FENOC
FirstEnergy Nuclear Operating Company

Beaver Valley Power Station
P.O. Box 4
Shippingport, PA 15077-0004

Lew W. Myers
Senior Vice President

412-393-5234
Fax: 724-643-8069

June 30, 2000
L-00-091

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

Subject: Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Thirteenth 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 thirteenth refueling outage at Beaver Valley Unit No. 1. 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. 1 ended on April 5, 2000.

The Class 1, 2 and 3 examinations are part of Interval 3, 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, Licensing at 724-682-5203.

Sincerely,

Lew W Myers

Lew W. Myers

c: Mr. D. S. Collins, Project Manager
Mr. D. M. Kern, Sr. Resident Inspector
Mr. H. J. Miller, NRC Region I Administrator
Ms. M. E. O'Reilly (FirstEnergy Legal Department)
Mr. J. Payton, Commonwealth of Pennsylvania

A047

BEAVER VALLEY POWER STATION UNIT 1
Route 168, Shippingport, PA

Outage 13, Year 2000

Inspection Term: 1/1/1998 to 4/5/2000

Issue date: 6-27-00

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

NRC Docket Number: 50-334

Reactor Supplier: Westinghouse Electric Corporation
Commercial Service Date: September 30, 1976

Prepared by: _____ Date: 6-6-00

Reviewed by: _____ Date: 6/8/00
Supervisor, ISI/IST/Maintenance Rule

Reviewed by: _____ Date: 6/27/2000
ANII

Approved by: _____ Date: 6/27/00
Manager, Engineering Technical Support

90-DAY REPORT
TABLE OF CONTENTS

Item	Page Number
Cover Page	1
Table of Contents	2
Form NIS-1	3 - 5
Outage Summary	6
ASME XI Vessel, Piping and Support Examinations	
1. Class 1	6
2. Class 2	6
3. Class 3	6
Pressure Testing	7
Deficiency Resolution	7
Steam Generator Tube Examination	7
NRC Bulletin 88-09, Flux Thimbles	7
NIS-2 Forms	7
Appendix I - Completed Code Examinations	
Appendix IA - Limited Code Examinations	
Appendix II - Additional or Successive Examinations	
Appendix III - Deficiency Report Summary	
Appendix IV - Steam Generator Eddy Current Examinations	
Appendix V - Flux Thimble Eddy Current Examinations	
Appendix VI - Repair/Replacement Abstract and NIS-2 Forms	

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 1 4. Owner Certificate of Authorization (if required) 26-05000
5. Commercial Service Date 9/30/76 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	69103	B105642	21011
Pressurizer	Westinghouse	1311	434676V	69-50
RC-P-1A, 1B, 1C	Westinghouse	1-6185931-G01 2-6185931-G01 3-6185931-G01	N/A	N/A
Steam Generators	Westinghouse	RC-E-1A, RC-E-1B, RC-E-1C	434597V 434598V 434599V	68-45 68-46 68-47
RV-RC-551B	Target Rock	69C	N/A	N/A
RH-E-1A	Joseph Oat	1832-1	434682V	368
Boron Injection Tank	Struthers Wells	SI-TK-2	434783V	133314
CH-P-1A	Pacific Pumps	49191	N/A	N/A
RH-P-1A	Ingersoll-Dresser	1170-20	N/A	N/A
RS-P-2A	Bingham Willamette	290596	N/A	N/A
SI-P-1B	Ingersoll-Dresser	0671-141	N/A	N/A
Component Cooling Surge Tank	PX Engineering	CC-TK-1	N/A	N/A
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 though 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 01/01/1998 to 04/05/2000

9. Inspection Period Identification: 09/21/1997 to 08/01/2001

10. Inspection Interval Identification: 09/21/1997 to 03/31/2008

11. Applicable Edition of Section XI 1989 Addenda None

12. Date/Revision of Inspection Plan: 1TYPP-3, 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. **All examinations scheduled by the Inspection Plan for the 1st Period have been performed. See Appendix I (Code Exams) and IA (Limited Exams).**

14. Abstract of Results of Examination and Tests. **See text of summary report.**

15. Abstract of Corrective Measures. **See Appendix III, 1R13 Deficiency Report.**

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 6-5-00 Signed FirstEnergy Nuclear Operating Co. By

(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 01/01/98 to 04/05/2000 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 June 27, 2000

OUTAGE SUMMARY

During the Thirteenth Refueling Outage (1R13) at the Beaver Valley Power Station, Unit 1, 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 third ten year interval. Also included in this report and the counts below, are examinations performed prior to 1R13 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.

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

1. One hundred, six (106) Class 1 exams were performed and are divided as follows:

   a. Welds (vessels, pumps, piping, and attachments)
      - Ultrasonic Exams - 4
      - Penetrant Exams - 13
      - Visual Exams - 1

   b. Reactor Vessel bolting
      - Ultrasonic Exams - 19
      - Mag Particle Exams - 19
      - Visual Exams - 38

   c. RCP flange bolting (UT) - 1

   c. Visual Examinations
      - RV interior (VT-1) - 1
      - Pipe Supports (VT-3) - 9
      - Valve body (VT-3) - 1

2. One hundred, fifty-nine (159) Class 2 exams were performed and are divided as follows:

   a. Welds (vessels, pumps, piping, and attachments)
      - Ultrasonic Exams - 48
      - Penetrant Exams - 58
      - Mag Particle Exams - 8
      - Visual Exams - 2

   b. Bolting (UT) - 5

   c. Supports, visual exams - 38

3. Forty-one (41) visual exams of Class 3 supports were performed and are divided as follows:

   a. Supports, visual exams - 28

   b. Attachments, visual exams - 13

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 additional and successive examinations that were required during 1R13. Appendix III is the 1R13 Deficiency Report.

IWE Containment Examination

The BV-1 Containment Liner and associated components (penetrations, welded attachments, bolting) were examined during 1R13 in accordance with 10CRF50.55a(b)(2)(ix). The general visual found no conditions that affected either the containment structural integrity or leak tightness. 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 examination of the moisture barrier resulted in re-caulking of an 18-inch length of the moisture barrier due to cracking of the caulking and separation of the caulking from the liner. The 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 was one recorded deficiency in 1R13. It was evaluated and reported per administrative procedures. Appendix III provides information regarding this deficiency.

Steam Generator Tube Examination

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

NRC Bulletin 88-09, Flux Thimbles

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

NIS-2 Forms

Included as Appendix VI 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

APPENDIX I, COMPLETED EXAMINATIONS

BVPS-1 1R13 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
** ASME ITEM NUMBER / EXAM CATEGORY: B03.120 B-D			
RC-TK-1-RADIUS-6	NOZZLE INSIDE RADIUS	VT00029	
** ASME ITEM NUMBER / EXAM CATEGORY: B05.040 B-F			
RC-104-1-E-01	NOZZLE TO SAFE END	PT00021	PT ONLY REQ'D, BASED ON 1R12 EXAM.
** ASME ITEM NUMBER / EXAM CATEGORY: B06.010 B-G-1			
RC-R-1-NUT-1	BOLTING	VT00200	
RC-R-1-NUT-2	BOLTING	VT00200	
RC-R-1-NUT-3	BOLTING	VT00200	
RC-R-1-NUT-4	BOLTING	VT00200	
RC-R-1-NUT-5	BOLTING	VT00200	
RC-R-1-NUT-6	BOLTING	VT00200	
RC-R-1-NUT-7	BOLTING	VT00200	
RC-R-1-NUT-8	BOLTING	VT00200	
RC-R-1-NUT-9	BOLTING	VT00200	
RC-R-1-NUT-10	BOLTING	VT00200	
RC-R-1-NUT-11	BOLTING	VT00199	
RC-R-1-NUT-12	BOLTING	VT00199	
RC-R-1-NUT-13	BOLTING	VT00199	
RC-R-1-NUT-14	BOLTING	VT00199	
RC-R-1-NUT-15	BOLTING	VT00199	
RC-R-1-NUT-16	BOLTING	VT00199	
RC-R-1-NUT-17	BOLTING	VT00199	
RC-R-1-NUT-18	BOLTING	VT00199	
RC-R-1-NUT-19	BOLTING	VT00199	
** ASME ITEM NUMBER / EXAM CATEGORY: B06.030 B-G-1			
RC-R-1-STUD-1	BOLTING	UT00043	
		MT00051	
RC-R-1-STUD-2	BOLTING	UT00044	
		MT00042	
RC-R-1-STUD-3	BOLTING	UT00045	
		MT00043	
RC-R-1-STUD-4	BOLTING	UT00046	
		MT00044	
RC-R-1-STUD-5	BOLTING	UT00047	
		MT00045	
RC-R-1-STUD-6	BOLTING	UT00048	
		MT00046	
RC-R-1-STUD-7	BOLTING	UT00049	
		MT00047	
RC-R-1-STUD-8	BOLTING	UT00050	
		MT00048	
RC-R-1-STUD-9	BOLTING	UT00051	
		MT00049	
RC-R-1-STUD-10	BOLTING	UT00052	

APPENDIX I, COMPLETED EXAMINATIONS

BVPS-1 1R13 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
		MT00050	
RC-R-1-STUD-11	BOLTING	UT00053	
		MT00033	
RC-R-1-STUD-12	BOLTING	UT00054	
		MT00034	
RC-R-1-STUD-13	BOLTING	UT00055	
		MT00035	
RC-R-1-STUD-14	BOLTING	UT00056	
		MT00036	
RC-R-1-STUD-15	BOLTING	UT00057	
		MT00037	
RC-R-1-STUD-16	BOLTING	UT00058	
		MT00038	
RC-R-1-STUD-17	BOLTING	UT00059	
		MT00039	
RC-R-1-STUD-18	BOLTING	UT00060	
		MT00040	
RC-R-1-STUD-19	BOLTING	UT00061	
		MT00041	
** ASME ITEM NUMBER / EXAM CATEGORY: B06.050 B-G-1			
RC-R-1-WASHER-1	BOLTING	VT00202	
RC-R-1-WASHER-2	BOLTING	VT00202	
RC-R-1-WASHER-3	BOLTING	VT00202	
RC-R-1-WASHER-4	BOLTING	VT00202	
RC-R-1-WASHER-5	BOLTING	VT00202	
RC-R-1-WASHER-6	BOLTING	VT00202	
RC-R-1-WASHER-7	BOLTING	VT00202	
RC-R-1-WASHER-8	BOLTING	VT00202	
RC-R-1-WASHER-9	BOLTING	VT00202	
RC-R-1-WASHER-10	BOLTING	VT00202	
RC-R-1-WASHER-11	BOLTING	VT00203	
RC-R-1-WASHER-12	BOLTING	VT00203	
RC-R-1-WASHER-13	BOLTING	VT00203	
RC-R-1-WASHER-14	BOLTING	VT00203	
RC-R-1-WASHER-15	BOLTING	VT00203	
RC-R-1-WASHER-16	BOLTING	VT00203	
RC-R-1-WASHER-17	BOLTING	VT00203	
RC-R-1-WASHER-18	BOLTING	VT00203	
RC-R-1-WASHER-19	BOLTING	VT00203	
** ASME ITEM NUMBER / EXAM CATEGORY: B06.180 B-G-1			
RC-P-1A-B(F)-1 TO 24	BOLTING	UT00037	LEAKAGE ON BOLTING, UT DEFERRAL NOT PERMITTED.
RC-P-1B-B(F)-1 TO 24	BOLTING	VT00184	12 BOLTS EXAMINED VT-1.
		VT00185	

APPENDIX I, COMPLETED EXAMINATIONS

BVPS-1 1R13 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
** ASME ITEM NUMBER / EXAM CATEGORY: B07.060 B-G-2			
RC-P-1B-B(S)-1 TO 12	BOLTING	VT00115	BOLTING REMOVED FOR EXAM.
** ASME ITEM NUMBER / EXAM CATEGORY: B09.011 B-J			
SI-121-4-S-06	BUTT WELD	UT00009	
		PT00017	
SI-121-4-S-05	BUTT WELD	UT00010	
		PT00017	
SI-121-4-S-04	BUTT WELD	UT00011	
		PT00017	
** ASME ITEM NUMBER / EXAM CATEGORY: B09.021 B-J			
RC-P-1A-E-01	BUTT WELD	PT00029	ADDED EXAM DUE TO UNSAT ON B PUMP.
RC-P-1C-E-01	BUTT WELD	PT00029	ADDED EXAM DUE TO UNSAT ON B PUMP.
** ASME ITEM NUMBER / EXAM CATEGORY: B09.040 B-J			
CH-140-6-F-09	SOCKET WELD	PT00010	
CH-140-7-F-11	SOCKET WELD	PT00012	
CH-140-8-S-07	SOCKET WELD	PT00012	
CH-23-2-S-02	SOCKET WELD	PT00023	
RC-75-2B-S-01	SOCKET WELD	PT00024	
SI-102-2-S-06	SOCKET WELD	PT00006	
SI-102-2-S-05	SOCKET WELD	PT00006	
SI-102-2-S-04	SOCKET WELD	PT00006	
SI-102-2-S-03	SOCKET WELD	PT00007	
** ASME ITEM NUMBER / EXAM CATEGORY: B10.020 B-K			
CH-140-6-A-01	WELDED ATTACHMENT SUPPORT PS-2	PT00011	
** ASME ITEM NUMBER / EXAM CATEGORY: B12.010 B-L-1			
RC-P-1A-C-1	CASING WELD	VT00146	
** ASME ITEM NUMBER / EXAM CATEGORY: B12.050 B-M-2			
RV-RC-551B	VALVE BODY	VT99209	
** ASME ITEM NUMBER / EXAM CATEGORY: B13.010 B-N-1			
RC-R-1-ACC-INT	INTERIOR	VT00121	
** ASME ITEM NUMBER / EXAM CATEGORY: C01.020 C-A			
SI-TK-2-C-1	CIRCUMFERENTIAL BUTT WELD	UT00030	
RH-E-1A-C-1	CIRCUMFERENTIAL BUTT WELD	UT00041	LIMITED UT, 86% COV'G. RR 1TYP3-RH-E-1-1.
** ASME ITEM NUMBER / EXAM CATEGORY: C02.033 C-B			
RH-E-1A-N-3	NOZZLE-TO-VESSEL WELD	VT97124	
RH-E-1A-N-4	NOZZLE-TO-VESSEL WELD	VT97124	

APPENDIX I, COMPLETED EXAMINATIONS

BVPS-1 1R13 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
** ASME ITEM NUMBER / EXAM CATEGORY: C03.010 C-C			
RH-E-1A-A-01 TO 08	WELDED ATTACHMENT SUPPORT	PT00033	INDICATIONS ACCEPTABLE.
** ASME ITEM NUMBER / EXAM CATEGORY: C03.020 C-C			
WFPD-23-3-A-01 TO 02	WELDED ATTACHMENT SUPPORT SH-9	MT00014	
CH-80-2-A-05	WELDED ATTACHMENT SUPPORT R-50	PT00014	
CH-82-1-A-01	WELDED ATTACHMENT SUPPORT PS-A-1	PT00004	
CH-75-1-A-06	WELDED ATTACHMENT SUPPORT R-86	PT98053	
SI-7-1-A-01	WELDED ATTACHMENT SUPPORT VS-13	PT98057	
** ASME ITEM NUMBER / EXAM CATEGORY: C04.010 C-D			
SI-TK-2-STUD-1	BOLTING	UT00062	
SI-TK-2-STUD-2	BOLTING	UT00063	
SI-TK-2-STUD-3	BOLTING	UT00064	
SI-TK-2-STUD-4	BOLTING	UT00065	
SI-TK-2-STUD-5	BOLTING	UT00066	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.011 C-F-1			
P11-G-S-0Q	PIPE WELD	UT98122	
		PT98055	
SI-15-1F-F-1D	PIPE WELD	UT98116	
		PT98054	
SI-15-1E-F-1E	PIPE WELD	UT98117	
		PT98054	
SI-15-1E-F-02	PENETRATION WELD	UT98118	
		PT98054	
SI-26-3-S-03	PIPE WELD	UT98105	
		PT98049	
SI-16-3-S-04	PIPE WELD	UT98120	
		PT98056	
SI-30-1-F-1A	PIPE WELD	UT00003	
		PT00013	
RH-18-1-S-08	PIPE WELD	UT00019	
		PT00018	
RH-18-1-S-09	PIPE WELD	UT00020	
		PT00018	
RH-18-1-S-03	PIPE WELD	UT00017	
		PT00019	
RH-18-1-S-01	PIPE WELD	UT00016	
		PT00019	
RH-12-4-S-01	PIPE WELD	UT00004	
		PT00016	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.012 C-F-1			
RH-18-1-L-04	LONGITUDINAL PIPE WELD	UT00025	
		PT00020	
RH-18-1-L-05	LONGITUDINAL PIPE WELD	UT00026	

APPENDIX I, COMPLETED EXAMINATIONS

BVPS-1 1R13 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
		PT00020	
RH-18-1-L-06	LONGITUDINAL PIPE WELD	UT00021	
		PT00020	
RH-18-1-L-07	LONGITUDINAL PIPE WELD	UT00027	
		PT00020	
RH-18-1-L-08	LONGITUDINAL PIPE WELD	UT00028	
		PT00020	
RH-18-1-L-09	LONGITUDINAL PIPE WELD	UT00029	
		PT00020	
RH-18-1-L-10	LONGITUDINAL PIPE WELD	UT00022	
		PT00020	
RH-18-1-L-11	LONGITUDINAL PIPE WELD	UT00023	
		PT00020	
RH-18-1-L-12	LONGITUDINAL PIPE WELD	UT00024	
		PT00020	
SI-16-3-L-64	LONGITUDINAL WELD	UT98121	
		PT98058	
RH-12-4-L-56	LONGITUDINAL WELD	UT00007	
		PT00015	
RH-12-4-L-57	LONGITUDINAL WELD	UT00008	
		PT00015	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.021 C-F-1			
SI-130-1-S-03	PIPE WELD	UT00002	
		PT00008	
SI-133-5-S-06	PIPE WELD	UT98098	
		PT98047	
SI-133-5-S-05	PIPE WELD	UT98099	
		PT98047	
SI-133-5-S-04	PIPE WELD	UT98100	
		PT98047	
SI-133-5-S-03	PIPE WELD	UT98101	
		PT98047	
SI-133-5-S-01	PIPE WELD	UT98102	
		PT98047	
SI-133-5-F-06	PIPE WELD	UT98103	
		PT98047	
SI-133-6A-S-05	PIPE WELD	UT98104	
		UT98048	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.030 C-F-1			
SI-82-1-F-1A	SOCKET WELD	PT00007	
SI-82-2-S-4A	SOCKET WELD	PT00007	
SI-84-1-S-03	SOCKET WELD	PT00005	
SI-86-2-F-1C	SOCKET WELD	PT00002	
SI-86-2B-F-02	SOCKET WELD	PT00003	
CH-89-1B-F-1A	SOCKET WELD	PT00035	

