

Lew W. Myers
Senior Vice President724-682-5234
Fax: 724-643-8069January 2, 2002
L-01-160U. S. Nuclear Regulatory Commission ✓
Attention: Document Control Desk
Washington, DC 20555-0001**Subject: Beaver Valley Power Station, Unit No. 1**
BV-1 Docket No. 50-334, License No. DPR-66
Fourteenth 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 fourteenth 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 October 6, 2001.

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

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

Sincerely,

Robert E. Donnell

Lew W. Myers

LWR

Enclosure

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

A047

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

Outage 14, Year 2001

Inspection Term: 8/1/2001 to 10/6/2001

Issue date: 12-21-01

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: 12/21/01

Reviewed by:


Supervisor, ISI/IST/Maintenance Rule


Date: 12/21/01

Reviewed by:


ANII

Date: 12/21/01

Approved by:


Manager Engineering Technical Support

Date: 12/21/01

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

1. Owner FirstEnergy Nuclear Operating Company, Route 168, Shippingport, PA 15077
(Name and Address of Owner)
2. Plant Beaver Valley Power Station, Route 168, Shippingport, PA 15077
(Name and Address of Plant)
3. Plant Unit 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	105642B	21011
Pressurizer	Westinghouse	1311	434676V	68-50
RH-E-1A	Joseph Oat	1832-1	434682V	368
Boron Injection Tank	Struthers Wells	SI-TK-2	434783V	13314
CH-P-1A	Pacific Pumps	BN52799	N/A	N/A
RS-P-2A	Bingham Willamette	290596	N/A	N/A
MOV-RH-720A	Anchor/Darling	S350-WDD(Model #)	N/A	N/A
CC-E-1A	Henry Vogt Machine Co.	M75/150-1-1 (Model #)	434589V	11792
Boric Acid Transfer Tank 'A'	Joseph Oat	CH-TK-1A	N/A	N/A
Neutron Shield Tank Cooler	Atlas Industrial Mfg Co.	NS-E-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 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

FORM NIS-1 (Back)

8. Examination Dates 8/1/2001 to 10/6/2001
9. Inspection Period Identification: 8/1/2001 to 12/2/2004
10. Inspection Interval Identification: 9/21/1997 to 3/31/2008
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan: 1TYP-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. See Appendix I (Code Exams). This was the first outage of the 2nd Period of the 3rd Interval at BV-1. There are two remaining outages scheduled for the current 40-month Period.
14. Abstract of Results of Examination and Tests. See text of summary report.
15. Abstract of Corrective Measures. See Appendix III, 1R14 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 12/21/01 Signed FirstEnergy Nuclear Operating Co. By [Signature]
 (Owner)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania And employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 8/1/2001 to 10/6/2001 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 Dec 21, 2001

OUTAGE SUMMARY

During the Fourteenth Refueling Outage (1R14) 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 first outage in the second period of the third ten year interval. The examinations were based on ASME Section XI, 1989 Edition.

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

1. Eighty-one (81) Class 1 exams were performed and are divided as follows:

a. Welds (vessels, piping, and attachments)

Ultrasonic Exams	- 1
Penetrant Exams	- 3
Visual Exams	- 1

b. Class 1 bolting

Ultrasonic Exams	- 9
Mag Particle Exams	- 9
Visual Exams	- 27

c. Visual Examinations (VT-3)

Pipe Supports	- 25
Vessel Supports	- 6

2. Forty-six (46) Class 2 exams were performed and are divided as follows:

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

Penetrant Exams	- 5
Visual Exams	- 2

b. Bolting (UT)

- 5

c. Supports, visual exams

- 34

3. Fifty-four (54) visual exams of Class 3 supports were performed and are divided as follows:

a. Supports, visual exams

- 39

b. Attachments, visual exams

- 15

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 II lists additional and successive examinations that were required during 1R14. Appendix III is the 1R14 Deficiency Report.

