.E.N.O.C. Date 10-01-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218586-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	30300	N/A	2RCS-PSSP010B	---	Replaced	No
Snubber	Pacific Scientific	18672	N/A	2RCS-PSSP010B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 4, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/15/00 to 1/10/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 7509 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 10, 20 01

Form No. 1367

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218588-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	18653	N/A	2RCS-PSSP026A	---	Replaced	No
Snubber	Pacific Scientific	27279	N/A	2RCS-PSSP026A	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 5, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 2/25/00 to 1/9/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cernoch Commissions NB7509(N.I) PA216 L
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 9, 20 01

Form No. 1368

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218590-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Service Water
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	30037	N/A	2SWS-PSSP771Y	---	Replaced	No
Snubber	Pacific Scientific	29438	N/A	2SWS-PSSP771Y	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 5, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 2/25/00 to 1/9/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Amock Commissions NB7509(VI) FA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 9, 20 01

Form No. 1369

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218595-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Service Water
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	16967	N/A	2SWS-PSSP772B	---	Replaced	No
Snubber	Pacific Scientific	17163	N/A	2SWS-PSSP772B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *IG Label* ISI Lead Date January 5, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/25/00 to 1/9/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cernoch Commissions NB7504(N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 9, 20 01

Form No. 1370

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218597-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "

4. Identification of System Residual Heat Removal

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	11996	N/A	2RHS-PSSP521X	---	Replaced	No
Snubber	Pacific Scientific	6685	N/A	2RHS-PSSP521X	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 5, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/25/00 to 1/10/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 NB7507 (N, I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 10, 20 01

Form No. 1371

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

1. Owner F.E.N.O.C. Date 01-11-01
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218608-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	9360	N/A	2RHS-PSSP008A	---	Replaced	No
Snubber	Pacific Scientific	25267	N/A	2RHS-PSSP008A	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 11, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 2/28/00 to 1/11/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Jan 11, 20 01

Form No. 1372

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218612-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Safety Injection
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	25268	N/A	2SIS-PSSP209A	---	Replaced	No
Snubber	Pacific Scientific	24110	N/A	2SIS-PSSP209A	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] IS Lead Date January 5, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 2/28/00 to 1/10/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (N I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 10, 20 01

Form No. 1373

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

1. Owner F.E.N.O.C. Date 10-01-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 99-218613-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Safety Injection
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	24934	N/A	2SIS-PSSP449A	---	Replaced	No
Snubber	Pacific Scientific	23665	N/A	2SIS-PSSP449A	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 5, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 7/28/00 to 1/10/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 7509 (N, I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 10, 20 01

Form No. 1375

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

1. Owner F.E.N.O.C. Date 01-05-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 00-021314-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	30291	N/A	2RCS-PSSP006A	---	Replaced	No
Snubber	Pacific Scientific	27941	N/A	2RCS-PSSP006A	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 5, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the

Owner's Report during the period 7/26/00 to 1/10/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB7509(N.I) PA 2162
National Board, State, Province, and Endorsements

Date Jan 10, 20 01

Form No. 1376

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

1. Owner F.E.N.O.C. Date 10-01-00
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
- Shippingport, PA 15077 WO # 00-021313-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Component Cooling
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	16260	N/A	2CCP-PSSP317A	---	Replaced	No
Snubber	Pacific Scientific	18480	N/A	2CCP-PSSP317A	---	Replacement	No

7. Description of Work
- Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 6, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 1/26/00 to 1/15/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 7507 (N.I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 15, 20 01

Form No. 1377

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

1. Owner F.E.N.O.C. Date 10-14-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 00-021409-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Main Steam
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	25731	N/A	2MSS-PSSP476	---	Replaced	No
Snubber	Pacific Scientific	24935	N/A	2MSS-PSSP476	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] is lead Date January 6, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 9/29/00 to 11/11/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509(N,I)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 11, 20 01

Form No. 1378

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

1. Owner F.E.N.O.C. Date 01-06-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 00-021408-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Main Steam
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	25698	N/A	2MSS-PSSP456	---	Replaced	No
Snubber	Pacific Scientific	24932	N/A	2MSS-PSSP456	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 6, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 9/29/00 to 1/11/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Jan. 11, 20 01

Form No. 1379

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 00-021748-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Service Water
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	30036	N/A	2SWS-PSSP770B	---	Replaced	No
Snubber	Pacific Scientific	30278	N/A	2SWS-PSSP770B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.
-

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 6, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/2/00 to 1/11/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (N.I.) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan. 11, 20 01

Form No. 1380

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

1. Owner F.E.N.O.C. Date 10-10-00
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 00-021324-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Service Water
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	17000	N/A	2SWS-PSSP832A	---	Replaced	No
Snubber	Pacific Scientific	16999	N/A	2SWS-PSSP832A	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI CEO Date January 6, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 9/26/00 to 1/11/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Jan. 11, 20 01

Form No. 1381

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

1. Owner F.E.N.O.C. Date 11-22-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 00-021744-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Component Cooling
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	16261	N/A	2CCP-PSSP317B	---	Replaced	No
Snubber	Pacific Scientific	29436	N/A	2CCP-PSSP317B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] 1st Lead Date January 6, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/2/00 to 1/11/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions NB 7509 (N, I) PA 2162
National Board, State, Province, and Endorsements