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
CH-95-1-S-01	SOCKET WELD	PT00037	1/16" ROUNDED, 1/16" LINEAR INDICATIONS.
CH-95-2-S-01	SOCKET WELD	PT00027	
CH-87-4-F-3C	SOCKET WELD	PT00038	LINEAR INDICATIONS 0.1" IN LENGTH.
CH-93-1C-F-06	PENETRATION WELD	PT00039	
CH-124-1-F-01	SOCKET WELD	PT00009	
RS-SI-F-28	FILLET WELD	PT98051	
QS-2-2A-F-4A	FILLET WELD	PT98063	
** ASME ITEM NUMBER / EXAM CATEGORY: C05.051 C-F-2			
SHP-58-5-F-06	PIPE WELD	UT00035	
		MT00017	
WFPD-23-82-F-10-C	PIPE WELD	UT00013	
		PT00011	
WFPD-23-82-S-02	PIPE WELD	UT00014	
		MT00011	
WFPD-23-82-F-1A-C	PIPE WELD	UT00015	
		MT00011	
* ASME ITEM NUMBER / EXAM CATEGORY: C05.052 C-F-2			
SHP-58-3-L-03	LONGITUDINAL WELD ALONG ELBOW	UT00033	
		MT00016	
SHP-58-3-L-04	LONGITUDINAL WELD ALONG ELBOW	UT00034	
		MT00016	
** ASME ITEM NUMBER / EXAM CATEGORY: C06.010 C-G			
RS-P-2B-2	PUMP CASING WELD	PT98062	
RS-P-2B-4	PUMP CASING WELD	PT98062	
** ASME ITEM NUMBER / EXAM CATEGORY: D01.010 D-A			
CC-TK-1-A-01	WELDED ATTACHMENT SUPPORT WS-1	VT98112	
RH-E-1A-A-17 TO 22	UPPER LUG WELDED ATTACHMENT	VT00110	
RH-E-2A-A-01	SADDLE ATTACHMENT FOR WS-1	VT00165	
CC-TK-1-A-02	WELDED ATTACHMENT SUPPORT WS-2	VT98112	
CC-TK-1-A-03	WELDED ATTACHMENT SUPPORT WS-3	VT98112	
CC-TK-1-A-04	WELDED ATTACHMENT SUPPORT WS-4	VT98112	
** ASME ITEM NUMBER / EXAM CATEGORY: D01.020 D-A			
WAPD-25-11-A-05	WELDED ATTACHMENT SUPPORT PSA001	VT98100	
CC-116-4-A-11	WELDED ATTACHMENT SUPPORT R-27C-2	VT00139	
CC-116-5-A-01 TO 02	WELDED ATTACHMENT SUPPORT R-18C-3	VT00079	
WR-19-7-A-01	WELDED ATTACHMENT SUPPORT R-24	VT98097	
WR-17-1-A-02	WELDED ATTACHMENT SUPPORT SH-68	VT98085	
WR-20-6-A-03	WELDED ATTACHMENT SUPPORT R-61	VT98097	
WR-43-2-A-01	WELDED ATTACHMENT SUPPORT A-91	VT98097	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.10A F-A			
CH-140-PS-2	SUPPORT	VT00090	

APPENDIX I, COMPLETED EXAMINATIONS

BVPS-1 1R13 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
SI-102-A-PS-2	SUPPORT	VT00053	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.10R F-A			
CH-96-R-PS-7	SUPPORT	VT00077	
CH-96-R-PS-8	SUPPORT	VT00077	
CH-96-R-PS-12	SUPPORT	VT00077	
CH-96-R-PS-14	SUPPORT	VT00077	
SI-23-R-PS-5	SUPPORT	VT00052	
SI-130-R-85	SUPPORT	VT00080	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.10S F-A			
SI-111-SH-16	SUPPORT	VT00054	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20A F-A			
CH-82-PS-A-1	SUPPORT	VT00020	
SI-1-A-15	SUPPORT	VT98157	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20R F-A			
SI-163-PSR-33B	SUPPORT	VT98095	
CH-79-PS-R-10	SUPPORT	VT98152	
CH-78-PS-R-6	SUPPORT	VT98087	
CH-77-PS-R-2	SUPPORT	VT98138	
CH-77-VS-3	VALVE SUPPORT	VT98138	
CH-77-PS-R-1	SUPPORT	VT98138	
CH-80-R-50	SUPPORT	VT00019	
CH-73-R-84	SUPPORT	VT98139	
CH-74-R-85	SUPPORT	VT98088	
CH-75-R-86	SUPPORT	VT98153	
CH-81-R-224	VALVE SUPPORT	VT00018	
CH-81-R-227	VALVE SUPPORT	VT00018	
CH-82-R-58	SUPPORT	VT00018	
CH-81-R-3-11C-2	SUPPORT	VT00177	
CH-81-R-3-9C-2	SUPPORT	VT00177	
CH-81-PS-R-19	SUPPORT	VT00015	
CH-94-PS-R-26	VALVE SUPPORT	VT00017	
CH-95-PS-R-22	SUPPORT	VT00017	
CH-125-R-74	SUPPORT	VT00021	
CH-125-H-75	SUPPORT	VT00178	
SI-60-R-71	SUPPORT	VT00128	SUCCESSIVE EXAM
SI-1-R-17B	SUPPORT	VT98156	
SI-26-PSR-070A	SUPPORT	VT98096	
SI-72-R-311A	SUPPORT	VT00140	
RH-18-R-31	SUPPORT	VT00111	
RS-10-R-71	SUPPORT	VT98172	
QS-3-R-21	SUPPORT	VT98102	

APPENDIX I, COMPLETED EXAMINATIONS

BVPS-1 1R13 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20S F-A			
WFPD-23-SH-9	SUPPORT	VT00125	
SI-6-SH-52	SUPPORT	VT98155	
RH-12-SH-8	SUPPORT	VT00108	
RH-12-SH-4	SUPPORT	VT00109	
RS-9-SH-48	SUPPORT	VT98103	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.20V F-A			
CH-80-VS-50A	SUPPORT	VT00019	
SI-133-VS-236	SUPPORT	VT98082	
SI-7-VS-13	SUPPORT	VT98154	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30A F-A			
CC-261-A-10B-4	SUPPORT	VT00143	
CC-262-A-264	SUPPORT	VT00076	
WR-43-A-91	SUPPORT	VT98098	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30H F-A			
WAPD-2-RH-5	SUPPORT	VT98076	
FC-5-RH-2	SUPPORT	VT98147	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30R F-A			
CC-8-R-54	SUPPORT	VT98107	
CC-41-R-111	SUPPORT	VT98107	
CC-54-R-55	SUPPORT	VT98108	
CC-130-R-40C-2	SUPPORT	VT00139	
CC-116-R-27C-2	SUPPORT	VT00079	
CC-116-R-18C-3	SUPPORT	VT00079	
CC-258-R-23C-2	SUPPORT	VT00142	
CC-265-R-43C-3	SUPPORT	VT00142	
CC-114-R-40D-1	SUPPORT	VT00141	
CC-114-R-180	SUPPORT	VT00078	
CC-112-R-207	SUPPORT	VT98110	
CC-510-R-237	SUPPORT	VT98110	
WR-19-R-24	SUPPORT	VT98099	
WR-187-R-31	SUPPORT	VT98083	
WR-20-R-61	SUPPORT	VT98099	
WR-119-R-152	SUPPORT	VT98086	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30S F-A			
WR-17-SH-68	SUPPORT	VT98085	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.30V F-A			
WR-17-VS-19	SUPPORT	VT98084	
** ASME ITEM NUMBER / EXAM CATEGORY: F01.40E F-A			
RH-E-1A-WS-1	LOWER FOOT SUPPORT NO. 1	VT00163	VT00-166 BASELINE FOLLOWING REWELD.

APPENDIX I, COMPLETED EXAMINATIONS

BVPS-1 1R13 NINETY DAY REPORT

COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	NDE REPORT NUMBER	OUTAGE REMARKS
		VT00166	
RH-E-1A-WS-2	LOWER FOOT SUPPORT NO. 2	VT00163	NUTS NOT FLUSH WITH MATING SURFACE. CR00-1180. ACC AS IS. EM 95058, 95073.
RH-P-1A-CS-1	SUPPORT	VT00112	
RH-P-1A-CS-2	SUPPORT	VT00112	
RH-P-1A-CS-3	SUPPORT	VT00112	
CC-TK-1-WS-1	SUPPORT LEG	VT98109	
RH-E-1A-RSTR-3	UPPER RESTRAINT ASSEMBLY	VT00110	
RH-E-2A-WS-1	SADDLE STRUCT. SUPP. FORMERLY SUPP-1	VT00165	
RS-P-2A-SUP	PUMP SUPPORT	VT99221	SUCCESSIVE EXAM.
SI-P-1B-SUP	PUMP SUPPORT	VT99220	SUCCESSIVE EXAM.
CC-TK-1-WS-2	SUPPORT LEG	VT98109	
CC-TK-1-WS-3	SUPPORT LEG	VT98109	
CC-TK-1-WS-4	SUPPORT LEG	VT98109	

APPENDIX IA

LIMITED CODE EXAMINATIONS

APPENDIX IA
LIMITED EXAMINATIONS

SUM NO.	COMP ID	COMP DESC	ITEM NO.	EXAM REPORT	REMARKS
207600	RC-P-1A-A-2	Welded Support	B10.30	GLBPT00040	LIMITED PT, 80% COV'G. NEED RELIEF
285300	SI-121-4-S-03	Butt Weld	B09.11	GLBUT00012 GLBPT00017	LIMITED UT, 76% COV'G. NEED RELIEF
434800	SI-130-1-F-01	Pipe Weld	C05.21	NABUT00001 ERDPT00008	LIMITED UT, 45.8% COV'G. NEED RELIEF
588400	SI-TK-2-N-3	Nozzle to Vessel Weld	C02.21	DXMUT00031 GLBMT00012	LIMITED UT, 87.8% COV'G. NEED RELIEF
634900	SI-16-3-S-07	Pipe Weld	C05.11	GFFUT98119 GLBPT98056	LIMITED UT, 62.5% COV'G. NEED RELIEF
648800	SI-TK-2-E-01	Pipe Weld	C05.11	DXMUT00036 GLBPT00022	LIMITED UT, 86% COV'G. NEED RELIEF
692600	RH-18-1-S-04	Pipe Weld	C05.11	NABUT00018 ERDPT00019	LIMITED UT, 75% COV'G. NEED RELIEF
711300	RH-12-4-F-03	Pipe Weld	C05.11	NABUT00005 ERDPT00016	LIMITED UT, 65% COV'G. NEED RELIEF
711400	RH-12-5-F-04	Pipe Weld	C05.11	NABUT00006 ERDPT00016	LIMITED UT, 65% COV'G. NEED RELIEF
721500	RH-E-1A-C-2	Circ. Butt Weld	C01.10	DXMUT00042	LIMITED UT, 71% COV'G. NEED RELIEF

APPENDIX II

ADDITIONAL or SUCCESSIVE EXAMINATIONS

APPENDIX II
ADDITIONAL AND SUCCESSIVE EXAMINATIONS

SUM_NO	COMP_ID	COMP_DESC	ITEM_NO	RESULT	REASON FOR EXAMINATION
069300	RC-P-1A-E-01	WELD	B09.021	SAT	Successive exam, Unsat exam last Period
069500	RC-P-1C-E-01	WELD	B09.021	SAT	Successive exam, Unsat exam last Period
502800	SI-60-R-71	PIPE SUPPORT	F01.20R	SAT	Additional exam, Unsat exam at sister location
655150	SI-P-1B-SUP	PUMP SUPPORT	F01:40E	SAT	Additional exam, Unsat exam at sister location
800850	RS-P-2A-SUP	PUMP SUPPORT	F01.40E	SAT	Successive exam, Unsat exam last Period

APPENDIX III

DEFICIENCY REPORT SUMMARY

APPENDIX III
1R13 DEFICIENCY REPORT

Component Identification	Rejecting Report	Condition Report No.	Description	Work Order Number	Closing Report
RC-P-1B-E-01	PT00-28	00-1177	CRACKED WELD	00-5456	PT00-34
IWE-Moisture Barrier	VT00-124	00-1097	CRACKED CAULKING	00-4640	VT00-206

APPENDIX IV

STEAM GENERATOR EDDY CURRENT EXAMINATIONS

APPENDIX IV

SUMMARY OF 1R13 STEAM GENERATOR EDDY CURRENT EXAMINATIONS

One hundred percent of the inservice tubes in each steam generator (1RC-E-1A, -1B, -1C) were examined full length with bobbin coil probes using multiple frequencies selected by the First Energy Nuclear Operating Company (FENOC). Special interest areas (e.g. top-of-tubesheet, low row U-bends, dents, dings & distorted signals) were further evaluated with various configurations of the Plus Point probe.

Westinghouse Electric personnel were utilized as the primary data acquisitioners and analysts. An independent second party review of all data was performed by Zetec, Inc. The analysis was performed manually, however, computer assisted analysis was used for sludge pile mapping, dent/ding signal recognition and possible ligament crack identification at tube support plates. APTECH Engineering performed a third party overview of the data. All analysts were required to pass a site specific performance demonstration prior to analyzing eddy current data from the current outage.

All examinations and analysis were performed in compliance with the Beaver Valley Power Station Unit 1 Technical Specifications, NRC Regulatory Guide 1.83, the EPRI "PWR Steam Generator Examination Guidelines" (Rev. 5), ISIE1-7, "Unit #1 Steam Generator Analysis Guidelines"(Rev. 5) and Generic Letter 95-05, "Voltage Based Repair Criteria for Westinghouse Steam Generator Tubes Affected by Outside Diameter Stress Corrosion Cracking".

In accordance with Generic Letter 95-05, magnetic-biased .720" diameter bobbin coil probes were used on all tube sections where the G. L. 95-05 requirements were applied. Smaller size bobbin probes (.700"; .680") were utilized in some of the lower row U-Bend areas (Rows 3 - 9) to allow the probe to traverse this region. Bobbin coil data acquisition speed was 40 inches per second. The following table summarizes the results:

	RC-E-1A	RC-E-1B	RC-E-1C
NO. OF TUBES EXAMINED WITH BOBBIN COIL	2588	2819	3037

A single coil magnetic biased Plus Point probe was used to examine the U-bend region of all inservice tubes in Rows 1 and 2 plus a 20% sample of U-bend region in the Row 3. The following table summarizes the results:

	RC-E-1A	RC-E-1B	RC-E-1C
NO. OF U-BENDS EXAMINED WITH + POINT	127	123	187
NO. OF TUBES WITH U-BEND INDICATIONS	1	0	2

100% of the Distorted Support Plate Signals (DSI's) greater than the G. L. 95-05 limit of 2.00 volts were examined using a Plus Point probe. The following table summarizes the results:

	RC-E-1A	RC-E-1B	RC-E-1C
NO. OF DSI's	1271	936	817
DSI's > 2.00 VOLTS CONFIRMED BY + POINT	7	4	1

The Plus Point probe was used to examine 100% of the hot leg WEXTEX region in each steam generator. In addition, the Plus Point probe was used on: 100% of the RC-E-1A cold leg top-of-tubesheet region (This was due to the number of indications found the previous outage), a 20% random sample of the cold leg top-of-tubesheet region in RC-E-1B & a 20% random sample of the cold leg top-of-tubesheet region in RC-E-1C. Indications observed on the hot leg side (36 total) were repaired by tube sleeving (-1A & -1B) and/or tube plugging (-1C). No indications were observed on the cold leg side of the steam generator. The following table summarizes the results:

	RC-E-1A	RC-E-1B	RC-E-1C
NO. OF HOT LEG TUBES EXAMINED	2588	2819	3037
HOT LEG TUBES WITH INDICATIONS	8	15	13
NO. OF COLD LEG TUBES EXAMINED	2588	678	683
COLD LEG TUBES WITH INDICATIONS	0	0	0

APPENDIX IV

SUMMARY OF 1R13 STEAM GENERATOR EDDY CURRENT EXAMINATIONS

A total of 401 tubes were unplugged (226 in S/G "A", 175 in S/G "B") in anticipation of returning these locations to service through the Westinghouse laser welded sleeving process. Of these unplugged tubes, 11 tubes in RC-E-1A & 11 tubes in RC-E-1B were subsequently re-plugged with Westinghouse mechanical plugs manufactured from Inconel 690 material.

Five hundred sixteen laser welded tube sleeves were installed (S/G "A" - 303 sleeves in 229 tubes, S/G "B" - 213 sleeves installed in 185 tubes). Three sleeved tubes in RC-E-1B were removed from service. One tube sleeve (installed in an inservice tube) was plugged due to installation anomalies and two tubes sleeves (installed in unplugged tubes) were administratively removed from service.

Twenty-seven tubes were plugged during this outage. The following table summarizes the results:

	RC-E-1A	RC-E-1B	RC-E-1C
> 2.00 VOLTS (G. L. 95-05)	1	0	1
HOT LEG TOP-OF-TUBESHEET INDICATIONS	0	0	13
ROW 1/2 U-BEND INDICATIONS	1	0	2
C/L THINNING	4	2	1
SLEEVED TUBE WITH INDICATION	0	1	0
ADMINISTRATIVELY PLUGGED	1	0	0
TOTAL PLUGGED	7	3	17

In addition, several other activities took place:

A) In accordance with the requirements of G. L. 95-05, 100% of dents > 5.00 volts located at support plates and support plate residual signals that could possibly mask a 1.00 volt indication were examined with the Plus Point probe. No indications were observed. In addition, 14 dents and/or free-span dings ≥ 2.00 volts located between the hot leg top-of-tubesheet & the 3rd hot leg TSP were examined with RPC. No indications were observed.

B) 100% of the bobbin data was analyzed to evaluate the TSP regions with regards to ligament cracking. No new indications were observed.

C) Screening of the eddy current data for loose parts was performed on an area three rows deep around the periphery of the tube bundle in each generator. Loose part signals were then verified through secondary side visuals. FOSAR attempts were made to retrieve all parts. Those parts that could not be retrieved were analyzed to remain in the secondary side of the generators via 10CFR50.59 evaluations.

D) A sludge pile profile was performed on 100% of the secondary side tubesheet for each generator. Sludge lancing was performed in RC-E-1A (30 lbs removed), RC-E-1B (43 lbs) & RC-E-1C (19 lbs).

E) Seventy-four intersections on the cold leg side of RC-E-1A steam generator (1st & 2nd supports) were examined using RPC. Those intersections were hydraulically expanded in the 5th refueling outage as a remedial measure to control cold leg thinning. No indications were observed.

F) Framatome Technologies' Inconel 600 roll plugs were examined using a single coil Plus Point probe. Plugs with indications were replaced with Inconel 690 material. In addition, a 20% sample of the FTI Inconel 690 roll plugs was examined using a Plus Point probe. No indications were observed in the I-690 plugs.