IWL Containment Examination

The BV-1 Containment concrete was examined prior to 1R14 in accordance with 10CFR50.55a(b)(2)(viii). The examination found no conditions that affected either the containment structural integrity or leak tightness. The examinations required by the NRC rulemaking regarding IWE and IWL have been completed at both BV1 and BV2 prior to the due date of 9/9/01.

Pressure Testing

The Class 1 piping System Leakage Test was performed prior to plant start-up from 1R14. As of August 1, 2001, the 40-month pressure testing requirements for the first period of the third ten-year interval were complete for all systems. Additionally, all Class 1 bolted connections were examined during each refueling outage of the first 40-month period, and all Class 2 bolted connections were examined once within the first 40-month period.

Deficiency Resolution

There was one recorded deficiency in 1R14. 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 submitted to regulatory authorities in accordance with Technical Specification requirements.

NIS-2 Forms

Included as Appendix IV 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
1R14 Completed Code Exams

SUMMARY	COMPID	CAT	ITEM NO	DESCRIPTION	ISO NO	METHOD	COMMENTS
193100	RC-TK-1-RADIUS-6	B-D	B3.120	NOZZLE INSIDE RADIUS	E-001P-R3	VT-2	VT-2 based on RR 1-TYP-B3.120-1
172000	RC-R-1-NUT-27	B-G-1	B6.10	BOLTING	E-001L	VT-1	
172100	RC-R-1-NUT-28	B-G-1	B6.10	BOLTING	E-001L	VT-1	
172200	RC-R-1-NUT-29	B-G-1	B6.10	BOLTING	E-001L	VT-1	
172400	RC-R-1-NUT-31	B-G-1	B6.10	BOLTING	E-001L	VT-1	
172500	RC-R-1-NUT-32	B-G-1	B6.10	BOLTING	E-001L	VT-1	
172600	RC-R-1-NUT-33	B-G-1	B6.10	BOLTING	E-001L	VT-1	
172700	RC-R-1-NUT-34	B-G-1	B6.10	BOLTING	E-001L	VT-1	
172800	RC-R-1-NUT-35	B-G-1	B6.10	BOLTING	E-001L	VT-1	
173000	RC-R-1-NUT-37	B-G-1	B6.10	BOLTING	E-001L	VT-1	
166200	RC-R-1-STUD-27	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
166300	RC-R-1-STUD-28	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
166400	RC-R-1-STUD-29	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
166600	RC-R-1-STUD-31	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
166700	RC-R-1-STUD-32	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
166800	RC-R-1-STUD-33	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
166900	RC-R-1-STUD-34	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
167000	RC-R-1-STUD-35	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
167200	RC-R-1-STUD-37	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
177800	RC-R-1-WASHER-27	B-G-1	B6.50	BOLTING	E-001L	VT-1	
177900	RC-R-1-WASHER-28	B-G-1	B6.50	BOLTING	E-001L	VT-1	
178000	RC-R-1-WASHER-29	B-G-1	B6.50	BOLTING	E-001L	VT-1	
178200	RC-R-1-WASHER-31	B-G-1	B6.50	BOLTING	E-001L	VT-1	
178300	RC-R-1-WASHER-32	B-G-1	B6.50	BOLTING	E-001L	VT-1	
178400	RC-R-1-WASHER-33	B-G-1	B6.50	BOLTING	E-001L	VT-1	
178500	RC-R-1-WASHER-34	B-G-1	B6.50	BOLTING	E-001L	VT-1	
178600	RC-R-1-WASHER-35	B-G-1	B6.50	BOLTING	E-001L	VT-1	
178800	RC-R-1-WASHER-37	B-G-1	B6.50	BOLTING	E-001L	VT-1	
193200	RC-TK-1-B-1 TO 16	B-G-2	B7.20	BOLTING	E-001P-R3	VT-1	
243100	FLANGE (18)-B-1 TO 12	B-G-2	B7.50	BOLTING	0350B-R3	VT-1	
251500	ORIFICE (10)-B-1 TO 8	B-G-2	B7.50	BOLTING	0354B-R1	VT-1	
363100	ORIFICE (9)-B-1 TO 4	B-G-2	B7.50	BOLTING	0247A-R3	VT-1	
279400	MOV-RH-720A-B-1 TO 16	B-G-2	B7.70	VALVE BOLTING	0107A-R4	VT-1	
162800	CONOSEAL BOLT ASSEMBLY 47	B-G-2	B7.80	BOLTS AND NUTS	E-001J-R3	VT-1	
162900	CONOSEAL BOLT ASSEMBLY 49	B-G-2	B7.80	BOLTS AND NUTS	E-001J-R3	VT-1	
163000	CONOSEAL BOLT ASSEMBLY 51	B-G-2	B7.80	BOLTS AND NUTS	E-001J-R3	VT-1	