Date Jan. 11, 20 01

Form No. 1382

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

1. Owner F.E.N.O.C. Date 10-14-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 00-021746-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	18482	N/A	2RCS-PSSP022X	---	Replaced	No
Snubber	Pacific Scientific	30291	N/A	2RCS-PSSP022X	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available.
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 6, 20 01
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 Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 10/2/00 to 1/11/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 7509 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 11, 20 01

Form No. 1383

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

1. Owner F.E.N.O.C. Date 10-14-00
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO # 00-021909-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	18657	N/A	2RCS-PSSP030X	---	Replaced	No
Snubber	Pacific Scientific	30300	N/A	2RCS-PSSP030X	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Lead Date January 6, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/3/00 to 11/15/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NB7509 (N, I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 15, 20 01

Form No. 1384

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

1. Owner F.E.N.O.C.
(NAME)
76 South Main Street – Akron, OH 44308
(ADDRESS)

Date 10-10-00Sheet 1 of 1

2. Plant Beaver Valley Power Station
(NAME)
Shippingport, PA 15077
(ADDRESS)

Unit No. 2

WO # 00-021743-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Nuclear Constr.
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Reactor Coolant5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	30299	N/A	2RCS-PSSP894	---	Replaced	No
Snubber	Pacific Scientific	30364	N/A	2RCS-PSSP894	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] ISI Ltd Date January 6, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/2/00 to 11/15/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimach Commissions NB7504 (N.I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 15, 20 01

Form No. 1385

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

1. Owner F.E.N.O.C. Date 01-06-01
(NAME)
- 76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
- Shippingport, PA 15077 WO # 00-021394-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Constr. Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System Main Steam
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	1173	N/A	2MSS-PSSP103	---	Replaced	No
Snubber	Pacific Scientific	41734	N/A	2MSS-PSSP103	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks Replaced snubber with a spare for testing purposes. No Code Data Reports are available,
the snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *[Signature]* ISI Lead Date January 6, 20 01
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 Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 9/27/00 to 11/15/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch Commissions NB7509 (N, I) PA 218-2
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan 15, 20 01

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

1. Owner First Energy Nuclear Operating Company Date 10/26/00
Name
76 South Main Street – Akron, OH 44308-1890
Address

2. Plant Beaver Valley Power Station Sheet 1 of 1
Name
Shippingport, PA 15077
Address

3. Work Performed by FENOC/Life Cycle Mgm't Unit 2
Name
Shippingport, PA 15077
Address

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 19 71 Edition, S'72 Addenda, See N-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 19 1989 Edition

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Heat Exchanger	Westinghouse	DMGT-1961	W-16598	2RCS-SG21A	1977	Repaired & Replaced	Yes

7.	Description of Work	<u>Plugged 18 tubes (hot leg & cold leg). Stabilized 7 tubes in the hot leg &</u> <u>4 tubes in the cold leg. Machined secondary side manway #1(cover & vessel pad),</u> <u>secondary side handhole covers #1 & #2, secondary side inspection opening covers #1</u> <u>through #4.</u> <u>Replaced 3 primary manway studs (2AH3, 2AH13 & 2AH15).</u>			
8.	Tests Conducted:	Hydrostatic <input type="checkbox"/>	Pneumatic <input type="checkbox"/>	Nominal Operating Pressure <input checked="" type="checkbox"/>	Exempt <input type="checkbox"/>
		Other <input type="checkbox"/>	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.

This Form (E00030) may be obtained from the ASME Order Dept. 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

RRP_NIS2

FORM NIS-2 (Back)

9. Remarks ASME repair work orders: Tube plugging/stabilization - W.O. 99-217553-000
Applicable Manufacturer's Data Reports to be attached
Secondary side manway machining - W.O. 00-008647-000
Secondary side handhole machining - W.O. 99-217563-000
Secondary side inspection opening machining - W.O. - 00-020298-000

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Ray Merti, ISI Coordinator Date 10/26/00
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 Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 4/11/00 to 10/31/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions NB7509 (N.I) PA 2162
National Board, State, Province, and Endorsements

Date Oct 31, 2000

FORM NIS-2 (Back)

9. Remarks ASME repair work orders: Tube plugging/stabilization - W.O. 99-217554-000
Applicable Manufacturer's Data Reports to be attached
Secondary side manway machining/helicoil installation - W.O. 00-008648-000
Secondary side handhole machining - W.O. 99-217564-000
Secondary side inspection opening machining - W.O. - 00-020299-000

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Harry Alberti, IST Coordinator Date 10/26/00
 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 Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 4/1/00 to 10/31/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
 Inspector's Signature

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

Date Oct 31, 2000

FORM NIS-2 (Back)

9. Remarks ASME repair work orders: Tube plugging/stabilization - W.O. 99-217558-000
Applicable Manufacturer's Data Reports to be attached
Secondary side manway machining - W.O. 00-008652-000
Secondary side handhole machining - W.O. 99-217565-000
Secondary side inspection opening machining - W.O. - 00-020300-000

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Ray Alberti, ISI Coordinator Date 10/26/00
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 Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 4/11/00 to 10/31/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Oct 31, 2000