G) In RC-E-1C, 70 Framatome Inconel 600 rolled plugs were removed leaving no I-600 plugs remaining in the generator. These locations were subsequently re-plugged with Westinghouse mechanical plugs manufactured from Inconel 690 material.

H) Ninety-nine carbon steel J-tubes were replaced with Inconel 600 J-tubes. This completes a 100% change-out to Inconel 600.

APPENDIX V

FLUX THIMBLE EDDY CURRENT EXAMINATIONS

APPENDIX V

1R13 FLUX THIMBLE EDDY CURRENT EXAMINATIONS

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

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.

Eighteen of the thimbles tubes that exhibited the most severe wear scars (during past examinations) were replaced this outage. The 1R13 examination was performed after the installation of the new thimble tubes.

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	3
40% - 49% TW	7
30% - 39% TW	7
20% - 29% TW	10
< 20% TW	1
NDD	22

NDD - No Detectable Degradation

APPENDIX VI

REPAIR/REPLACEMENT ABSTRACT
AND
NIS-2 FORMS

NIS-2 APPENDIX

FILE NUMBER	MARK NUMBER	WORK ORDER	REPAIR or REPLACEMENT
642	MOV-1RW-114A	94-029284-000	Replacement
983	Pipe Supports	DCP-2264	Replacement
1036	Pipe Supports	DCP-2298	Replacement
1041	REJ-CC-16A	059361	Replacement
1047	PS-243-VS-1	070807	Replacement
1057	GN-TK-1A	DCP-2313	Replacement
1057	GN-TK-1B	DCP-2313	Replacement
1057	GN-TK-1C	DCP-2313	Replacement
1070	FP-800	072868	Replacement
1071	FP-804	072477	Replacement
1086	VS-E-4B	073492	Replacement
1095	SHP-HSS-213	076049	Replacement
1096	WFPD-HSS-206	076061	Replacement
1097	RC-PSSP-116	076065	Replacement
1098	WFPD-HSS-229	076079	Replacement
1100	RC-HC-9A	076043	Replacement
1101	CC-HSS-401	076044	Replacement
1102	RC-HSS-2	076045	Replacement
1103	RC-HSS-130	076046	Replacement
1104	RS-HSS-220	076048	Replacement
1105	SI-PSSP-2	076058	Replacement
1106	SI-PSSP-67C	076059	Replacement
1107	SI-HSS-516B	076060	Replacement
1108	WR-HSS-302	076062	Replacement
1110	CC-HSS-21A	076064	Replacement
1111	WGCB-PSSP-55H	076066	Replacement
1112	WGCB-PSSP-101	076067	Replacement
1113	CC-HSS-408	076068	Replacement
1114	FC-HSS-201	076069	Replacement
1115	RH-HSS-110	076070	Replacement
1116	RH-HSS-114	076071	Replacement
1117	RH-HSS-124	076072	Replacement
1118	RS-HSS-209A	076073	Replacement
1119	RS-HSS-210A	076074	Replacement
1120	SI-PSSP-60D	076075	Replacement
1121	SI-PSSP-337	076076	Replacement
1122	SI-HSS-523A	076077	Replacement
1123	WFPD-HSS-210	076078	Replacement
1124	WR-HSS-304B	076081	Replacement
1125	WR-HSS-313	076082	Replacement
1141	RV-1RC-551C	074908	Replacement
1152	1WR-67	99-202900-000	Replacement
1158	MS-81	078258	Repair
1159	SS-17	075974	Repair
1160	WR-3-1Z	078501	Replacement
1169	1RW-481	99-205747-002	Replacement
1170	1RW-486	99-205747-000	Replacement
1171	1RW-486	99-205747-002	Replacement
1172	SI-HSS-512A	078410	Replacement
1173	WR-66	97-064125-000	Replacement
1174	WR-67	97-064126-000	Replacement
1174	WR-67	97-064126-011	Replacement

NIS-2 APPENDIX

FILE NUMBER	MARK NUMBER	WORK ORDER	REPAIR or REPLACEMENT
1175	WR-68	99-216297-000	Replacement
1177	1RW-76	97-064126-000	Replacement
1178	1RW-77	97-064125-000	Replacement
1178	1RW-77	97-064125-002	Replacement
1179	1RW-78	97-064126-003	Replacement
1180	1RW-79	97-064125-003	Replacement
1200	1WR-P-1C	99-209275-020	Repair
1205	1RW-84	99-220852-000	Replacement
1208	1RW-488	99-213626-000	Replacement
1209	1MS-80	99-207254-000	Replacement
1210	1MS-81	99-207313-000	Replacement
1211	1MS-82	99-207283-000	Replacement
1212	RC-E-1A	P.O. 7024829	Repair
1213	RC-E-1B	P.O. 7024829	Repair
1214	RC-E-1C	P.O. 7024829	Repair
1215	1CH-P-1A	99-214843-000	Replacement
1218	NRV-1MS-101C	99-214049-000	Replacement
1219	MOV-1RH-758	97-068699-000	Replacement
1220	1RW-106	99-207295-000	Replacement
1244	REJ-1RW-6A	99-201218-000	Replacement
1246	1RC-P-1B	98-072482-000	Repair
1247	CH-95	99-213394-000	Replacement
1248	1FW-33	99-214068-000	Replacement
1251	1RS-E-1A	99-211769-000	Repair
1252	1RS-E-1C	99-211770-000	Repair
1253	RV-1RH-721	99-211166-000	Replacement
1254	1RH-P-1A	99-204982-000	Replacement
1255	RV-1RC-551A	99-211159-000	Replacement
1260	1RH-E-1A	00-003336-000	Replacement
1261	1RH-E-1B	00-003337-000	Replacement
1262	FE-1RH-605	00-003339-000	Replacement
1264	1RW-487	99-213625-000	Replacement
1266	1RH-7	98-072975-000	Replacement
1268	1RH-9	98-072391-000	Replacement
1270	MOV-1RC-556C	96-053910-000	Replacement
1272	REJ-1RW-25R	98-075700-000	Replacement
1273	1RW-107	99-214379-000	Replacement
1279	RC-HSS-4	99-211085-000	Replacement
1280	RC-HSS-101	99-211086-000	Replacement
1281	RS-HSS-229	99-211089-000	Replacement
1282	SI-PSSP-9	99-211091-000	Replacement
1283	SI-HSS-515	99-211095-000	Replacement
1284	SI-HSS-522	99-211096-000	Replacement
1285	WR-HSS-316	99-211098-000	Replacement
1286	CC-HSS-1B	99-211101-000	Replacement
1287	RC-HSS-3	99-211106-000	Replacement
1288	SI-PSSP-10	99-211110-000	Replacement
1289	SI-PSSP-33A	99-211111-000	Replacement
1290	SI-HSS-212A	99-211113-000	Replacement
1291	SI-HSS-412	99-211114-000	Replacement
1292	SI-HSS-413	99-211115-000	Replacement
1293	SI-HSS-414	99-211116-000	Replacement

NIS-2 APPENDIX

FILE NUMBER	MARK NUMBER	WORK ORDER	REPAIR or REPLACEMENT
1294	WR-HSS-310	99-211122-000	Replacement
1296	1RW-61	00-005155-000	Repair
1299	1RW-183	97-067155-000	Repair
1300	1RW-483	00-004417-002	Replacement
1301	TV-MS-111C	98-068950-000	Replacement
1302	CC-HSS-407A	99-211084-000	Replacement
1303	RC-HC-10B	99-210923-000	Replacement
1304	RS-HSS-237	00-004614-000	Replacement
1305	SHP-HSS-207	99-211108-000	Replacement
1306	SI-HSS-416	00-004613-000	Replacement
1307	WFPD-HSS-201	99-211117-000	Replacement
1308	WFPD-HSS-209	99-211118-000	Replacement
1309	WFPD-HSS-212	99-211121-000	Replacement
1310	TV-1BD-101A1	96-056300-000	Replacement
1311	CC-SH-220A	00-007743-000	Replacement
1312	TV-1BD-101B2	96-056299-000	Replacement
1314	1RW-YS-40	DCP-2400	Replacement
1315	1RW-YS-41	DCP-2400	Replacement
1316	1RW-YS-42	DCP-2400	Replacement
1319	1RW-76	00-000186-000	Replacement
1320	MEJ-1CC-2	DCP-2375	Replacement
1320	MEJ-1CC-12S	DCP-2375	Replacement
1321	1CCR-904	DCP-2375	Replacement
1321	1CCR-905	DCP-2375	Replacement
1321	1CCR-906	DCP-2375	Replacement

Form No. 642

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 06-08-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #94-029284-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date N/A

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Butterfly Valve	Allis-Chalmers	N/A	N/A	MOV-1RW-114A	1976	Repaired	No
Studs	Nova Machine	N/A	N/A	Ht #69515-QQE	1999	Replace-ment	No
Nuts	Nova Machine	N/A	N/A	Ht #68395/FSD	1999	Replace-ment	No

7. Description of Work Replaced valve inlet/outlet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data Reports available.

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 Senior Eng. Date June 8th, 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 2/16/00 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
Inspector's Signature

Commissions NB7519 (NI) PA2162
National Board, State, Province, and Endorsements

Date June 13, 20 00

File No. 983

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 10/06/97
Sheet 1 of 5
Unit BVPS Unit 1
Design Change Package 2264

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety Injection System, Hydrogen Recombiner System

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Sum-71 Addenda, none Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
See attached Sheets for detailed information							

7. Description of work Replacement of pipe supports

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

RTL #A4.414-A

File No. 983

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 10/06/97
Sheet 2 of 5
Unit BVPS Unit 1
Design Change Package 2264

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety Injection System, Hydrogen Recombiner System

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Sum-71 Addenda, none Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	N/A	N/A	PS-14 on line 2"-CH-2-602-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-14 on line 2"-CH-2-602-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CH-2-602-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CH-2-602-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-2-602-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-2-602-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-17-602-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-17-602-Q1	N/A	REPLACEMENT	NO

Date JULY 7 1998 Signed C Manuel by DLC
Date July 27, 1998
Robert Cumock Commissions NB7509 (WI) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

RTL #A4.414-A

File No. 983

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 10/06/97
Sheet 3 of 5
Unit BVPS Unit 1
Design Change Package 2264

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety Injection System, Hydrogen Recombiner System

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Sum-71 Addenda, none Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	N/A	N/A	PS-11 on line 2"-CH-99-1502-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-11 on line 2"-CH-99-1502-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-100-1502-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-100-1502-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-101-1502-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-101-1502-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-7 on line 2"-CH-101-1502-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-7 on line 2"-CH-101-1502-Q2	N/A	REPLACEMENT	NO

Date JULY 7 1998 Signed C Manuss by DLC
Date July 27, 1998
Robert J Crouch Commissions NB7509(N,I) PA2162
(Inspector) (Nat'l Board, State, Prov. and No.)

File No. 983

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 10/06/97
Sheet 4 of 5
Unit BVPS Unit 1
Design Change Package 2264

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety Injection System, Hydrogen Recombiner System

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Sum-71 Addenda, none Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-140-1503-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-140-1503-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-141-1503-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-141-1503-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-SI-22-1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-SI-22-1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-SI-83-1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-SI-83-1502-Q1	N/A	REPLACEMENT	NO

Date July 7 1998 Signed Carmen Mancuso by DLC
Date July 27, 1998
Robert Cimock Commissions NB7509 (N,I) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

RTL #A4.414-A

File No. 983

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 10/06/97
Sheet 5 of 5
Unit BVPS Unit 1
Design Change Package 2264

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety Injection System, Hydrogen Recombiner System

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Sum-71 Addenda, none Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-170-153W-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-170-153W-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-SBTV-15-151-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-SBTV-15-151-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-SBTV-21-151-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-SBTV-21-151-Q2	N/A	REPLACEMENT	NO

Date JULY 7, 1998 Signed [illegible] by DLC
Date July 27, 1998
Robert Cimock Commissions NB7509(N,I) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

FORM NIS-2 (Back)

9. Remarks The support components were installed by DCP-2264 at Unit #1 prior to the 12th Refueling Cycle.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Carmen Manzano (Owner or Owner's Designee, Title) Date July 7, 19 98

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 8/8/97 to 7/27/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date July 27, 19 98

(1/96)

File No. 1036

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
2. One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 02/04/98
Sheet 1 of 9
Unit BVPS Unit 1
Design Change Package 2298

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety, Injection System, Low Head Safety Injection System, Component Cooling, High Pressure Steam Drains, Primary Drains, Primary Grade Water,

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
See attached Sheets for detailed information							

7. Description of work Replacement of pipe supports

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

File No. 1036

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 02/04/98
Sheet 2 of 9
Unit BVPS Unit 1
Design Change Package 2298

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety, Injection System, Low Head Safety Injection System, Component Cooling, High Pressure Steam Drains, Primary Drains, Primary Grade Water,

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-2-602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-2-602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-59-153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-59-153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CH-57-153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CH-57-153W-Q3	N/A	REPLACEMENT*	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-59-153W-Q3	N/A	REPLACED	NO

* Code Case N-416-1 invoked.

Date August 13, 1998 Signed Carmen Mancuso by DLC
Date Aug 24, 1998
Robert Amoch
(Inspector)
Commissions NB7509 (NI) PA 2162
(Nat'l Board, State, Prov. and No.)

File No. 1036

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 02/04/98
Sheet 3 of 9
Unit BVPS Unit 1
Design Change Package 2298

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety, Injection System, Low Head Safety Injection System, Component Cooling, High Pressure Steam Drains, Primary Drains, Primary Grade Water,

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-59-153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-57-153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-57-153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-62-153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-62-153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-59-153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-59-153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-59-153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-59-153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-21 on line 2"-CH-1-1502-Q1	N/A	REPLACED	NO

Date 8/13/98 Signed Carmen Mancuso by DLC
Date AUG 24, 1998
Robert Cimoch Commissions NB7509 (N,I) PA2162
(Inspector) (Nat'l Board, State, Prov. and No.)

RTL #A4.414-A

File No. 1036

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 02/04/98
Sheet 4 of 9
Unit BVPS Unit 1
Design Change Package 2298

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety, Injection System, Low Head Safety Injection System, Component Cooling, High Pressure Steam Drains, Primary Drains, Primary Grade Water,

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

PIPE SUPPORT	N/A	N/A	N/A	PS-21 on line 2"-CH-1-1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-22 on line 2"-CH-1-1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-22 on line 2"-CH-1-1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-24 on line 2"-CH-1-1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-62-153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-62-153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-1-1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-1-1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-17 on line 2"-CH-1-1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-17 on line 2"-CH-1-1502-Q1	N/A	REPLACEMENT	NO

Date August 13, 1998 Signed Carmen Manuzzo by DLC
Date Aug 24, 1998
Robert Cimoch
(Inspector)
Commissions NB7509 (N,I) PA2162
(Nat'l Board, State, Prov. and No.)

RTL #A4.414-A

File No. 1036

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 02/04/98
Sheet 5 of 9
Unit BVPS Unit 1
Design Change Package 2298

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety, Injection System, Low Head Safety Injection System, Component Cooling, High Pressure Steam Drains, Primary Drains, Primary Grade Water,

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CC-243-1501-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CC-243-1501-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CC-239-1501-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CC-239-1501-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CC-181-1501-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CC-181-1501-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-140-1503-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-140-1503-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-SI-50-602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-SI-50-602-Q2	N/A	REPLACEMENT	NO

Date AUGUST 13, 1998 Signed Carmen Manuso by DLC
Date AUG 24, 1998
Robert Cimoch Commissions NB 7509 (N,I) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

RTL #A4.414-A

File No. 1036

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 02/04/98
Sheet 6 of 9
Unit BVPS Unit 1
Design Change Package 2298

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety, Injection System, Low Head Safety Injection System, Component Cooling, High Pressure Steam Drains, Primary Drains, Primary Grade Water,

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-49-602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-49-602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-250-602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-250-602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line ¾"-SI-125-1502-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line ¾"-NSL-5-152-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-SI-123-602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-SI-123-602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 1"-DG-70-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 1"-DG-70-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line ¾"-CH-112-1502-Q2	N/A	REPLACED	NO

Date AUGUST 13, 1998 Signed [illegible] by DLC
Date AUG 24, 1998
Robert [illegible] Commissions NB 7509 (W,I) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

RTL #A4.414-A

File No. 1036

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 02/04/98
Sheet 7 of 9
Unit BVPS Unit 1
Design Change Package 2298

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety, Injection System, Low Head Safety Injection System, Component Cooling, High Pressure Steam Drains, Primary Drains, Primary Grade Water,

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 3/4"-CH-112-1502-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-132-602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-132-602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 1"-DG-68-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 1"-DG-68-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-2 on line 2"-SI-113-602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-2 on line 2"-SI-113-602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-SI-113-602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	H-14A-3 on line 3"-DG-65-152	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	H-14A-3 on line 3"-DG-65-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	H-1A-1 on line 3"-DG-65-152	N/A	REPLACED	NO

Date AUGUST 13, 1998 Signed [illegible] by DLC
Date Aug 24 1998
Robert [illegible] Commissions NB 7509 (N,I) PA 2162
(Inspector) (Nat'l Board, State, Prov. and No.)

File No. 1036

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 02/04/98
Sheet 8 of 9
Unit BVPS Unit 1
Design Change Package 2298

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Chemical & Volume Control System ,High Head Safety, Injection System, Low Head Safety Injection System, Component Cooling, High Pressure Steam Drains, Primary Drains, Primary Grade Water,

5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.

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

(New Line Numbers, Valves, & Components)

PIPE SUPPORT	N/A	N/A	N/A	H-1A-1 on line 3"-DG-65-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	H-31A-1 on line 3"-DG-65-152	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	H-31A-1 on line 3"-DG-65-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-SHPD-16-601	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-SHPD-16-601	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-9A on line 2"-SI-36-153W-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-9A on line 2"-SI-36-153W-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PSA-1 on line 1"-DA-206-152	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	SI-R-19 on line 12"-SI-110-602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	SI-R-19 on line 12"-SI-110-602-Q2	N/A	REPLACEMENT	NO

Date August 13, 1998 Signed [illegible] by DLC
Date Aug 24, 1998
Robert Crouch Commissions NB 7509(N,I) PA2162
(Inspector) (Nat'l Board, State, Prov. and No.)