APPENDIX I
1R14 Completed Code Exams

SUMMARY	COMPID	CAT	ITEM NO	DESCRIPTION	ISO NO	METHOD	COMMENTS
163100	CONOSEAL BOLT ASSEMBLY 53	B-G-2	B7.80	BOLTS AND NUTS	E-001J-R3	VT-1	
270800	DLW-LOOP3-7-S-02	B-J	B9.11	BUTT WELD	L-003B-R2	UT	Successive exam
025300	CH-140-7-F-11	B-J	B9.40	SOCKET WELD	0243A-R2	PT	Extra exam due to previous indication
025400	CH-140-8-S-07	B-J	B9.40	SOCKET WELD	0243A-R2	PT	Extra exam due to previous indication
058700	DG-56-3-F-03	B-J	B9.40	SOCKET WELD	0357A-R4	PT	Extra exam due to previous indication
721600	RH-E-1A-N-3	C-B	C2.33	NOZZLE-TO-VESSEL WELD	E-004A-R3	VT-2	
721700	RH-E-1A-N-4	C-B	C2.33	NOZZLE-TO-VESSEL WELD	E-004A-R3	VT-2	
407500	SI-86-2-A-01	C-C	C3.20	WELDED ATTACHMENT	0194A-R3	PT	
654000	SI-73-2-A-02	C-C	C3.20	WELDED ATTACHMENT	0375D-R3	PT	
800600	RS-P-2A-A-7	C-C	C3.30	WELDED ATTACHMENT	E-007C-R3	PT	
589500	SI-TK-2-STUD-6	C-D	C4.10	BOLTING	E-005B-R5	UT	
589600	SI-TK-2-STUD-7	C-D	C4.10	BOLTING	E-005B-R5	UT	
589700	SI-TK-2-STUD-8	C-D	C4.10	BOLTING	E-005B-R5	UT	
589800	SI-TK-2-STUD-9	C-D	C4.10	BOLTING	E-005B-R5	UT	
589900	SI-TK-2-STUD-10	C-D	C4.10	BOLTING	E-005B-R5	UT	
800200	RS-P-2A-1	C-G	C6.10	PUMP CASING WELD	E-007C-R3	PT	
800400	RS-P-2A-3	C-G	C6.10	PUMP CASING WELD	E-007C-R3	PT	
855200	CC-E-1A-A-1	D-A	D1.10	WELDED PAD FOR WS-1	E-010A-R1	VT-3	
855300	CC-E-1A-A-2	D-A	D1.10	WELDED PAD FOR WS-2	E-010A-R1	VT-3	
856410	NS-E-1-A-01	D-A	D1.10	WELDED ATTACHMENT	0211A-R2	VT-3	
856500	NS-E-1-A-02	D-A	D1.10	WELDED ATTACHMENT	0211A-R2	VT-3	
857200	CH-TK-1A-A-1	D-A	D1.10	WELDED ATTACHMENT WS-1	E-010A-R1	VT-3	
857300	CH-TK-1A-A-2	D-A	D1.10	WELDED ATTACHMENT WS-2	E-010A-R1	VT-3	
857400	CH-TK-1A-A-3	D-A	D1.10	WELDED ATTACHMENT WS-3	E-010A-R1	VT-3	
857500	CH-TK-1A-A-4	D-A	D1.10	WELDED ATTACHMENT WS-4	E-010A-R1	VT-3	
820500	CC-51-6-A-01	D-A	D1.20	WELDED ATTACHMENT	0055A-R1	VT-3	
853750	CC-202-1-A-03 TO 06	D-A	D1.20	WELDED ATTACHMENT	0286A-R5	VT-3	
862700	FC-9-2-A-06	D-A	D1.20	WELDED ATTACHMENT	0070A-R1	VT-3	
863500	FC-9-2K-A-01 TO 04	D-A	D1.20	WELDED ATTACHMENT	0070B-R2	VT-3	
872600	WR-19-2-A-16 TO 17	D-A	D1.20	WELDED ATTACHMENT	0068A-R2	VT-3	
874500	WR-19-6-A-05	D-A	D1.20	WELDED ATTACHMENT	0068A-R2	VT-3	
882200	WR-20-10-A-01 TO 02	D-A	D1.20	WELDED ATTACHMENT	0128A-R2	VT-3	
008400	CH-140-A-PS-24	F-A	F1.10A	SUPPORT	0191A-R5	VT-3	
097700	RC-98-H-38	F-A	F1.10A	VALVE SUPPORT	0350B-R3	VT-3	
286700	SI-121-DS-1	F-A	F1.10D	SUPPORT	0106A-R5	VT-3	
287600	SI-101-DS-1	F-A	F1.10D	SUPPORT	0107A-R4	VT-3	