9. Remarks The support components were installed by DCP 2298 during the 12th Refueling Outage.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Carmen Marano, Senior Engineer Date August 13, 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period Aug 21, 1997 to Aug 24, 1998, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions NB 7589 (N, I) PA 2162
National Board, State, Province, and Endorsements

Date Aug 24, 19 98

(1/96)

Form No. 1041

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

1. Owner Duquesne Light Company (NAME) — Date 06-29-98

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #059361 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Component Cooling (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Expansion Joint	Goodall	N/A	N/A	REJ-CC-16A	N/A	Replaced	N/A
"	Garlock	7-0429	N/A	"	1997	Replace-ment	"

7. Description of Work Replaced rubber expansion joint and flange studs/nuts.

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

9. Remarks No Code Data Report available. Rubber expansion joint replaced per TER-9264.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date June 29, 19 98

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/19/98 to 6/30/98 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 June 30, 19 98

Form No. 1047

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

1 Owner Duquesne Light Company (NAME) — Date 06-29-98

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

2 Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #070807 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date *

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Snubber	Grinnell	9153	N/A	PS-243-VS-1	N/A	Replaced	No
"	"	9170	"	"	"	Replace-ment	"

7. Description of Work Replaced snubber.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure _____ psi Test Temp. _____ °F *N/A

9. Remarks Replaced snubber due to leaking seal. No Code Data Report available.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date June 29, 19 98

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/24/98 to 6/30/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 June 30, 19 98

File No. 1057

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

1. Owner Duquesne Light Company
One Oxford Centre, Pittsburgh, PA 15279
2. Plant Beaver Valley Power Station
Shippingport, PA 15077

Date 05/29/98
Sheet 1 of 1
Unit BVPS Unit 1
Design Change Package 2313

3. Work Performed by Duquesne Light Company
Shippingport, PA 15077

Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Safety Injection System (Nitrogen)

5. (a) Applicable Construction ANSI B31.1-67 Addenda, S71 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989.

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

(New Line Numbers, Valves, & Components)

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
GN-TK-1A	Pennsylvania Tank and Tube Inc.	0424-1	302	N/A	1998	Replacement	Yes
GN-TK-1B	Pennsylvania Tank and Tube Inc.	0424-2	303	N/A	1998	Replacement	Yes
GN-TK-1C	Pennsylvania Tank and Tube Inc.	0424-3	304	N/A	1998	Replacement	Yes

7. Description of work Installation of Nitrogen Accumulator Tanks

8. Test Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
Other ☐ Pressure 770 psi Test Temp. ambient °F

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

9. Remarks The Nitrogen Accumulator Tanks were installed by Duquesne Light Company. GN-TK-1A and GN-TK-1B are complete replacements for existing tanks. GN-TK-1C is a new tank which never previously existed.

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. NA Expiration Date NA

Signed Carmen V Mancuso SENIOR ENGR. Date 5/29, 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 3/12/98 to 6/12/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 JUNE 12, 19 98

Form No. 1070

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

1. Owner Duquesne Light Company (NAME) — Date 07-24-98

411 Seventh Avenue - Pittsburgh, PA 15279 (ADDRESS) — Sheet 1 of 3

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #072868 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System Fire Protection (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Atwood-Morrill	15-13540	N/A	FP-800	1980	Repaired	Yes
Disc	"	2	N/A	HT#C7471 TR CL66	1988	Replace-ment	Yes

7. Description of Work Replaced valve disc.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐

Other ☐ Pressure 50 psi Test Temp. 82 °F

9. Remarks Valve disc was replaced as part of a modification to correct valve soft seat problems. The valve was purchased as ASME Section III Class 2, but installed into a Unit 1 ANSI B31.1 system. Form N-2 for new disc weldment attached, along with original NPV-1 Form for 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 Thomas L. Wile Senior Eng. Date July 24, 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Waltham, Massachusetts have inspected the components described in the Owner's Report during the period 7/14/98 to 7/29/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 Cimock Commissions NB7509(N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date July 29, 19 98

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

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

Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street, Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Duquesne Light Co. P.O. Box 345 Shippingport, PA 15077
(name and address of Purchaser)

3. Location of installation Beaver Valley Pwr. Station RT 168 Shippingport, PA 15077
(name and address)

4. Type: *43312-003-C Rev. 1 (drawing no.) SA479 Gr. 316 (mat'l. spec. no.) 82,900 PSI (tensile strength) N/A (CRN) 1998 (year built)

5. ASME Code, Section III, Division 1: 1974 (edition) S1974 (addenda date) 2 (class) N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 05, A&M Item 05, Qtv. 1, Disc Weldment A&M P/N 43312-003-4013-000 (A&M S.O. 25974) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1974 Edition Summer 1974 Addenda.

8. Nom. thickness (in.) .890" Min. design thickness (in.) .736" 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) HT# C7471 TR. CL46	N/A
(2) SN: 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 2735 psi. Temp. 280 °F. Hydro. test pressure N/A (when applicable) at temp. °F

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 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.

Certificate Holder's Serial Nos. HT# C7471 TR. CL46 through SN: 2

CERTIFICATION OF DESIGN

Design specifications certified by Stephen A. Shuman (when applicable) P.E. State PA Reg. no. 30264-E

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2607 Expires 6-13-01

Date 7/2/98 Name Atwood & Morrill Co., Inc. (NPT 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 MA and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected these items described in this Data Report on 7/2/98, 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 7/2/98 Signed [signature] (Authorized Inspector) Commissions MA 1751 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Attached to Disc

Lugs - HT No. 33221 TR. CL 9

SERIAL NO: 15-13540
MARK NO:
TYPE:
COMMENTS:

2BV-020

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

* REVISED COPY

1. Manufactured by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970 (Name and Address of N Certificate Holder)
2. Manufactured for Stone & Webster Engineering Corp., Boston, MA (For Duquesne Light) (Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Shippingport, PA (Name and Address)
4. Pump or Valve Valve. Nominal Inlet Size 3 (inch) Outlet Size 3 (inch)

	(a) Model No., Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l Bd. No.	(g) Year Built
(1)	3" Check Valve	15-13540	N/A	13540-06-H * Rev. 8	2	N/A	1980
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

* Revised to update drawing rev. level
Original NPV-1 form signed by H. Evans on 6/26/80

RECEIVED
APR 25 1984
Stone & Webster
Engineering Corporation
Document Review

5. 3" Check Valve (Brief description of service for which equipment was designed)

6. Design Conditions 2735 (Pressure) psi 280 (Temperature) °F or Valve Pressure Class N/A (1)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body RT# T1877 Ht.# F66A4-5	SA 351 Gr. CF8M	Duraloy Alloy	S/N 15-13540
(b) Forgings			
Cover Ht.# 17717	SA 182 Gr. F-316	Cann & Saul	S/N 15-13540
Load Key Ht.# NX7642	SB-564	Cann & Saul	S/N 15-13540

Duquesne Light Co.
Beaver Valley Unit 2
P.O. No. 28V-20
Misc. Check Valves
2½" and Larger
Manufactured By
Atwood & Morrill Co., Inc.
285 Canal Street
Salem, MA 01970

(1) For manually operated valves only.

*Supplemental information in the 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 on the top of this form, and (4) each additional sheet is signed by the Certificate Holder and the AIA.

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Brg.Cover Studs	SA 193 Gr. B8	Jos.Dyson & Sons	Code 158
Brg.Cover Nuts	SA 194 Gr. 8	Jos.Dyson & Sons	Code 161
(d) Other Parts			
Stuff.Box Cover	SA 240 Gr. 316	Sandmeyer Steel (MS)	S/N 15A-13540
Ht.# 625179		Crucible Steel (MM)	S/N 15B-13540
Disc	SA 479 Gr. 316	Industrial Service	S/N 15-13540
Ht.# 79183		Center (MS)	
		Jos.Stainless (MM)	
Disc Lug (2)	SA 479 Gr. 316	Industrial Service	S/N 15A-13540
Ht.# 79183		Center (MS)	S/N 15A-13540
		Jos.Stainless (MM)	

9. Hydrostatic test 5500 psi. Disk Differential test pressure 3650 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. I, Edition 1974, Addenda Summer 1974 (Date), Code Case No. N/A, Date N/A

Signed Atwood & Morrill Co., Inc. (N Certificate Holder) by John M. Cosey QA Mgr 4/19/84

Our ASME Certificate of Authorization No. N-2606 to use the N (N) symbol expires 6/13/86 (Date).

CERTIFICATION OF DESIGN

Design information on file at Stone & Webster

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

Design specifications certified by (1) Arthur W. Elliot

PE State PA Reg. No. 616-K

Stress analysis certified by (1) N/A

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

(1) Signature not required. List name only.

RECEIVED
APR 25 1984
Stone & Webster
Engineering Corporation
Document Review

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the pump, or valve, described in this Data Report on 4-26 19 84, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 4-19 19 84. Commissions MA 1378 10-C-3564 (Nat'l Bd., State, Prov. and No.)

(Inspector)

3

Form No. 1071

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

1. Owner Duquesne Light Company (NAME) — Date 07-24-98

   411 Seventh Avenue - Pittsburgh, PA 15279 (ADDRESS) — Sheet 1 of 3

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #072477 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Fire Protection (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Atwood-Morrill	14-13540	N/A	FP-804	1980	Repaired	Yes
Disc	"	N/A	N/A	Ht#49672 TR CL45	1998	Replace-ment	Yes

7. Description of Work Replaced valve disc.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐

   Other ☐ Pressure 50 psi Test Temp. 82 °F

9. Remarks Valve disc was replaced as part of a modification to correct valve soft seat problems. The valve was purchased as ASME Section III Class 2, but installed into a Unit 1 ANSI B31.1 system. Form N-2 for new disc weldment attached, along with original NPV-1 Form for valve.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date July 24, 19 98

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 7/14/98 to 7/29/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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(NI) PA2162 (National Board, State, Province, and Endorsements)

Date July 29, 19 98

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

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

Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street, Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Duquesne Light Co. P.O. Box 345 Shippingport, PA 15077
(name and address of Purchaser)

3. Location of installation Beaver Valley Pwr. Station RT 168 Shippingport, PA 15077
(name and address)

4. Type:* 43312-003-C Rev.1 (drawing no.) SA479 Gr.316 (mat'l. spec. no.) 83,200 PSI (tensile strength) N/A (CRN) 1998 (year built)

5. ASME Code, Section III, Division 1: 1974 (edition) S1974 (addenda date) 2 (class) N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 05, A&M Item 05, Qty. 1, Disc Weldment A&M P/N 43312-003-4013-000 (A&M S.O. 25974) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1974 Edition Summer 1974 Addenda.

8. Nom. thickness (in.) .890" Min. design thickness (in.) .736" Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) HT# 49672 TR. CL45	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)	

10. Design pressure 2735 psi. Temp. 280 °F. Hydro. test pressure N/A (when applicable) at temp. °F

Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 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. HT# 49672 Tr. CL45 through

CERTIFICATION OF DESIGN

Design specifications certified by Stephen A. Shuman (when applicable) P.E. State PA Reg. no. 3026

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2607 Expires 6-13-01

Date 6/25/98 Name Atwood & Morrill Co., Inc. (NPT 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 NEW HAMPSHIRE and employed by H.S.B.I. & I. CO. of Hartford, CT have inspected these items described in this Data Report on JUNE 25, 1998, 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 6/25/98 Signed [signature] (Authorized Inspector) Commissions NH 202 "H" (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Attached to Disc

Lugs - HT NO. 33221 TR. CL9 S/N 1-2

SERIAL NO: 14-13540
MARK NO:
TYPE:
COMMENTS:

2BV-020

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 * REVISED COPY

1. Manufactured by Atwood & Morrill Co., Inc., 285 Canal St., Salem, MA 01970 (Name and Address of N Certificate Holder)
2. Manufactured for Stone & Webster Engineering Corp., Boston, MA (For Duquesne Light) (Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Shippingport, PA (Name and Address)
4. Pump or Valve Valve. Nominal Inlet Size 3 (inch) Outlet Size 3 (inch)

	(a) Model No., Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	3" Check	14-13540	N/A	13540-06-H	2	N/A	1980
(2)	Valve			* Rev. 6			
(3)							
(4)							
(5)	* Revised to update drawing rev. level						
(6)	Original NPV-1 form signed by H. Evans on 6/26/80						
(7)							
(8)							
(9)							
(10)							

RECEIVED
APR 23 1984
Stone & Webster
Engineering Corporation
Document Review

5. 3" Check Valve (Brief description of service for which equipment was designed)

6. Design Conditions 2735 (Pressure) psi 280 (Temperature) °F or Valve Pressure Class N/A (1)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body	SA 351 Gr. CF8M	Quaker Alloy	S/N 14-13540
RT# T1881			
Ht.# 6684-9			
(b) Forgings			
Cover	SA 182 Gr. F-316	Cann & Saul	S/N 14-13540
Ht.# 17717			
Load Key	SB-564	Cann & Saul	S/N 14-13540
Ht.# NX7642			

Duquesne Light Co.
Beaver Valley Unit 2
P.O. No. 2BV-20
Misc. Check Valves
2½" and Larger
Manufactured By
Atwood & Morrill Co., Inc.
285 Canal Street
Salem, MA 01970

(1) For manually operated valves only.

*Supplemental information in the 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, and (4) each additional sheet shall be signed by the Certificate Holder and the AIA.

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Brg.Cover Studs	SA 193 Gr. B8	Jos.Dyson & Sons	Code J58
Brg.Cover Nuts	SA 194 Gr. 8	Jos.Dyson & Sons	Code J61
(d) Other Parts			
Stuff.Box Cover	SA 240 Gr. 316	Sandmeyer Steel(MS)	S/N 14A-13540
Ht.# 625179		Crucible Steel(MM)	S/N 14B-13540
Disc	SA 479 Gr. 316	Industrial Service	S/N 14-13540
Ht.# 79183		Center (MS)	
		Jos.Stainless St.(MM)	
Disc Lug (2)	SA 479 Gr. 316	Industrial Service	S/N 14A-13540
Ht.# 79183		Center (MS)	S/N 14A-13540
		Jos.Stainless St.(MM)	

9. Hydrostatic test 5500 psi. Disk Differential test pressure 3650 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974, Addenda Summer 1974 (Date), Code Case No. N/A, Date N/A

Signed Atwood & Morrill Co., Inc. (N Certificate Holder) by John M. Carey Group Mgr 4/19/84

Our ASME Certificate of Authorization No. N-2606 to use the N (stamp) symbol expires 6/13/86 (Date).

CERTIFICATION OF DESIGN

Design information on file at Stone & Webster

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

Design specifications certified by (1) Arthur W. Elliot

PE State PA Reg. No. 616-K

Stress analysis certified by (1) N/A

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

(1) Signature not required. List name only.

RECEIVED
APR 25 1984
Stone & Webster
Engineering Corporation
Document Review

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the pump, or valve, described in this Data Report on 6-26 19 82, 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 4-19 19 84. Commissions [illegible] (Inspector) (Nat'l Bd., State, Prov. and No.)

Form No. 1086

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

1. Owner Duquesne Light Company (NAME) — Date 08-31-98

   411 Seventh Avenue - Pittsburgh, PA 15279 (ADDRESS) — Sheet 1 of 2

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #073492 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Ventilation System (Q3)

5. (a) Applicable Construction Code Sect. VIII 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)
Heat Exchanger	York Div. Borg-Warner	1-2239	46531	VS-E-4B	1972	Repaired	Yes
End Bell	York Intl.	N/A	N/A	Ht #421A2951	1991	Replace-ment	No

7. Description of Work Replaced heat exchanger end bell covers.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks U-I Data Report attached. Previous NIS-2 Data Report Nos: 348, and 196. The end bell covers were replaced because they had corroded.

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 September 01, 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Waltham, Massachusetts have inspected the components described in the Owner's Report during the period 8/7/98 to 9/2/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date Sept 2, 19 98

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

F6-20-K

As required by the Provisions of the ASME Code Rules, Section VIII, Division I

1. Manufactured by YORK DIVISION BORG-WARNER CORPORATION, YORK, PENNSYLVANIA - U.S.A. (Name and address of Manufacturer)

2. Manufactured for BEAVER VALLEY POWER STATION, SHIPPINGPORT, PENNSYLVANIA (Name and address of Purchaser)

3. Type Horiz. (Horiz. or Vert.) Kind Ht. Exch (Tank, Jacketed, Heat Exch.) Vessel No. ( ) (Mfrs. Serial) ( ) (State & State No.) Natl. Bd. No. 46531 Yr. Built 1972

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

4. SHELL: Material SA-53-B (Kind and Spec. No.) T.S. 60,000 (Fig. or F.B. & Spec. Min. T.S.) Nominal Thickness 5/16" In. Corrosion Allowance In. Diam. 15-3/8" In. Length 21 Ft. In.

5. SEAMS: Long Seamless (Welded, Dbl., Single, Lap, Butt) H.T. No (Yes or No)[1] R.T. No (Spot or Complete) Sectioned No (Yes or No) Efficiency 100 %

Girth H.T. R.T. Sectioned No. of Courses 1

If riveted describe seams fully on reverse side of form.

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

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)								
(b)								

If removable, bolts used (Material, Spec. No., T.S., Size, Number) Other fastening (Describe or Attach Sketch)

7. STAYBOLTS: (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Horiz.) X (Vert.) Diam. (Nominal)

8. JACKET CLOSURE: (Describe as ogee & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press[1] 300 psi at max. temp. 250 °F. Min. Temp. (when less than -20°) °F. Hydrostatic or Pneumatic Test Press 375 psi.

Items 10 and 11 to be completed for tube sections. SA-515-70 S.S. 304 SA-240 1/4" Clad

10. TUBE SHEETS: Stationary. Material Steel (Kind & Spec. No.) Diam. 15-3/8" (Subject to Pressure) Thickness 1" In. Attachment Welded (Welded, Bolted)

Floating. Material (Kind & Spec. No.) Diam. In. Thickness In. Attachment

11. TUBES: Material Stainless Steel SA-249 TP-304 (Kind & Spec. No.) O.D. 3/4 In. Thickness #16BWG Minimum or Gage Number 150 Type Straight (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL Material (Kind and Spec. No.) T.S. (Fig. or F.B. & Spec. Min. T.S.) Nominal Thickness In. Corrosion Allowance In. Diam. Ft. In. Length Ft. In.

13. SEAMS: Long (Welded, Dbl., Single, Lap, Butt) H.T. (Yes or No) R.T. (Spot or Complete) Sectioned (Yes or No) Efficiency %

Girth H.T. R.T. Sectioned No. of courses

If riveted describe seams fully on reverse side of form.

14. HEADS (a) Material T.S. (b) Material T.S. (c) Material T.S.

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

If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b)

(c) Other fastening (Describe or Attach Sketch)

15. Constructed for max. allowable working press[1] 150 psi at max. temp. 150 °F. Min. temp. (when less than -20°) °F. Hydrostatic or Pneumatic Test Press Leak test 100 psi.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number 1 Size 1/2" Location Near end of shell

17. NOZZLES

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet	1	4"	Pipe	SA-53-B	Sch. 40	SA-515-70	Welded
Outlet	1	4"	Pipe	SA-53-B	Sch. 40	SA-515-70	Welded
Equal	1	1-1/4"	Coupling	SA-105-2	3,000 lb.		Welded
Purge	1	3/8"	Coupling	SA-105-2	3,000 lb.		Welded

SYS. CODE	EQ. ID. NO.	MAJOR	MINOR	UNIT	P.O.
M VS	VS-E 1B	P	2.4	1	AV-35A

[1] If postweld heat-treated. [1] List under remarks other internal or external pressures with coincident temperature when applicable.

(Over)

01969

N. B. #40551

18. INSPECTION OPENINGS: Manholes, No. _____ Size _____ Location _____
Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ (Yes or No) Lugs _____ (Number) Legs _____ (Number) Other 2-Supports welded bottom-ends (Describe) Attached (Where & How)

20. REMARKS: 16" x 7' Condenser - Refrigerant (Non-corrosive Service)
Tube section code exempt U-1(d)(2)
4" conn - weld end
Hydrostatic test 450 psi before tubing
SA-249 material conforms to UG-9

Constructed under the provisions of UG-90 (c)(2)
(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooker, etc. State contents of each part.)

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

Date August 7 1972 Signed YORK DIVISION BORG-WARNER CORP., YORK, PENNA. (Manufacturer) By R. C. Kam
Engineering Dept., Heat Exch
Senior Engineer

Certificate of Authorization No. 875 Expires Dec. 31, 1972

01970

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY YORK DIVISION BORG-WARNER CORPORATION, YORK, PENNA. - U.S.A.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province Pennsylvania and employed by Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut have inspected the pressure vessel described in this manufacturer's data report on May 16 1972, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

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

Date August 7 1972

R. A. Chandler
Inspectors Signature

Commissions Natl, Bd Comm. #3695
Nat'l Board, State, Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province _____ and employed by _____ of _____ have compared the statements in this manufacturer's data report with the described pressure vessel and state that parts referred to as data items _____, not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code. The described vessel was inspected and subjected to a hydrostatic test of _____ psi.

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

Date _____ 19__

Inspector's Signature _____ Commissions _____
Nat'l Board, State, Province and No.

	SYS. CODE	EQ. ID. NO.	MAJOR	MINOR	UNIT	P. O.
m	US	US-E-4b	P	2-4	1	BH-354

Form No. 1095

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

1. Owner Duquesne Light Company (NAME) — Date 06-22-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076049 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date *

4. Identification of System Main Steam (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	8332	N/A	SHP-HSS-213	N/A	Replaced	No
"	"	VB5642	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 [illegible] Senior Engineer Date June 22nd, 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 2/11/99 to 6/30/99, 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 Cimock Commissions NB 7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 30, 19 99

Form No. 1096

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076061 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System Feedwater (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	12698	N/A	WFPD-HSS-206	N/A	Replaced	No
"	"	24546	"	"	"	Replace-ment	"

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 *N/A

FORM NIS-2 (Back)

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

CERTIFICATE OF COMPLIAN.

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 Repa. lacement Program"

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

Signed [signature] Senior Eng. Date August 23rd, 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 2/11/99 to 8/25/99, 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.

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

Date Aug. 25, 19 99

Form No. 1097

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

1. Owner Duquesne Light Company (NAME) — Date 06-21-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076065 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Reactor Coolant (Class Q1)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	5049	N/A	RC-PSSP-116	N/A	Replaced	No
"	"	11402	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Sr. Engineer (Owner or Owner's Designee, Title) Date June 21st, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/11/99 to 6/22/99, 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 Cimock (Inspector's Signature) Commissions NB7509(N,I) PA2162 (National Board, State, Province, and Endorsements)

Date June 22, 19 99

Form No. 1098

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076079 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System Feedwater (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	VB-5642	N/A	WFPD-HSS-229	N/A	Replaced	No
"	"	30460	"	"	"	Replace-ment	"

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 *N/A

FORM NIS-2 (Back)

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 Engr Date August 23rd, 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 2/11/99 to 8/25/99, 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.

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

Date Aug. 25, 19 99

Form No. 1100

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

1. Owner Duquesne Light Company (NAME) — Date 06-21-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076043 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 19 65 Edition, W'66 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	Bergen-Patterson	68284-5A	N/A	RC-HC-9A	N/A	Replaced	No
"	"	68284-15	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes. Previous NIS-2 Code Data Report No. 468.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Sr. Engineer (Owner or Owner's Designee, Title) Date June 21st, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/5/99 to 6/22/99, 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 (Inspector's Signature) Commissions NB 7509 (N,I) PA 2182 (National Board, State, Province, and Endorsements)

Date June 22, 19 99

RTL # A4.414-A

Form No. 1101

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

1. Owner Duquesne Light Company (NAME) — Date 06-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076044 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Component Cooling (Class Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	8826	N/A	CC-HSS-401	N/A	Replaced	No
"	"	12183	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 23rd, 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 2/5/99 to 6/24/99, 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(N,I)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 24, 19 99

Form No. 1102

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

1. Owner Duquesne Light Company (NAME) — Date 06-22-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076045 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date *

4. Identification of System Reactor Coolant (Class Q1)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	11287	N/A	RC-HSS-2	N/A	Replaced	No
"	"	11286	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes. Previous NIS-2 Code Data Report No. 182.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date June 22nd, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/5/99 to 6/30/99 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 Cimock (Inspector's Signature) Commissions NB7509(N,I) PA2162 (National Board, State, Province, and Endorsements)

Date June 30, 19 99

Form No. 1103

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

1. Owner Duquesne Light Company (NAME) — Date 06-21-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076046 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date *

4. Identification of System Reactor Coolant (Class Q1)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	12629	N/A	RC-HSS-130	N/A	Replaced	No
"	"	22164	"	"	"	Replace-ment	"

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 *N/A

FORM NIS-2 (Back)

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 [illegible] Sr. Engineer Date June 21st, 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 2/5/99 to 6/23/99, 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 Cimock Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 23, 19 99

RTL # A4.414-A

Form No. 1104

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

1. Owner Duquesne Light Company (NAME) — Date 06-21-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076048 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date *

4. Identification of System Residual Heat Removal (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	8775	N/A	RS-HSS-220	N/A	Replaced	No
"	"	VB-8685B	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Sr. Engineer (Owner or Owner's Designee, Title) Date June 21st, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/5/99 to 6/23/99, 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 Cimock (Inspector's Signature) Commissions NB7509 (N,I) PA 2162 (National Board, State, Province, and Endorsements)

Date June 23, 19 99

Form No. 1105

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

1. Owner Duquesne Light Company (NAME) — Date 06-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076058 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date *

4. Identification of System Safety Injection (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	12177	N/A	SI-PSSP-2	N/A	Replaced	No
"	"	9188	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date June 23rd, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/5/99 to 6/25/99, 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.

Robert Cimoch (Inspector's Signature) Commissions NB 7504 (N,I) PA 2162 (National Board, State, Province, and Endorsements)

Date June 25, 19 99

Form No. 1106

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076059 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System Safety Injection (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	VB-10899B-1-SP	N/A	SI-PSSP-67C	N/A	Replaced	No
"	"	VB-6823B-1-SP	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 [illegible] Senior Eng. Date August 23rd, 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 2/5/99 to 8/24/99, 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 N87509 (NI) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Aug 24, 19 99

Form No. 1107

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076060 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date *

4. Identification of System Safety Injection (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	12168	N/A	SI-HSS-516B	N/A	Replaced	No
"	"	23525	"	"	"	Replace-ment	"

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 *N/A

FORM NIS-2 (Back)

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 August 23rd, 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 2/5/99 to 8/24/99, 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 NB 7509 (NI) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Aug 24, 19 99

Form No. 1108

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076062 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System River Water (Class Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	25917	N/A	WR-HSS-302	N/A	Replaced	No
"	"	25919	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 August 23rd, 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 2/5/99 to 8/23/99, 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 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Aug 23, 19 99

Form No. 1110

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076064 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date *

4. Identification of System Component Cooling (Class Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	14908	N/A	CC-HSS-21A	N/A	Replaced	No
"	"	9651	"	"	"	Replace-ment	"

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 *N/A

FORM NIS-2 (Back)

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 Sr Engr. Date August 23rd, 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 Wilmington, Massachusetts have inspected the components described in the Owner's Report during the period 2/5/99 to 8/24/99, 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 NB 7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Aug 24, 19 99

RTL # A4.414-A

Form No. 1111

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

1. Owner Duquesne Light Company (NAME) — Date 06-22-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076066 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Steam Generator Blowdown (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	16927	N/A	WGCB-PSSP-55H	N/A	Replaced	No
"	"	20932	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 Senior Eng. Date June 22nd, 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 2/5/99 to 6/30/99, 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 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 30, 19 99

RTL # A4.414-A

Form No. 1112

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

1. Owner Duquesne Light Company (NAME) — Date 08-27-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076067 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System Blowdown (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	28648	N/A	WGCB-PSSP-101	N/A	Replaced	No
"	"	16257	"	"	"	Replace-ment	"

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 *N/A

FORM NIS-2 (Back)

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date August 27th, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/5/99 to 9/8/99, 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 (Inspector's Signature) Commissions NB 7509 (N, I) PA 2162 (National Board, State, Province, and Endorsements)

Date Sept 8, 19 99

Form No. 1113

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076068 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System Component Cooling (Class Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	22170	N/A	CC-HSS-408	N/A	Replaced	No
"	"	22179	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 August 23rd, 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 2/5/99 to 8/25/99, 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.

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

Date Aug 25, 19 99

Form No. 1114

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

1. Owner Duquesne Light Company (NAME) — Date 06-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076069 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Fuel Pool Cooling (Class Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	8397	N/A	FC-HSS-201	N/A	Replaced	No
"	"	9187	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 23rd, 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 2/5/99 to 6/24/99, 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 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 24, 19 99

Form No. 1115

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

1. Owner Duquesne Light Company (NAME) — Date 06-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076070 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Residual Heat Removal (Class Q1)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	25483	N/A	RH-HSS-110	N/A	Replaced	No
"	"	30756	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 [illegible] Sr. Engr. Date June 23rd, 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 2/5/99 to 6/24/99, 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 Cimock Commissions NB 7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 24, 19 99

Form No. 1116

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

1. Owner Duquesne Light Company (NAME) — Date 06-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076071 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Residual Heat Removal (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	VB-7360	N/A	RH-HSS-114	N/A	Replaced	No
"	"	9153	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 23rd, 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 2/5/99 to 6/24/99, 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 Cimock Commissions NB7509(NI) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 24, 19 99

Form No. 1117

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

1. Owner Duquesne Light Company (NAME) — Date 06-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076072 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System Residual Heat Removal (Class Q1)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	8189	N/A	RH-HSS-124	N/A	Replaced	No
"	"	31970	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Senior Eng. (Owner or Owner's Designee, Title) Date June 23rd, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/5/99 to 6/25/99, 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.

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

Date June 25, 19 99

Form No. 1118

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

1. Owner Duquesne Light Company (NAME) — Date 06-22-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076073 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date *

4. Identification of System Recirculation Spray (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	8873	N/A	RS-HSS-209A	N/A	Replaced	No
"	"	8402	"	"	"	Replace-ment	"

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 *N/A

FORM NIS-2 (Back)

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 Sr. Engr. Date June 22nd, 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 2/5/99 to 6/29/99, 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 Cimock Commissions N87509(N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 29, 19 99

Form No. 1119

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

1. Owner Duquesne Light Company (NAME) — Date 06-22-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076074 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date *

4. Identification of System Recirculation Spray (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	25881	N/A	RS-HSS-210A	N/A	Replaced	No
"	"	22185	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes. Previous NIS-2 Code Data Report No. 469.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Engr (Owner or Owner's Designee, Title) Date June 22nd, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/5/99 to 6/25/99, 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.

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

Date June 25, 19 99

Form No. 1120

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076075 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date *

4. Identification of System Safety Injection (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	VB-6794B	N/A	SI-PSSP-60D	N/A	Replaced	No
"	"	10162	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 [illegible] Senio-Eng. Date August 23rd, 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 2/5/99 to 8/23/99, 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 Cimock Commissions NB7509 (N I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Aug 23, 19 99

RTL # A4.414-A

Form No. 1121

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

1. Owner Duquesne Light Company (NAME) — Date 06-22-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076076 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Safety Injection (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	12749	N/A	SI-PSSP-337	N/A	Replaced	No
"	"	22171	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 Senior Eng. Date June 22nd, 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 2/5/99 to 6/30/99, 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 NB 7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 30, 19 99

Form No. 1122

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

1. Owner Duquesne Light Company (NAME) — Date 06-22-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076077 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Safety Injection (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	8806	N/A	SI-HSS-523A	N/A	Replaced	No
"	"	12174	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Senior Engr. (Owner or Owner's Designee, Title) Date June 22nd, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/5/99 to 6/29/99, 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 Cimock (Inspector's Signature) Commissions NB2509(NI) PA2162 (National Board, State, Province, and Endorsements)

Date June 29, 19 99

Form No. 1123

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076078 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System Feed water (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S71 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	ITT Grinell	8836	N/A	WFPD-HSS-210	N/A	Replaced	No
"	"	8376	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 Engr Date August 23rd, 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 2/5/99 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

RTL # A4.414-A

Form No. 1124

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

1. Owner Duquesne Light Company (NAME) — Date 06-22-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #076081 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date *

4. Identification of System River Water (Class Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	8177	N/A	WR-HSS-304B	N/A	Replaced	No
"	"	8179	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [illegible] Sr. Eng. (Owner or Owner's Designee, Title) Date June 22nd, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/5/99 to 6/23/99, 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 (Inspector's Signature) Commissions NB7509 (N,I) PA2162 (National Board, State, Province, and Endorsements)

Date June 23, 19 99

Form No. 1125

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

1. Owner Duquesne Light Company (NAME) — Date 06-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #076082 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date *

4. Identification of System River Water (Class Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	8838	N/A	WR-HSS-313	N/A	Replaced	No
"	"	8773	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.

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 [illegible] Sr. Engineer Date June 23rd, 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 2/5/99 to 6/24/99, 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 Cimock Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 24, 19 99

Form No. 1141

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

1. Owner Duquesne Light Company (NAME) — Date 05-05-2000

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #074908 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code Section III 19 68 Edition, S'68 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)
Relief Valve	Target Rock	1	N/A	RV-1RC-551C	1973	Replaced	Yes
Relief Valve	Target Rock	5	N/A	RV-1RC-551C	1995	Replace-ment	Yes
Main Stem	Target Rock	11	N/A	Ht #95578	1993	Replace-ment	No

7. Description of Work Replaced valve with spare. The main stem was replaced on the spare prior to installation.

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

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 594, 313, 262. Valve was replaced with a spare for testing purposes. Valve S/N 5 was refurbished at Wyle Laboratories by Target Rock under DLCo P.O. #D169137 during which the main stem and piston were replaced.

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 [illegible] Senior Engr. Date May 8th, 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 4/8/00 to 6/2/00, 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 NB 7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 2, 20 00

Form No. 1152

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

1. Owner Duquesne Light Company (NAME) — Date 08-25-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #99-202900-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System River Water (Class Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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)
Piping	Stone &Webster	N/A	N/A	1WR-67	1976	Replaced	No
"	Duquesne Light	"	"	"	1999	Replace-ment	"

7. Description of Work Replaced a short section of pipe due to a pinhole leak.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

9. Remarks No Code Data Reports. The 2" pipe, item #1 on isometric drawing 6.24-1426, was replaced due to a pinhole leak. Replacement was in accordance with 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 [illegible] Senior 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 3/30/99 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

RTL # A4.414-A

Form No. 1158

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

1. Owner Duquesne Light Company (NAME) — Date 07-21-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — MWR #078258 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date *

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code B16.34 19 73 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)
Check Valve	Crane	N/A	N/A	MS-81	N/A	Repaired	No

7. Description of Work Seal welded valve hinge pin plug.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure _____ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks No Code Data Report. Previous NIS-2 Data Reports Nos: 997, 907, 665, and 168.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date July 21st, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/15/99 to 7/22/99, 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 (Inspector's Signature) Commissions NB7509 (N,I) PA2162 (National Board, State, Province, and Endorsements)

Date July 22, 19 99

RTL # A4.414-A

Form No. 1159

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 07-21-99

   Sheet 1 of 1

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

   Unit No. 1

   MWR #075974
   REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

   Type Code Symbol Stamp Not Applicable

   Authorization No. N/A

   Expiration Date "

4. Identification of System Sample System (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, 71 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)
Tubing	Stone & Webster	N/A	N/A	SS-17	N/A	Repaired	No

7. Description of Work Weld repaired damaged tube.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure 1650 psi Test Temp. 61.6 °F

9. Remarks No Code Data Report. Tube (line no. SS-17) was damaged during maintenance activities, and is downstream of valve BD-14.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [illegible] Senior Eng. (Owner or Owner's Designee, Title) Date July 21st, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/22/99 to 7/27/99, 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 Cumock (Inspector's Signature) Commissions NB 7509 (N,I) PA2162 (National Board, State, Province, and Endorsements)

Date July 27, 19 99

RTL # A4.414-A

Form No. 1160

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

1. Owner Duquesne Light Company (NAME) — Date 06-17-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #078501 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date *

4. Identification of System River Water (Class Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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)
Pipe	Stone & Webster	N/A	N/A	WR-3-1Z Vacuum Breaker	1974	Replaced	No

7. Description of Work Replaced inlet pipe nipple to valve RW-487.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

9. Remarks No Code Data Report. Inlet pipe nipple to valve was replaced due to a pinhole leak. Replacement was in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Sr. Eng. (Owner or Owner's Designee, Title) Date June 17th, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/26/99 to 6/23/99, 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 (Inspector's Signature) Commissions NB7509(N,I) PA2162 (National Board, State, Province, and Endorsements)

Date June 23, 19 99

Form No. 1169

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 06-05-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. Nos: 99-205747-002, 00-004415-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Pacific	----	N/A	1RW-481	1976	Replaced	No
Gate Valve	Vogt	14-215131	N/A	1RW-481	1985	Replace-ment	No

7. Description of Work Replaced valve with a spare.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data Report available. Replacement was in accordance with Code Case N-416-1. Valve was manufactured to ANSI B16.34 and MSS-SP61.

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 Senior-Eng. Date June 12, 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 9/30/99 to 6/15/00, 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 June 15, 20 00

RTL # A4.414-A

Form No. 1170, 1171

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 06-05-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. Nos: 99-205747-000, -002 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Pacific	----	N/A	1RW-486	1976	Replaced	No
Check Valve	Enertech	10886	N/A	1RW-486	1998	Replace-ment	No

7. Description of Work Replaced valve and fittings.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data Report available. Replaced valve and fittings in accordance with Code Case N-416-1,and TER-12651. Valve was manufactured to ANSI B16.34 and 10080-DMS-0251.