APPENDIX I
1R14 Completed Code Exams

SUMMARY	COMPID	CAT	ITEM NO	DESCRIPTION	ISO NO	METHOD	COMMENTS
289310	SI-101-LST-110	F-A	F1.10L	SUPPORT	0107A-R4	VT-3	
007400	CH-140-PS-20	F-A	F1.10R	SUPPORT	0191A-R5	VT-3	
008900	CH-140-PS-27	F-A	F1.10R	SUPPORT	0191A-R5	VT-3	
010000	CH-142-PS-18	F-A	F1.10R	SUPPORT	0191A-R5	VT-3	
010400	CH-142-PS-16	F-A	F1.10R	SUPPORT	0191A-R5	VT-3	
012400	CH-142-PS-10	F-A	F1.10R	SUPPORT	0191A-R5	VT-3	
012900	CH-142-PS-7	F-A	F1.10R	SUPPORT	0191A-R5	VT-3	
042300	CH-126-R-213	F-A	F1.10R	SUPPORT	0253A-R4	VT-3	
062600	DG-52-PS-3	F-A	F1.10R	SUPPORT	0358A-R4	VT-3	
065100	DG-47-PS-4	F-A	F1.10R	SUPPORT	0359A-R4	VT-3	
087700	RC-72-R-10	F-A	F1.10R	SUPPORT	0348D-R1	VT-3	
141800	RC-75-PS-3	F-A	F1.10R	SUPPORT	0379A-R1	VT-3	
285400	SI-121-R-7	F-A	F1.10R	SUPPORT	0106A-R5	VT-3	
332900	SI-22-R-PS-18	F-A	F1.10R	SUPPORT	0376A-R1	VT-3	
333400	SI-22-R-PS-15	F-A	F1.10R	SUPPORT	0376A-R1	VT-3	
334500	SI-22-R-PS-9	F-A	F1.10R	SUPPORT	0376A-R1	VT-3	
335700	SI-22-R-PS-2	F-A	F1.10R	SUPPORT	0376A-R1	VT-3	
059000	DG-56-PS-1	F-A	F1.10S	SUPPORT	0357A-R4	VT-3	
097000	RC-98-SH-51	F-A	F1.10S	SUPPORT	0350B-R3	VT-3	
146900	RC-39-SH-5	F-A	F1.10S	SUPPORT	0999C-R3	VT-3	
289600	SI-101-SH-11	F-A	F1.10S	SUPPORT	0107A-R4	VT-3	
407600	SI-86-PS-01	F-A	F1.20A	SUPPORT	0194A-R3	VT-3	
452800	CH-81-A-60	F-A	F1.20A	SUPPORT	0267B-R4	VT-3	
617600	SI-2-A-11	F-A	F1.20A	SUPPORT	0083C-R5	VT-3	
654100	SI-73-A-305	F-A	F1.20A	SUPPORT	0375D-R3	VT-3	
698400	RH-12-DS-5	F-A	F1.20D	SUPPORT	0074C-R3	VT-3	
392000	SI-81-R-313	F-A	F1.20R	SUPPORT	0192A-R6	VT-3	
392700	SI-81-R-89A	F-A	F1.20R	SUPPORT	0192A-R6	VT-3	
395200	SI-140-R-315	F-A	F1.20R	SUPPORT	0192A-R6	VT-3	
398100	SI-82-PS-R-10	F-A	F1.20R	SUPPORT	0192A-R6	VT-3	
399400	SI-83-PS-07	F-A	F1.20R	SUPPORT	0192A-R6	VT-3	
399700	SI-83-PS-06	F-A	F1.20R	SUPPORT	0192A-R6	VT-3	
406500	SI-85-PS-R-18	F-A	F1.20R	SUPPORT	0193A-R4	VT-3	
408800	SI-87-PS-02	F-A	F1.20R	SUPPORT	0194A-R3	VT-3	
410600	SI-87-PS-09	F-A	F1.20R	SUPPORT	0194A-R3	VT-3	
412200	SI-87-PS-16	F-A	F1.20R	SUPPORT	0194A-R3	VT-3	