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 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 8/12/99 to 6/15/00, 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) 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 15, 20 00

RTL # A4.414-A

Form No. 1172

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

1. Owner Duquesne Light Company (NAME) — Date 08-23-99

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — MWR #078410 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System Safety Injection (Class Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 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	ITT Grinell	25922	N/A	SI-HSS-512A	N/A	Replaced	No
"	"	25917	"	"	"	Replace-ment	"

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 *N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes. Previous NIS-2 Data Report No. 890.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Sr. Eng. (Owner or Owner's Designee, Title) Date August 23rd, 19 99

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Norwood, Massachusetts have inspected the components described in the Owner's Report during the period 4/20/99 to 9/8/99, 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 Cimock (Inspector's Signature) Commissions NB 7509 (N,I) PA2162 (National Board, State, Province, and Endorsements)

Date Sept 8, 19 99

RTL # A4.414-A

Form No. 1173

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

1. Owner Duquesne Light Company (NAME) — Date 05-04-2000

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #97-064125-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Piping	Stone &Webster	N/A	N/A	WR-66	1976	Replaced	No
Piping	Duquesne Light	N/A	N/A	WR-66	1999	Replace-ment	No

7. Description of Work Replaced piping/fittings.

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

FORM NIS-2 (Back)

9. Remarks: No Code Data Reports available. Previous NIS-2 Code Data Reports Nos. 459 and 193. Piping and fittings were replaced in accordance with Code Case N-416-1. *Year installed.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date May 4th, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 9/3/99 to 5/5/00, 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 Cimoch (Inspector's Signature) Commissions NB7509(N,I) PA 2162 (National Board, State, Province, and Endorsements)

Date May 5, 20 00

Form No. 1174

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

1. Owner Duquesne Light Company (NAME) — Date 04-24-2000

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #97-064126-000, -011 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date *

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Piping	Stone &Webster	N/A	N/A	WR-67	1976	Replaced	No
Piping	Duquesne Light	N/A	N/A	WR-67	1999	Replace-ment	No

7. Description of Work Replaced piping/fittings, reworked support

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks: No Code Data Reports available. Previous NIS-2 Code Data Report No. 460. Piping and fittings were replaced in accordance with Code Case N-416-1. Pipe support PS-1 was also reworked by adding integrally welded lugs to the new replacement pipe.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date April 24, 19 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 9/8/99 to 10/29/99, 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 Amoch (Inspector's Signature) Commissions NB7509 (NI) PA2162 (National Board, State, Province, and Endorsements)

Date April 25, 2000

Form No. 1175

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

1. Owner Duquesne Light Company (NAME) — Date 04-24-2000

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-216297-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Piping	Stone &Webster	N/A	N/A	WR-68	1976	Replaced	No
Piping	Duquesne Light	N/A	N/A	WR-68	1999	Replace-ment	No

7. Description of Work Replaced piping/fittings.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks: No Code Data Reports available. Previous NIS-2 Code Data Report No. 479. Piping and fittings were replaced in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng (Owner or Owner's Designee, Title) Date April 24, 19 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 9/8/99 to 4/27/00, 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.

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

Date April 27, 20 00

RTL # A4.414-A

Form No. 1177

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

1. Owner Duquesne Light Company (NAME) — Date 06-07-2000

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. Nos: 97-064126-000, -002 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Ball Valve	Kerotest	JAW21-19	N/A	1RW-76	1987	Replaced	No
Ball Valve	Kerotest	ASN3-46	N/A	1RW-76	1999	Replace-ment	No

7. Description of Work Replaced valve with like kind.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks: No Code Data Reports available. Replacement was in accordance with Code Case N-416-1. Valve was manufactured to ANSI B16.34.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [illegible] Senior Eng. (Owner or Owner's Designee, Title) Date June 8th, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 9/8/99 to 6/9/00, 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 Cemach (Inspector's Signature) Commissions NB 7509 (NI) PA 2162 (National Board, State, Province, and Endorsements)

Date June 9, 20 00

RTL # A4.414-A

Form No. 1178

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

1. Owner Duquesne Light Company (NAME) — Date 05-04-2000

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #97-064125-002, -000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By DLCo -Nuclear Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date *

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Kerotest	JAW21-5	N/A	1RW-77	1990	Replaced	No
Check Valve	Kerotest	E174P-1-1	N/A	1RW-77	1999	Replace-ment	No

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 No Code Data Reports available. Previous NIS-2 Data Report No: 193. Replacement in accordance with Code Case N-416-1. *Year installed.

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 May 4th, 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 9/3/99 to 5/5/00, 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 Cimoch Commissions NB7509 (N,I) PA 2182
Inspector's Signature National Board, State, Province, and Endorsements

Date May 5, 20 00

Form No. 1179

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

1. Owner Duquesne Light Company (NAME) — Date 04-24-2000

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #97-064126-003 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Ball Valve	Contromatics	N/A	N/A	1RW-78	1976	Replaced	No
Ball Valve	BW/IP	E182A-1-1	N/A	1RW-78	1999	Replace-ment	No

7. Description of Work Replaced valve with like kind.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data Reports available. Replacement was in accordance with Code Case N-416-1. Work was documented under Work Order 97-064126-000. Valve was designed to ANSI B16.34.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date April 24, 19 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 9/8/99 to 4/27/00, 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.

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

Date April 27, 20 00

Form No. 1180

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

1. Owner Duquesne Light Company (NAME) — Date 06-21-2000

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #97-064125-000, -003 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Ball Valve	Contromatics	----	N/A	1RW-79	1976	Replaced	No
Ball Valve	Anchor-Darling	V2415-002	N/A	1RW-79	1994	Replace -ment	No

7. Description of Work Replaced valve with spare.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data Reports available. Replacement was in accordance with 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 Senior Eng. Date June 21st, 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 9/3/99 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.

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

Date June 27, 20 00

Form No. 1200

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

1. Owner Duquesne Light Company (NAME) — Date 06-23-2000

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

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #99-209275-020, -000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

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

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

Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code Section VIII 19 71 Edition, S'71 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)
Pump	Byron Jackson	701-N-0599	N/A	1WR-P-1C	1976	Repaired	No

7. Description of Work Weld repaired eroded areas on pump columns in area of spider assembly and bearing housings.

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

9. Remarks No Code Data Report available.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng (Owner or Owner's Designee, Title) Date June 23rd, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 9/22/99 to 6/23/00, 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 Amoch (Inspector's Signature) Commissions NB7509 (N,I) PA2162 (National Board, State, Province, and Endorsements)

Date June 23, 20 00

Form No. 1205

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 04-02-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-220852-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction Dept. (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Ball Valve	Contromatics	----	N/A	1RW-84	1976	Replaced	No
Ball Valve	Anchor-Darling	E770A-1	N/A	1RW-84	----	Replace-ment	No

7. Description of Work Replaced valve.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure _____ psi Test Temp. _____ °F

9. Remarks No Code Data Report available. Valve replacement was in accordance with Code Case N-416-1. Valve was manufactured to ANSI B16.34-88.

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] Senio-Eng. Date April 2, 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 Commissions NB7509(NI) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 4, 20 00

Form No. 1208

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 03-24-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. 99-213626-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Pacific Valves	----	N/A	1RW-488	1976	Replaced	No
Nozzle Check	Enertech	1088	"	"	1998	Replace-ment	"

7. Description of Work Replaced valve and fittings.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Replaced valve and fittings in accordance with Code CaseN-416-1. Valve was manufactured to ANSI B16.34 and 10080-DMS-0251.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date March 31, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 12/7/99 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 Cimoch (Inspector's Signature) Commissions NB7509(N,I) PA2162 (National Board, State, Province, and Endorsements)

Date April 1, 20 00

Form No. 1209

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 06-07-2000

   Sheet 1 of 1

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

   Unit No. 1

   W.O. #99-207254-000
   REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance (NAME)
   Shippingport, PA 15077 (ADDRESS)

   Type Code Symbol Stamp Not Applicable

   Authorization No. N/A

   Expiration Date "

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code ANSI B16.34 19 73 Edition, __ 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	Crane	N/A	N/A	1MS-80	1976	Repaired	No
Hinge Pin Plug	Crane	N/A	N/A	Lot #85K	1997	Replace-ment	No

7. Description of Work Replaced and seal welded new hinge pin plug.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71 system. Previous NIS-2 Code Data Report Nos: 1018, 601, and 144.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior-Eng. (Owner or Owner's Designee, Title) Date June 7th, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 6/9/00, 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 Comoch (Inspector's Signature) Commissions NB7509 (NI) PA2162 (National Board, State, Province, and Endorsements)

Date June 9, 20 00

Form No. 1210

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 06-07-2000

   Sheet 1 of 1

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

   Unit No. 1

   W.O. #99-207313-000
   REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance (NAME)
   Shippingport, PA 15077 (ADDRESS)

   Type Code Symbol Stamp Not Applicable

   Authorization No. N/A

   Expiration Date "

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code ANSI B16.34 19 73 Edition, __ 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	Crane	N/A	N/A	1MS-81	1976	Repaired	No
Hinge Pin Plug	Crane	N/A	N/A	Lot #85K	1997	Replace-ment	No

7. Description of Work Replaced and seal welded new hinge pin plug.

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

FORM NIS-2 (Back)

9. Remarks: No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71 system.

Previous NIS-2 Code Data Report Nos: 997, 907, 665, 537 and 168.

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 [illegible] Senior Eng. Date June 8th, 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 2/15/00 to 6/9/00, 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 9, 20 00

RTL # A4.414-A

Form No. 1211

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 06-05-2000

   Sheet 1 of 1

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

   Unit No. 1

   W.O. #99-207283-000
   REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance (NAME)
   Shippingport, PA 15077 (ADDRESS)

   Type Code Symbol Stamp Not Applicable

   Authorization No. N/A

   Expiration Date "

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code ANSI B16.34 19 73 Edition, __ 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	Crane	N/A	N/A	1MS-82	1976	Repaired	No
Disc	Crane-Aloyco	N/A	N/A	Ht #616298 S/R #C4234	1994	Replace-ment	No
Hinge Pin Plug	Crane	N/A	N/A	Lot #85K	1997	Replace-ment	No

7. Description of Work Replaced valve disc and seal welded new hinge pin plug.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71 system.

Previous NIS-2 Code Data Report Nos: 1019, 666, and 148.

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 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 2/15/00 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 Gamach Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 7, 20 00

Form #: 1212

RTL# A4.414-A

APPENDIX II - MANDATORY

Form NIS-2

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 (Name) — Date 05/25/00

   76 South Main Street – Akron, OH 44308-1890 (Address) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (Name) — Unit 1

   Shippingport, PA 15077 (Address) — Westinghouse P.O. 7024829 (Reactor Organization P.O. No., Job No., etc.)

3. Work Performed by BVPS/Maj. Comp. Eng. (Name) — Type Code Symbol Stamp Not Applicable

   Authorization No. N/A

   Shippingport, PA 15077 (Address) — Expiration Date N/A

4. Identification of System Reactor Coolant (Q1)

5.(a) Applicable Construction Code Section III 19 65 Edition, W'66 Addenda, 1429 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 19 1989 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	DLGT-1301	68-45	RC-E-1A	1971	Repaired & Replaced	Yes

7. Description of Work Installed 14 new tube plugs (7 tubes), replaced 36 defective tube plugs (36 hot leg), installed 303 Westinghouse laser welded sleeves in 215 tubes, machined the secondary side manway & handhole gasket seating surfaces, replaced 2 secondary side manway covers, replaced bolt #7 on handhole #2, replaced handhole cover #1 replaced 30 J-tubes.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

   Other ☐ Pressure _____ psi Test Temp. _____ °F

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

This Form (E00030) may be obtained from the ASME Order Dept. 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM NIS-2 (Back)

9. Remarks ASME repair work orders: Tube plugging/sleeving – W.O. 99-210139-000,
Applicable Manufacturer's Data Reports to be attached
Secondary side manway machining – W.O. 99-210128-000
Secondary side handhole machining – W.O. 99-211150-000

PA 434597

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 Hay Albert, ISI Coordinator Date May 25th, 2000
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 3/1/00 to 6/1/00, 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 Cimoch Commissions NB7509(N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 1, 2000

Form #: 1213

RTL# A4.414-A

APPENDIX II - MANDATORY

Form NIS-2

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 (Name) — Date 05/25/00

   76 South Main Street – Akron, OH 44308-1890 (Address) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (Name) — Unit 1

   Shippingport, PA 15077 (Address) — Westinghouse P.O. 7024829 (Reactor Organization P.O. No., Job No., etc.)

3. Work Performed by BVPS/Maj. Comp. Eng. (Name) — Type Code Symbol Stamp Not Applicable

   Authorization No. N/A

   Shippingport, PA 15077 (Address) — Expiration Date N/A

4. Identification of System Reactor Coolant (Q1)

5.(a) Applicable Construction Code Section III 19 65 Edition, W'66 Addenda, 1429 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 19 1989 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	DLGT-1302	68-46	RC-E-1B	1971	Repaired & Replaced	Yes

7. Description of Work Installed 6 new tube plugs (3 tubes), stabilized 2 tubes, replaced 10 defective tube plugs (9 hot leg, 1 cold leg), installed 210 Westinghouse laser welded sleeves in 182 tubes, machined the secondary side manway & handhole gasket seating surfaces, replaced 2 secondary side manway covers, replaced bolt # 1 on secondary manway #2, replaced 2 handhole coverS, replaced 35 J-tubes.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

   Other ☐ Pressure _____ psi Test Temp. _____ °F

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

This Form (E00030) may be obtained from the ASME Order Dept. 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM NIS-2 (Back)

9. Remarks ASME repair work orders: Tube plugging/sleeving – W.O. 99-210149-000
Applicable Manufacturer's Data Reports to be attached
Secondary side manway machining – W.O. 99-211155-000
Secondary side handhole machining – W.O. 99-211157-000

PA 434598

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 Gary Alberti, ISI Coordinator Date May 25th, 2000
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 2/1/00 to 6/1/00, 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 Cimoch Commissions NB7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 1, 2000

Form #: 1214

RTL# A4.414-A

APPENDIX II - MANDATORY

Form NIS-2

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 (Name) — Date 05/25/00

   76 South Main Street – Akron, OH 44308-1890 (Address) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (Name) — Unit 1

   Shippingport, PA 15077 (Address) — Westinghouse P.O. 7024829 (Reactor Organization P.O. No., Job No., etc.)

3. Work Performed by BVPS/Maj. Comp. Eng. (Name) — Type Code Symbol Stamp Not Applicable

   Authorization No. N/A

   Shippingport, PA 15077 (Address) — Expiration Date N/A

4. Identification of System Reactor Coolant (Q1)

5.(a) Applicable Construction Code Section III 19 65 Edition, W'66 Addenda, 1429 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 19 1989 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	DLGT-1303	68-47	RC-E-1C	1971	Repaired & Replaced	Yes

7. Description of Work Installed 34 new tube plugs (17 tubes), replaced 70 defective tube plugs (45 hot leg, 25 cold leg), replaced nut # 8 on cold leg primary manway, replaced 2 primary manway insert screws, machined the secondary side manway gasket seating surfaces, replaced 2 secondary side manway covers, installed threaded insert on secondary manway #1 in bolthole #17, replaced bolt #17, replaced 34 J-tubes.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐

   Other ☐ Pressure _____ psi Test Temp. _____ °F

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

This Form (E00030) may be obtained from the ASME Order Dept. 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM NIS-2 (Back)

9. Remarks ASME repair work orders: Tube plugging/sleeving – W.O. 99-210179-000
Applicable Manufacturer's Data Reports to be attached
Secondary side manway machining – W.O. 99-211156-000
Secondary side handhole machining – W.O. 99-211158-000
Secondary side manway threaded insert installation – W.O. 99-211076-000
PA 434599

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 Gary Albert, ISI Coordinator Date May 25th 2000
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 3/1/00 to 6/1/00, 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 Cmoch Commissions NB7509(NI) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 1, 2000

RTL # A4.414-A

Form No. 1215

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 04-10-00

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #99-214843-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By Hydro-Aire, Inc. (NAME) — Type Code Symbol Stamp Not Applicable

834 West Madison-Chicago, IL. 60607 (ADDRESS) — Authorization No. N/A

Expiration Date "

4. Identification of System Chemical and Volume Control (Q2)

5. (a) Applicable Construction Code Draft Pump &Valve 19 1968 Edition, N/A 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)
Pump	Pacific Pumps	49191	N/A	1CH-P-1A	1976	Repaired	No
Seal Housing-Suction	Ingersoll-Dresser Pump	S2621-2-AA	N/A	N/A	1995	Replace-ment	No
Seal Housing-Discharge	Ingersoll-Dresser Pump	S2621-1-AB	N/A	N/A	1995	Replace-ment	No

7. Description of Work Replaced two pump case bolts and both the suction and discharge seal housings.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data Report available. Two (2) pump casing bolts were removed from spare pump S/N 49192 and installed on this pump as part of overall pump disassembly/inspection. Work was performed by Hydo-Aire under BVPS direction using BVPS procedures.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date April 10, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 12/17/99 to 4/12/00, 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 Cimock (Inspector's Signature) Commissions NB7509 (N,I) PA 2162 (National Board, State, Province, and Endorsements)

Date April 12, 20 00

Form No. 1218

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 06-08-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-214049-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code B16.5 19 -- 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)
Check Valve	Schutte & Koerting	ND690565	N/A	NRV-1MS-101C	1976	Repaired	No
Studs	Anchor-Darling	N/A	N/A	Ht #1DN	1996	Replace-ment	No
Nuts	Anchor-Darling	N/A	N/A	N/A	1996	Replace-ment	No
Helicoil	Nova Machine	N/A	N/A	Ht #40002624	2000	Replace-ment	No

7. Description of Work Replaced three studs and seven nuts, installed helicoil inserts into stud holes.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71A 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 Owner or Owner's Designee, Title Senior - Eng. Date June 19th, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 6/20/00, 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 June 20, 20 00

Form No. 1219

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 04-03-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #97-068699-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS – Construction Dept. (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Residual Heat Removal (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Butterfly Valve	Fisher Controls	138439	N/A	MOV-1RH-758	1976	Replaced	No
Butterfly Valve	Fisher-Rosemount	15474222	N/A	MOV-1RH-758	1999	Replace-ment	No

7. Description of Work Replaced valve.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure _____ psi Test Temp. _____ °F

9. Remarks No Code Data Reports available. Valve was replaced with a different design because of excessive leak-by. Original valve design was to ANSI B16.5-68.

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 April 4, 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 12/14/99 to 4/6/00, 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 April 6, 20 00

RTL # A4.414-A

Form No. 1220

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 05-10-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-207295-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	C & S Valve	92-2019-06(Q)-01	N/A	1RW-106	---	Replaced	No
Check Valve	C & S Valve	89-0929-01(Q)-01	N/A	1RW-106	---	Replace-ment	No

7. Description of Work Replaced valve with spare and inlet/outlet studs, nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No: 654. Inlet/outlet studs and four nuts were replaced.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [illegible] Senior Eng. (Owner or Owner's Designee, Title) Date May 10th, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 10/30/99 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 Cimoch (Inspector's Signature) Commissions NB7509 (NI) PA 2162 (National Board, State, Province, and Endorsements)

Date May 12, 20 00

Form No. 1244

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 04-02-00

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #99-201218-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Rubber Expansion Joint	Goodall	----	N/A	REJ-1RW-6A	---	Replaced	No
Rubber Expansion Joint	Garlock	0-0585A	N/A	REJ-1RW-6A	---	Replace-ment	No

7. Description of Work Replaced rubber expansion joint and all studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data report available.