APPENDIX I
1R14 Completed Code Exams

SUMMARY	COMPID	CAT	ITEM NO	DESCRIPTION	ISO NO	METHOD	COMMENTS
479500	CH-83-PS-R-1	F-A	F1.20R	SUPPORT	0269A-R1	VT-3	
616700	SI-2-R-17	F-A	F1.20R	SUPPORT	0083C-R5	VT-3	
644200	SI-20-RH-2D-2	F-A	F1.20R	SUPPORT	0222A-R3	VT-3	
644500	SI-20-R-4D-2	F-A	F1.20R	SUPPORT	0222A-R3	VT-3	
651000	SI-72-R-306A	F-A	F1.20R	SUPPORT	0375D-R3	VT-3	
690700	RH-18-R-33	F-A	F1.20R	SUPPORT	0074B-R3	VT-3	
764300	RS-26-R-11	F-A	F1.20R	SUPPORT	0080B-R5	VT-3	
899020	QS-2-R-46	F-A	F1.20R	SUPPORT	0111C-R3	VT-3	
909850	QS-69-PSR-254	F-A	F1.20R	SUPPORT	0113B-R3	VT-3	
912790	QS-3-R-21	F-A	F1.20R	SUPPORT	0113B-R3	VT-3	Additional scope due to RH22 unsat
913150	QS-3-RH-23B	F-A	F1.20R	SUPPORT	0113B-R3	VT-3	Additional scope due to RH22 unsat
622000	SI-28-SH-66	F-A	F1.20S	SUPPORT	0109A-R5	VT-3	
648100	SI-30-SH-57A	F-A	F1.20S	SUPPORT	0223A-R4	VT-3	
701300	RH-8-SH-13	F-A	F1.20S	SUPPORT	0074C-R3	VT-3	
903995	QS-4-SH-11	F-A	F1.20S	SUPPORT	0111A-R9	VT-3	Additional scope due to RH22 unsat
912850	QS-3-RH-22	F-A	F1.20S	SUPPORT	0113B-R3	VT-3	
901270	QS-4-PSST-504	F-A	F1.20T	SUPPORT	0111C-R3	VT-3	
806100	WAPD-25-PSA001	F-A	F1.30A	SUPPORT	0775A-R2	VT-3	
853760	CC-202-A-15C-1	F-A	F1.30A	SUPPORT	0286A-R5	VT-3	
862100	WD-25-A-38	F-A	F1.30A	SUPPORT	0064A-R1	VT-3	
824100	CC-112-RH-25	F-A	F1.30H	SUPPORT	0131B-R1	VT-3	
804200	WAPD-1-R-19	F-A	F1.30R	SUPPORT	0065A-R2	VT-3	
805800	WAPD-25-PSR003	F-A	F1.30R	SUPPORT	0775A-R2	VT-3	
809700	CC-22-R-18	F-A	F1.30R	SUPPORT	0049A-R1	VT-3	
812100	CC-106-R-15	F-A	F1.30R	SUPPORT	0049B-R2	VT-3	
812500	CC-106-R-36	F-A	F1.30R	SUPPORT	0049B-R2	VT-3	
817600	CC-2-R-64	F-A	F1.30R	SUPPORT	0051B-R1	VT-3	
820600	CC-53-R-141	F-A	F1.30R	SUPPORT	0055A-R1	VT-3	
822300	CC-465-R-80	F-A	F1.30R	SUPPORT	0057A-R1	VT-3	
823800	CC-321-R-139	F-A	F1.30R	SUPPORT	0131A-R2	VT-3	
828500	CC-116-R-33C-1	F-A	F1.30R	SUPPORT	0164A-R3	VT-3	
831400	CC-248-R-16B-1	F-A	F1.30R	SUPPORT	0165A-R3	VT-3	
832800	CC-245-R-20D-2	F-A	F1.30R	SUPPORT	0166A-R3	VT-3	
841200	CC-114-R-15D-3	F-A	F1.30R	SUPPORT	0179A-R2	VT-3	
847261	CC-178-R-296	F-A	F1.30R	SUPPORT	0183A-R4	VT-3	
860900	WD-23-R-28	F-A	F1.30R	SUPPORT	0063A-R1	VT-3	

APPENDIX I
1R14 Completed Code Exams

SUMMARY	COMPID	CAT	ITEM NO	DESCRIPTION	ISO NO	METHOD	COMMENTS
862800	FC-9-R-20	F-A	F1.30R	SUPPORT	0070A-R1	VT-3	
863600	FC-9-R-16	F-A	F1.30R	SUPPORT	0070B-R2	VT-3	
869500	WR-28-R-81	F-A	F1.30R	SUPPORT	0066A-R6	VT-3	
871000	WR-19-R-21	F-A	F1.30R	SUPPORT	0067A-R3	VT-3	
872700	WR-19-R-49	F-A	F1.30R	SUPPORT	0068A-R2	VT-3	
877600	WR-17-R-17	F-A	F1.30R	SUPPORT	0069A-R3	VT-3	
882300	WR-20-R-57	F-A	F1.30R	SUPPORT	0128A-R2	VT-3	
890500	WR-119-R-152	F-A	F1.30R	SUPPORT	0229A-R2	VT-3	
806400	WAPD-25-PSSH-035	F-A	F1.30S	SUPPORT	0775A-R2	VT-3	
874600	WR-19-SH-23	F-A	F1.30S	SUPPORT	0068A-R2	VT-3	
867900	FC-31-PSST-206	F-A	F1.30T	SUPPORT	0150A-R2	VT-3	
859600	WD-22-VS-15A	F-A	F1.30V	SUPPORT	0063A-R1	VT-3	
868100	FC-31-VS-206A	F-A	F1.30V	SUPPORT	0150A-R2	VT-3	
151600	RC-R-1-CRDM-WS-E	F-A	F1.40E	CRDM SEISMIC SUPPORT "E"	E-001A-R3	VT-3	
151700	RC-R-1-CRDM-WS-A	F-A	F1.40E	CRDM SEISMIC SUPPORT "A"	E-001A-R3	VT-3	
151800	RC-R-1-CRDM-WS-B	F-A	F1.40E	CRDM SEISMIC SUPPORT "B"	E-001A-R3	VT-3	
151900	RC-R-1-CRDM-WS-F	F-A	F1.40E	CRDM SEISMIC SUPPORT "F"	E-001A-R3	VT-3	
152000	RC-R-1-CRDM-WS-C	F-A	F1.40E	CRDM SEISMIC SUPPORT "C"	E-001A-R3	VT-3	
152100	RC-R-1-CRDM-WS-D	F-A	F1.40E	CRDM SEISMIC SUPPORT "D"	E-001A-R3	VT-3	
855000	CC-E-1A-WS-1	F-A	F1.40E	SUPPORT RING	E-010A-R1	VT-3	
855100	CC-E-1A-WS-2	F-A	F1.40E	SUPPORT RING	E-010A-R1	VT-3	
856400	NS-E-1-WS-1	F-A	F1.40E	NEUTRON SHIELD CLR SUPPORT	0211A-R2	VT-3	
856600	CH-TK-1A-WS-1	F-A	F1.40E	FOOT SUPPORT NO. 1	E-010A-R1	VT-3	
856700	CH-TK-1A-WS-2	F-A	F1.40E	FOOT SUPPORT NO. 2	E-010A-R1	VT-3	
856800	CH-TK-1A-WS-3	F-A	F1.40E	FOOT SUPPORT NO. 3	E-010A-R1	VT-3	
856900	CH-TK-1A-WS-4	F-A	F1.40E	FOOT SUPPORT NO. 4	E-010A-R1	VT-3	
912820	QS-3-17-HSS-205A	N/A	N/A	SNUBBER	0113B-R3	VT-3	Additional scope due to RH22 unsat
912830	QS-3-17-HSS-205B	N/A	N/A	SNUBBER	0113B-R3	VT-3	Additional scope due to RH22 unsat