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 April 2, 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 2/28/00 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 Cimock Commissions NB7509(N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 4, 20 00

Form No. 1246

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 06-23-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. Nos: 98-072482-000, 99-215293-000, 00-005456-000, -003 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Reactor Coolant (Class A)

5. (a) Applicable Construction Code Section III 19 68 Edition, --- Addenda, 1355 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)
Pump	Westinghouse	2-618J931G01	----	1RC-P-1B	1976	Repaired	Yes

7. Description of Work Replaced five main flange bolts, repaired linear indication on body.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Main flange bolts nos.: 6640, 6101, 6637, 6422, 6582 were removed, and serial nos.: 13520, 13629, 13630, 13606, 13619 were installed. *Year installed.

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 Senior Eng. Date June 23rd, 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 3/18/00 to 6/23/00, 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 Cimoch Commissions NB 7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 23, 20 00

RTL # A4.414-A

Form No. 1247

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 05-05-2000

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #99-213394-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date "

4. Identification of System Chemical and Volume Control (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Piping	Stone & Webster	N/A	N/A	CH-95	1976	Replaced	No
Piping	FENOC	N/A	N/A	CH-95	2000	Replace-ment	No

7. Description of Work Replaced section of pipe and fittings to change its configuration for clearance Purposes.

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

9. Remarks No Code Data Reports available. Replacement was performed in accordance with 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] Senior Eng. Date May 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 2/14/00 to 5/11/00, 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 Cimock Commissions NB7509 (W,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 11, 20 00

Form No. 1248

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 06-08-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-214068-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Feedwater (Q3)

5. (a) Applicable Construction Code B16.5 19-- 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)
Check Valve	Pacific Valve	26522	N/A	1FW-33	1976	Repaired	No
Plug	Consolidated Power Supply	N/A	N/A	Ht #65P	1996	Replace-ment	No

7. Description of Work Replaced two hinge pin plugs.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks · No Code Data Reports available. Valve is installed into an ANSI B31.1 1969E-S'71A 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 [illegible] Senior Eng Date June 8th, 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 2/23/00 to 6/9/00, 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 (NI) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 9, 20 00

Form No. 1251

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 05-31-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211769-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction Dept. (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Recirculation Spray (Class C)

5. (a) Applicable Construction Code Section III 19 68 Edition, W'68 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	Industrial Process	6301-1	3179	RS-E-1A	1971	Repaired	Yes

7. Description of Work Seal welded diaphragms.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks Heat exchanger was opened for normal maintenance inspection and cleaning. Diaphragms were welded on re-assembly. Previous NIS-2 Data Reports Nos: 945, 854, 697, 690, 595, 557, 435, and 295.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date May 31st, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/22/00 to 6/2/00, 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 Cimock (Inspector's Signature) Commissions NB7509(N,I)PA2162 (National Board, State, Province, and Endorsements)

Date June 2, 20 00

Form No. 1252

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 06-06-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211770-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction Dept. (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Recirculation Spray (Class C)

5. (a) Applicable Construction Code Section III 19 68 Edition, W'68 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	Industrial Process	6301-3	3181	RS-E-1C	1971	Repaired	Yes

7. Description of Work Seal welded diaphragms, and installed and seal welded two tube plugs.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks Heat exchanger was opened for normal maintenance inspection and cleaning. Diaphragms were welded on re-assembly. Previous NIS-2 Data Reports Nos: 946, 855, 698, 689, 596, 558, 486, 288, and 156. The two tube plugs were installed to plug a tube identified during eddy current exam.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [illegible] Senior Eng. (Owner or Owner's Designee, Title) Date June 6th, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 2/22/00 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 Cimoch (Inspector's Signature) Commissions NB7509 (N,I) PA2162 (National Board, State, Province, and Endorsements)

Date June 7, 20 00

Form No. 1253

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 06-08-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211166-000, -006 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Residual Heat Removal (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Relief Valve	Crosby	53237M1	N/A	RV-1RH-721	1976	Replaced	No
Relief Valve	Crosby	N69973M1	N/A	RV-1RH-721	2000	Replace-ment	No

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 No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71 system. *Year installed.

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 [illegible] 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 8/17/99 to 6/23/00, 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 Cimock Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 23, 20 00

Form No. 1254

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 06-19-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-204982-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Residual Heat Removal (Q2)

5. (a) Applicable Construction Code Non-Code 19 -- 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)
Pump	Ingersoll-Dresser	A1208	N/A	1RH-P-1A	1993	Replaced	No
Pump	Ingersoll-Dresser	1170-21	N/A	1RH-P-1A	1976	Replace-ment	No

7. Description of Work Replaced pump with spare.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Pump is installed into an ANSI B31.1 1967E-S'71A system. Previous NIS-2 Code Data Report Nos: 509 and 491.

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 Senior Eng. Date June 19th, 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 3/7/00 to 6/20/00, 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 Cimech Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 20, 20 00

Form No. 1255

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 05-05-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211159-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code Section III 19 68 Edition, S'68 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)
Relief Valve	Target Rock	3	N/A	RV-1RC-551A	1973	Replaced	Yes
Relief Valve	Target Rock	1	N/A	RV-1RC-551A	1973	Replace-ment	Yes

7. Description of Work Replaced valve with spare and one outlet stud.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks Previous NIS-2 Data Report No: 892. Valve was replaced with a spare for testing purposes. Serial No. 1 had previously been repaired under P.O. #D136116, MWR #074908 at Wyle Labs.

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 [illegible] Senior Eng. Date May 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 2/25/00 to 5/11/00, 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 Cimock Commissions NB 2509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 11, 20 00

Form No. 1260

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 05-31-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #00-003336-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction Dept. (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Residual Heat Removal (Class C)

5. (a) Applicable Construction Code Section III 19 68 Edition, N/A 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	Joseph Oat Co.	1832-1	368	1RH-E-1A	1969	Repaired	Yes
Studs	Nova Machine	N/A	N/A	Heat # 8993360 Lot #QZC	1999	Replace-ment	No
Nuts	Nova Machine	N/A	N/A	Heat #52317 Lot #CDR	1999	Replace-ment	No
Nuts	Nova Machine	N/A	N/A	Heat #4906565 Lot #QZD	1999	Replace-ment	No

7. Description of Work Replaced heat exchanger flange studs and nuts, and weld repaired support

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

9. Remarks No Code Data Report available. Flange studs and nuts were replaced due to boric acid leakage. Support was modified to allow for stud removal. Previous NIS-2 Code Data Report No.- 414.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date June 1st, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/6/00 to 6/2/00, 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 June 2, 20 00

Form No. 1261

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 05-31-00

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #00-003337-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction Dept. (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date "

4. Identification of System Residual Heat Removal (Class C)

5. (a) Applicable Construction Code Section III 19 68 Edition, N/A 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	Joseph Oat Co.	1832-2	369	1RH-E-1B	1969	Repaired	Yes
Studs	Nova Machine	N/A	N/A	Heat #70204 Lot #36268024	1999	Replace-ment	No
Nuts	Nova Machine	N/A	N/A	Heat #M52317 Lot #CDR	1999	Replace-ment	No
Nuts	Nova Machine	N/A	N/A	Heat #4906565 Lot #QZD	1999	Replace-ment	No

7. Description of Work Replaced heat exchanger flange studs and nuts.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Report available. Flange studs and nuts were replaced due to boric acid leakage. Previous NIS-2 Code Data Report No.-415.

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 Senior Eng. Date June 1st, 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 3/6/00 to 6/2/00, 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 2, 20 00

Form No. 1262

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 04-19-2000

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #00-003339-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date "

4. Identification of System Residual Heat Removal (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Piping	Stone & Webster	N/A	N/A	FE-1RH-605	1976	Repaired	No

7. Description of Work Replaced flange studs and nuts.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Report available. Studs and nuts were replaced as the result of a gasket leak and boric acid degradation.

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 April 19, 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 2/27/00 to 4/24/00, 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 Cimock Commissions NB 7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 24, 20 00

RTL # A4.414-A

Form No. 1264

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 04-03-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-213625-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Pacific Valves	N/A	N/A	1RW-487	1976	Replaced	No
Nozzle Check	Enertech	10887	N/A	1RW-487	1998	Replace-ment	No

7. Description of Work Replaced valve and fittings.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data Reports available. Replaced valve and fittings in accordance with Code Case N-416-1. Valve was manufactured to ANSI B16.34 and 10800-DMS-0251.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date April 3, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 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.

[signature] (Inspector's Signature) Commissions NB2509(N,I) PA2162 (National Board, State, Province, and Endorsements)

Date April 5, 20 00

Form No. 1266

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 04-17-2000

   Sheet 1 of 1

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

   Unit No. 1

   W.O. #98-072975-000
   REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance (NAME)
   Shippingport, PA 15077 (ADDRESS)

   Type Code Symbol Stamp Not Applicable

   Authorization No. N/A

   Expiration Date "

4. Identification of System Residual Heat Removal (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Crane Valve	N/A	N/A	1RH-7	1976	Repaired	No

7. Description of Work Replaced body to bonnet studs and nuts.

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

9. Remarks No Code Data Reports available. Body to bonnet studs and nuts were replaced as the result of a gasket leak that allowed boric acid accumulation and degradation.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior - Eng. (Owner or Owner's Designee, Title) Date April 17, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 11/30/99 to 4/19/00, 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 April 19, 20 00

Form No. 1268

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 04-19-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #98-072391-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Residual Heat Removal (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Crane Valve	N/A	N/A	1RH-9	1976	Repaired	No

7. Description of Work Replaced body to bonnet studs and nuts.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Report available. Studs and nuts were replaced as the result of a gasket leak and boric acid degradation.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date April 19, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 11/30/99 to 4/24/00, 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 24, 20 00

Form No. 1270

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 06-13-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #96-053910-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code B16.5 19 -- 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)
Globe Valve	Velan	H-49378-234	N/A	MOV-1RC-556C	1976	Repaired	No
Plug	Velan	547	N/A	Ht. Trace 30F	1993	Replace-ment	No

7. Description of Work Replaced valve plug.

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 Reports available. Valve is installed into an ANSI B31.1 1967E-S'71A line.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Sr. Eng. (Owner or Owner's Designee, Title) Date June 14th, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/6/00 to 6/15/00, 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 June 15, 20 00

RTL # A4.414-A

Form No. 1272

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 05-04-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #98-075700-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Rubber Expansion Joint	Goodall	N/A	N/A	REJ-1RW-25R	1995	Replaced	No
Rubber Expansion Joint	Garlock	S/C 1001158 Ht-0-0814	N/A	REJ-1RW-25R	2000	Replace-ment	No

7. Description of Work Replaced rubber expansion joint.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Replaced rubber expansion joint due to end of manufacturers recommended life. Previous NIS-2 Data Report No: 765. *Year installed.

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 [illegible] Senior-Eng Date May 4, 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 3/7/00 to 5/4/00, 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 Commissions NB7509 (NI) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 4, 20 00

Form No. 1273

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 06-13-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-214379-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	C & S Valve	89-0929-01(Q)-02	N/A	1RW-107	---	Replaced	No
Check Valve	Crane Valve	C020033	N/A	1RW-107	1999	Replace-ment	No

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 No Code Data Reports available. Previous NIS-2 Code Data Report Nos: 958 and 655. Valve was manufactured to ANSI B16.34. Valve was manufactured by Crane Valve and commercially dedicated by Atwood & Morrill and assigned serial number 1-50059-01.

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 19th, 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 3/7/00 to 6/20/00, 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 June 20, 20 00

RTL # A4.414-A

Form No. 1279

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 05-03-2000

   Sheet 1 of 1

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

   Unit No. 1

   W.O. #99-211085-000
   REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Construction (NAME)
   Shippingport, PA 15077 (ADDRESS)

   Type Code Symbol Stamp Not Applicable

   Authorization No. N/A

   Expiration Date "

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8425 (V6791B)	N/A	RC-HSS-4	N/A	Replaced	No
Snubber	ITT Grinell	VB-7238B	N/A	RC-HSS-4	N/A	Replace-ment	No

7. Description of Work Replace snubber with spare.

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

9. Remarks No Code Data Reports available.

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 May 03, 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 1/6/00 to 5/4/00, 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 Commissions NB7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 4, 20 00

Form No. 1280

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 04-17-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211086-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	25408	N/A	RC-HSS-101	N/A	Replaced	No
Snubber	ITT Grinell	25471	N/A	RC-HSS-101	N/A	Replace-ment	No

7. Description of Work Replace snubber with spare.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure _____ psi Test Temp. _____ °F

9. Remarks No Code Data Reports available.

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 Senior Eng. Date April 17, 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 12/6/99 to 4/19/00, 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 Amoch Commissions NB7509 (W,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 19, 20 00

Form No. 1281

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211089-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Recirculation Spray (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	25891	N/A	RS-HSS-229	N/A	Replaced	No
Snubber	ITT Grinell	25922	N/A	RS-HSS-229	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

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 April 19, 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 12/7/99 to 4/25/00, 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 Cimarch Commissions NB7509 (N,I) 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 26, 20 00

Form No. 1282

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211091-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8401	N/A	SI-PSSP-9	N/A	Replaced	No
Snubber	ITT Grinell	8873	N/A	SI-PSSP-9	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng (Owner or Owner's Designee, Title) Date April 19, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 12/7/99 to 4/25/00, 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 Cimock (Inspector's Signature) Commissions NB 7509 (N,I) PA 2162 (National Board, State, Province, and Endorsements)

Date April 25, 2000

Form No. 1283

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211095-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	12180	N/A	SI-HSS-515	N/A	Replaced	No
Snubber	ITT Grinell	12168	N/A	SI-HSS-515	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date April 19, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 1/9/00 to 4/24/00, 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(NI) PA 2162 (National Board, State, Province, and Endorsements)

Date April 24, 20 00

Form No. 1284

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211096-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	VB-7239	N/A	SI-HSS-522	N/A	Replaced	No
Snubber	ITT Grinell	8806	N/A	SI-HSS-522	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

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 [illegible] Senior Eng. Date April 19, 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 10/6/99 to 4/19/00, 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(7589) N, I PA 2162
National Board, State, Province, and Endorsements

Date April 19, 20 00

Form No. 1285

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211098-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8396	N/A	WR-HSS-316	N/A	Replaced	No
Snubber	ITT Grinell	30094	N/A	WR-HSS-316	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

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 Reports available.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [illegible] Senior Eng. (Owner or Owner's Designee, Title) Date April 19, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 12/7/99 to 4/24/00, 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 Amoch (Inspector's Signature) Commissions NB7509(N,I) PA2162 (National Board, State, Province, and Endorsements)

Date april 24, 20 00

Form No. 1286

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211101-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Component Cooling (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	2150	N/A	CC-HSS-1B	N/A	Replaced	No
Snubber	Pacific Scientific	20926	N/A	CC-HSS-1B	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

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 [illegible] Senior Eng. Date April 19, 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 12/7/99 to 4/24/00, 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 April 24, 20 00

Form No. 1287

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211106-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	25914	N/A	RC-HSS-3	N/A	Replaced	No
Snubber	ITT Grinell	22170	N/A	RC-HSS-3	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senio-Eng. (Owner or Owner's Designee, Title) Date April 19, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 12/7/99 to 4/24/00, 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 24, 20 00

Form No. 1288

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211110-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8190	N/A	SI-PSSP-10	N/A	Replaced	No
Snubber	ITT Grinell	25881	N/A	SI-PSSP-10	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

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

9. Remarks No Code Data Reports available.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date April 19, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 12/7/99 to 4/24/00, 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 April 24, 20 00

Form No. 1289

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211111-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	12744	N/A	SI-PSSP-33A	N/A	Replaced	No
Snubber	ITT Grinell	30093	N/A	SI-PSSP-33A	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

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

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No. 472.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [illegible] Senior Eng (Owner or Owner's Designee, Title) Date April 19, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 12/7/99 to 4/24/00, 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 April 24, 20 00

Form No. 1290

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211113-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8181	N/A	SI-HSS-212A	N/A	Replaced	No
Snubber	ITT Grinell	8174	N/A	SI-HSS-212A	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

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

9. Remarks No Code Data Reports available.

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 April 19, 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 12/7/99 to 4/19/00, 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(NI) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 19, 20 00

Form No. 1291

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 05-31-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211114-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Safety Injection (Q1)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	9190	N/A	SI-HSS-412	N/A	Replaced	No
Snubber	ITT Grinell	VB-10889	N/A	SI-HSS-412	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

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 Reports available.

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 Sr. Eng. Date May 31st, 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 12/7/99 to 6/2/00, 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 June 2, 20 00

Form No. 1292

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 04-19-00

   76 South Main Street -- Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211115-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	7488	N/A	SI-HSS-413	N/A	Replaced	No
Snubber	ITT Grinell	8397	N/A	SI-HSS-413	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

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 [illegible] Senior Eng. Date April 19, 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 12/7/99 to 4/25/00, 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 Commissions NB7509(N,I)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 25, 20 00

Form No. 1293

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 05-31-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211116-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Safety Injection (Q1)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	23522	N/A	SI-HSS-414	N/A	Replaced	No
Snubber	ITT Grinell	12629	N/A	SI-HSS-414	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No. 470.

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 Senior Eng. Date May 31st, 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 12/7/99 to 6/2/00, 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 2, 20 00

Form No. 1294

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211122-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date *

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8178	N/A	WR-HSS-310	N/A	Replaced	No
Snubber	ITT Grinell	11455	N/A	WR-HSS-310	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

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 April 19, 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 12/7/99 to 4/19/00, 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 NB 7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 19, 20 00

Form No. 1296

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 04-04-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #00-005155-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Butterfly Valve	Allis-Chalmers	67744	N/A	1RW-61	1976	Repaired	No

7. Description of Work Weld repaired wastage on valve body and disc.

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. River water caused wall thinning in the valve body and erosion of the seat contact area on the disc.

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 April 4, 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 3/13/00 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 Cimoch Commissions NB7509 (NI) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 5, 20 00

RTL # A4.414-A

Form No. 1299

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 06-05-2000

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #97-067155-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Butterfly Valve	Allis-Chalmers	N/A	N/A	1RW-183	1976	Repaired	No

7. Description of Work Weld repaired eroded areas on disc.

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 Reports available.

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 [illegible] 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 3/16/00 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 Cenoch Commissions NB7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 7, 20 00

Form No. 1300

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 03-24-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. 00-004417-002 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Pacific Valves	Model #596-7-X	N/A	1RW-483	1976	Replaced	No
"	Vogt	13-215131	N/A	"	1985	Replace-ment	"

7. Description of Work Replaced valve and fittings.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

   Other ☐ Pressure ___ psi Test Temp. _____ °F

9. Remarks No Code Data Reports available. Replaced valve and fittings in accordance with Code Case N-416-1. New valve was manufactured to ANSI B16.34 and MSS-SP61.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng. (Owner or Owner's Designee, Title) Date March 27, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/20/00 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 Amoch (Inspector's Signature) Commissions NB7509(NI) PA2162 (National Board, State, Province, and Endorsements)

Date April 1, 20 00

Form No. 1301

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 03-29-00

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #98-068950-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date "

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code B16.5 19 -- 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)
Globe Valve	Masoneilan	H49378-255-3	N/A	TV-MS-111C	1976	Repaired	No
Plug	"	N/A	"	Ht #A16671-6	---	Replace-ment	"

7. Description of Work Weld repaired steam cut on bonnet, replaced valve plug.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Valve is installed in an ANSI B31.1 1967-S'71 line.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [signature] Senior Eng (Owner or Owner's Designee, Title) Date April 12, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/23/00 to 4/13/00, 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 Cimock (Inspector's Signature) Commissions NB7509(NI) PA 2162 (National Board, State, Province, and Endorsements)

Date april 13, 20 00

Form No. 1302

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211084-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Component Cooling (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8368	N/A	CC-HSS-407A	N/A	Replaced	No
Snubber	ITT Grinell	8175	N/A	CC-HSS-407A	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

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 April 19, 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 12/7/99 to 4/25/00, 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 Commissions NB 7509(N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 25, 20 00

Form No. 1303

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 05-31-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-210923-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Reactor Coolant (Q2)

5. (a) Applicable Construction Code Section III 19 68 Edition, N/A 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	Bergen-Patterson	68284-02	N/A	RC-HC-10B	N/A	Replaced	No
Snubber	Bergen-Patterson	68284-31	N/A	RC-HC-10B	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available. Previous NIS-2 Code Data Report No.888.

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 Senior Eng. Date May 31st, 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 12/7/99 to 6/2/00, 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 2, 20 00

Form No. 1304

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 06-13-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #00-004614-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Recirculation Spray (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8768	N/A	RS-HSS-237	N/A	Replaced	No
Snubber	ITT Grinell	8177	N/A	RS-HSS-1237	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

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 Reports available.

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 13th, 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 3/9/00 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 NB 7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 13, 20 00

Form No. 1305

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 04-04-2000

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #99-211108-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date "

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8335	N/A	SHP-HSS-207	N/A	Replaced	No
Snubber	ITT Grinell	VB-6296	N/A	SHP-HSS-207	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

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 April 4, 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 3/24/00 to 4/6/00, 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 Cimock Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 6, 20 00

Form No. 1306

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 04-19-00

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #00-004613-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date "

4. Identification of System Safety Injection (Q1)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	25915	N/A	SI-HSS-416	N/A	Replaced	No
Snubber	ITT Grinell	25914	N/A	SI-HSS-416	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

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 April 19, 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 3/9/00 to 4/25/00, 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 Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 25, 20 00

Form No. 1307

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211117-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Feedwater (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	8835	N/A	WFPD-HSS-201	N/A	Replaced	No
Snubber	ITT Grinell	25477	N/A	WFPD-HSS-201	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [illegible] Senior Eng. (Owner or Owner's Designee, Title) Date April 19, 20 00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 12/7/99 to 4/25/00, 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 NB 7509 (N,I) PA 2162 (National Board, State, Province, and Endorsements)

Date April 25, 20 00

Form No. 1308

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211118-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Feedwater (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	25474	N/A	WFPD-HSS-209	N/A	Replaced	No
Snubber	ITT Grinell	25468	N/A	WFPD-HSS-209	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available. Previous NIS Data Report No. 171.

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 [illegible] Senior Eng Date April 19, 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 12/7/99 to 4/25/00, 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 Cimock Commissions NB7509(NI) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 25, 20 00

Form No. 1309

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 04-19-00

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #99-211121-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Construction (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Feedwater (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	ITT Grinell	VB-7205B	N/A	WFPD-HSS-212	N/A	Replaced	No
Snubber	ITT Grinell	8178	N/A	WFPD-HSS-212	N/A	Replace-ment	No

7. Description of Work Replaced snubber with spare.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

   Other ☐ Pressure ___ psi Test Temp. _____ °F *N/A

9. Remarks No Code Data Reports available. Previous NIS Data Report No. 173.

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 April 19, 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 12/7/99 to 4/25/00, 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 Amoch Commissions NB 7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date April 25, 20 00

Form No. 1310

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 05-26-2000

76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 2

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

Shippingport, PA 15077 (ADDRESS) — W.O. #96-056300-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

Expiration Date "

4. Identification of System Steam Generator Blowdown (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Borg-Warner	75593	N/A	TV-1BD-101A1	1982	Repaired	Yes
Body Clamp Nuts	Nova Machine	N/A	N/A	Ht #716920	1999	Replace -ment	No

7. Description of Work Replaced bonnet nuts.

8. *Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure _____ psi Test Temp. _____ °F *N/A

9. Remarks Code Data Report attached. Valve was originally purchased as ASME Section III but was installed into an ANSI B31.1 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 May 26th, 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 2/16/00 to 6/1/00, 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 Cimoch Commissions NB7509 (N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 1, 20 00

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 Nuclear Valve Div., Borg Warner, 7500 Tyrone Ave., Van Nuys, Calif.
(Name and Address of N Certificate Holder)
2. Manufactured for Duquesne Light Company, P.O. Box 2325, Boston, Mass. 02107
(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 Gate Valve. Nominal Inlet Size 3 (inch) Outlet Size 3 (inch)

	(a) Model No., Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	600#	75593 thru 75595	N/A	434HAB6-001	2	N/A	1982
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. The valves are designed to handle a fluid media which includes steam, water condensate, borated water, etc., associated with a PWR and BWR. The temperature pressure rating of the media is stated below.
(Brief description of service for which equipment was designed)
6. Design Conditions 1100 (Pressure) 1480 psi 556 (Temperature) 100 °F or Valve Pressure Class N/A (1)
7. Cold Working Pressure 1480 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Bonnet-Code 4C68	SA 216 WCB	Vulcan Steel	
Gate-Code 4F20 4F19, 4C13	SA 216 WCB	Rex Precision	
		DUQUESNE LIGHT CO./STONE & WEBSTER BEAVER VALLEY STATION UNIT 1 P.O. BV-1212 3" GATE VALVE, CS, 600#, AIR OP. NVD OF BORG WARNER, 7500 TYRONE AVE. VAN NUYS, CA 91409	
(b) Forgings			
Body-Code 4H06	SA 105	Compton Forge	
Neck-Code 4A06	SA 105	Jorgensen Steel	
Retainer-Code 3E01 3A99	SA 105	Jorgensen Steel	

(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.

TRANSMITTAL NO. 0 0 0 3 3

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting N/A			
(d) Other Parts N/A			

9. Hydrostatic test 2250 psi. Disk Differential test pressure 1628 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. I., Edition 1980.
Addenda Summer '80 (Date), Code Case No. N/A, Date 2/16/82
Signed Nuclear Valve Div., Borg Warner (N Certificate Holder) by [signature]
Our ASME Certificate of Authorization No. N-1254 to use the N (N) symbol expires 10/27/84 (Date).

CERTIFICATION OF DESIGN

Design information on file at NVD of Borg Warner, 7500 Tyrone Ave., Van Nuys, Ca. 91409
Stress analysis report (Class 1 only) on file at N/A

Design specifications certified by (1) Walter L. Ramsden
PE State PA Reg. No. 28975
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 California and employed by Lumbermen's Mutual Casualty of Long Grove, Illinois have inspected the pump, or valve, described in this Data Report on 2/16 19 82, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 2/16 19 82.

[signature] (Inspector) Commissions 1275 PA, NB 2 PA (Nat'l Bd., State, Prov. and No.)

Form No. 1311

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 05-03-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #00-007743-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Component Cooling (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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)
Spring Hanger	Grinell	N/A	N/A	CC-SH-220A	1976	Replaced	No
Spring Hanger	Grinell	Ht #71606-PWR	N/A	CC-SH-220A	2000	Replace-ment	No

7. Description of Work Replace spring hanger with spare.

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 Reports available.

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 Senior Eng Date May 03, 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 3/31/00 to 5/4/00, 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 Commissions NB7509(NJ) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 4, 20 00

Form No. 1312

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 05-26-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #96-056299-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System Steam Generator Blowdown (Q2)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Borg-Warner	75596	N/A	TV-1BD-101B2	1982	Repaired	Yes
Body Clamp Nuts	Nova Machine	N/A	N/A	Ht #716920	1999	Replace -ment	No

7. Description of Work Replaced bonnet nuts.

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

9. Remarks No Code Data Report available. Valve was originally purchased as ASME Section III but was installed into an ANSI B31.1 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 [illegible] Senior Eng. Date May 26th, 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 2/16/00 to 6/1/00, 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 Cimoch Commissions NB7509(N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date June 1, 20 00

Form No. 1314

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 4-6-00

76 South Main Street-Akron, OH 44308 (Address) — Sheet 1 of 2

2. Plant Beaver Valley Power Station (Name) — Unit No. 1

Shippingport, PA 15077 (Address) — DCP-2400 Repair Organization P.O. No., Job No., etc.

3. Work Performed By BVPS-Construction (Name) — Type Code Symbol Stamp N/A

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

Expiration Date N/A

4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, 71 Addenda, N/A Code Case
(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)
STRAINER	YARWAY Corporation	N/A	N/A	1RW-YS-40 (3/4" STRAINER Model # 931SW)	1986	Replaced	No
STRAINER	Mueller Steam Speciality	N/A	N/A	1RW-YS-40 (2" STRAINER Model # 582-SS)	2000	Replacement	No

7. Description of Work Piping modification to remove existing ¾" Strainer with new 2" Strainer

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

9. Remarks: DCP-2400 scope included upgrading safety-related motor cooling and seal water supplies to River Water Pumps (1WR-P-1A, 1B & 1C). This consisted of replacing existing ¾" Wye Strainers (1RW-YS-40, 41 & 42) with 2" strainers and install a parallel flow path through new Separators (1RW-FL-1A, 1B & 1C) with inlet and outlet isolation valves, purge line blowdown valves and Associated piping and fittings. Only component installed which falls under ASME XI jurisdiction are the new 2" Wye Strainers (1RW-YS-40, 41 & 42). Replacement of 1RW-YS-40 was performed in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed: Sanjib K. Mukherjee, Senior Engineer (Owner or Owner's Designee, Title) Date: 4-6-00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector 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 3/22/00 to 6/1/00, 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 Cimoch (Inspector's Signature) Commissions: NB7589 (N,I) PA2162 (National Board, State, Province, and Endorsements)

Date: June 1, 2000

Form No. 1315

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 4-6-00

76 South Main Street-Akron, OH 44308 (Address) — Sheet 1 of 2

2. Plant Beaver Valley Power Station (Name) — Unit No. 1

Shippingport, PA 15077 (Address) — DCP-2400 Repair Organization P.O. No., Job No., etc.

3. Work Performed By BVPS-Construction (Name) — Type Code Symbol Stamp N/A

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

Expiration Date N/A

4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, 71 Addenda, N/A Code Case
(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)
STRAINER	YARWAY Corporation	N/A	N/A	1RW-YS-41 (3/4"STRAINER Model # 931SW)	1986	Replaced	No
STRAINER	Mueller Steam Speciality			1RW-YS-41 (3/4" STRAINER Model # 582-SS)	2000	Replacement	No

7. Description of Work Piping modification to remove existing ¾" Strainer with new 2" Strainer

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

9. Remarks: DCP-2400 scope included upgrading safety-related motor cooling and seal water supplies to River Water Pumps (1WR-P-1A, 1B & 1C). This consisted of replacing existing ¾" Wye Strainers (1RW-YS-40, 41 & 42) with 2" strainers and install a parallel flow path through new Separators (1RW-FL-1A, 1B & 1C) with inlet and outlet isola. valves, purge line blowdown valves and Associated piping and fittings. Only component installed which falls under ASME XI jurisdiction are the new 2" Wye Strainers (1RW-YS-40, 41 & 42). Replacement of 1RW-YS-41 was performed in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Sanjib K. Mukherjee, Senior Engineer (Owner or Owner's Designee, Title) Date 4-6-00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/22/00 to 6/1/00, 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 Cimoch (Inspector's Signature) Commissions NB 7509 (N,I) PA2162 (National Board, State, Province, and Endorsements)

Date June 1, 2000

Form No. 1316

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 4-6-00

76 South Main Street-Akron, OH 44308 (Address) — Sheet 1 of 2

2. Plant Beaver Valley Power Station (Name) — Unit No. 1

Shippingport, PA 15077 (Address) — DCP-2400 Repair Organization P.O. No., Job No., etc.

3. Work Performed By BVPS-Construction (Name) — Type Code Symbol Stamp N/A

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

Expiration Date N/A

4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, 71 Addenda, N/A Code Case
(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)
STRAINER	YARWAY Corporation	N/A	N/A	1RW-YS-42 (3/4" STRAINER Model # 931SW)	1986	Replaced	No
STRAINER	Mueller Steam Speciality			1RW-YS-42 (2" STRAINER Model # 582-SS)	2000	Replacement	No

7. Description of Work Piping modification to remove existing ¾" Strainer with new 2" Strainer

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ Pressure 130 psi Test Temp. Ambient °F

9. Remarks: DCP-2400 scope included upgrading safety-related motor cooling and seal water supplies to River Water Pumps (1WR-P-1A, 1B & 1C). This consisted of replacing existing ¾" Wye Strainers (1RW-YS-40, 41 & 42) with 2" strainers and install a parallel flow path through new Separators (1RW-FL-1A, 1B & 1C) with inlet and outlet isolation valves, purge line blowdown valves and Associated piping and fittings. Only component installed which falls under ASME XI jurisdiction are the new 2" Wye Strainers (1RW-YS-40, 41 & 42). Replacement of 1RW-YS-42 was performed by BVPS Construction..

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Sanjib K. Mukherjee, Senior Engineer (Owner or Owner's Designee, Title) Date 4-6-00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/22/00 to 6/1/00, 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 Cimoch (Inspector's Signature) Commissions NB 7509(NI) PA 2162 (National Board, State, Province, and Endorsements)

Date June 1, 2000

Form No. 1319

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 06-08-2000

   76 South Main Street – Akron, OH 44308 (ADDRESS) — Sheet 1 of 1

2. Plant Beaver Valley Power Station (NAME) — Unit No. 1

   Shippingport, PA 15077 (ADDRESS) — W.O. #00-000186-000 (REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.)

3. Work Performed By BVPS - Maintenance (NAME) — Type Code Symbol Stamp Not Applicable

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

   Expiration Date "

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 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	Kerotest	JAW21-19	N/A	1RW-76	1987	Repaired	No
Disc Assembly	Kerotest	AMX6-4	N/A	Ht #89034 Code AMX	1988	Replace-ment	No

7. Description of Work Replaced disc assembly with like kind.

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 Reports available. Previous NIS-2 Data Report No.: 1177. Valve was manufactured to ANSI B16.34.

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 14th, 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 2/27/00 to 6/15/00, 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 June 15, 20 00

Form No. 1320

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 6-23-00

76 South Main Street-Akron, OH 44308 (Address) — Sheet 1 of 2

2. Plant Beaver Valley Power Station (Name) — Unit No. 1

Shippingport, PA 15077 (Address) — DCP-2375 Repair Organization P.O. No., Job No., etc.

3. Work Performed By BVPS-Construction (Name) — Type Code Symbol Stamp N/A

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

Expiration Date N/A

4. Identification of System Component Cooling Water

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, 71 Addenda, N-416-1 Code Case
(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)
EXPANSION JOINT	Pathway Bellows Inc.	N/A	N/A	MEJ-1CC-2	1971	Replaced	No
EXPANSION JOINT	Senior Flexonics, Inc.	N/A	N/A	MEJ-1CC-2	2000	Replacement	No
EXPANSION JOINT	Pathway Bellows Inc.	N/A	N/A	MEJ-1CC-12S	1971	Replaced	No
EXPANSION JOINT	Senior Flexonics, Inc.	N/A	N/A	MEJ-1CC-12S	2000	Replacement	No

7. Description of Work Piping modification to replace expansion joints MEJ-1CC-2 and MEJ-1CC-12S with new expansion joints. Also add three 2" drain valves (1CCR-904, 905 & 906) and one ¾" vent valve (1CCR-907).

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure 120* psi Test Temp. 60* °F

16.2** 60.6**

Note : * For MEJ-CC-12S and ** For MEJ-CC-2

9. Remarks: DCP-2375 scope included replacement of two existing Metal Expansion Joints (MEJ-1CC-2 and 12S) with new expansion joints. These expansion joints are welded in place. This design change also installed three 2" in Valves and one ¾" vent valve. This design change is limited to the CCR system. 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 new pipe welds using 1992 ASME Section XI Code.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Sanjib K. Mukherjee, Senior Engineer (Owner or Owner's Designee, Title) Date 6-23-00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectc 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 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.

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

Date June 27, 2000

Form No. 1321

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 6-23-00

76 South Main Street-Akron, OH 44308 (Address) — Sheet 1 of 2

2. Plant Beaver Valley Power Station (Name) — Unit No. 1

Shippingport, PA 15077 (Address) — DCP-2375 Repair Organization P.O. No., Job No., etc.

3. Work Performed By BVPS-Construction (Name) — Type Code Symbol Stamp N/A

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

Expiration Date N/A

4. Identification of System Component Cooling Water

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, 71 Addenda, N-416-1 Code Case
(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)
2" Ball Valve (Anchor Darling)	Flowserve FCD Corporation	E274A1-3	N/A	1CCR-904	2000	Replacement	Yes
2" Ball Valve (Anchor Darling)	Flowserve FCD Corporation	E274A1-1	N/A	1CCR-905	2000	Replacement	Yes
2" Ball Valve (Anchor Darling)	Flowserve FCD Corporation	E274A1-2	N/A	1CCR-906	2000	Replacement	Yes

7. Description of Work: Piping modification to replace expansion joints MEJ-1CC-2 and MEJ-1CC-12S with new expansion joints. Also add three 2" drain valves (1CCR-904, 905 & 906) and one ¾" vent valve (1CCR-907).

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒

Other ☐ Pressure *120 psi Test Temp. *60 °F

**16.2 **60.6

Note : * For 1CCR –904 & 1CCR-906 and ** For 1CCR-905

9. Remarks: DCP-2375 scope included replacement of two existing Metal Expansion Joints (MEJ-1CC-2 and 12S) with new expansion joints. These expansion joints are welded in place. This design change also installed three 2" Valves and one ¾" vent valve. This design change is limited to the CCR system. 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 new pipe welds using 1992 ASME Section XI Code. ASME Section III valves were installed into an ANSI B31.1 System (Code Data Reports are not available.)

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Sanjib K. Mukherjee, Senior Engineer (Owner or Owner's Designee, Title) Date 6-23-00

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspecto 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 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.

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

Date June 27, 2000