APPENDIX II

ADDITIONAL or SUCCESSIVE EXAMINATIONS

APPENDIX II
Additional and Successive Examinations

SUMMARY	COMPONENT ID	COMPONENT DESCRIPTION	ITEM	RESULT	REASON FOR EXAMINATION
270800	DLW-LOOP3-7-S-02	BUTT WELD	B9.11	SAT	Successive exam
903995	QS-4-SH-11	SUPPORT	F1.20S	SAT	Additional exam, RH22 unsat
912790	QS-3-R-21	SUPPORT	F1.20R	SAT	Additional exam, RH22 unsat
912820	QS-3-17-HSS-205A	SNUBBER	N/A	SAT	Additional exam, RH22 unsat
912830	QS-3-17-HSS-205B	SNUBBER	N/A	SAT	Additional exam, RH22 unsat
913150	QS-3-RH-23B	SUPPORT	F1.20R	SAT	Additional exam, RH22 unsat

APPENDIX III

DEFICIENCY REPORT SUMMARY

APPENDIX III
1R14 DEFICIENCY REPORT

Summary	Component ID	Description	CR No.	Description	Work Order	Resolution	Closing Report
912850	QS-3-RH-22	SUPPORT	01-6479	Out of tolerance spring setting	01-020105	Reset spring can	VT-01-199

APPENDIX IV

REPAIR/REPLACEMENT ABSTRACT

AND

NIS-2 FORMS

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>MARK NUMBER</u>	<u>WORK ORDER NO.</u>	<u>COMMENTS</u>
962	1CH-26	97-061665-000	Replacement
1239	REJ-1RW-18A	99-215800-000	Replacement
1240	REJ-1RW-19B	99-215794-000	Replacement
1241	REJ-1RW-19A	99-215793-000	Replacement
1256	1SA-15	00-003105-000	Repair
1325	REJ-1RW-6B	99-215801-000	Replacement
1326	1CH-FL-1	97-065726-003	Repair
1337	REJ-1RW-18C	99-215802-000	Replacement
1389	REJ-1RW-19C	00-003295-000	Replacement
1390	1GW-TK-2	00-010381-006	Replacement
1393	1CH-P-1A	01-001844-000	Replacement
"	"	01-001330-000	"
"	"	00-020126-000	"
1396	CH-R-53	01-001330-011	Replacement
1398	1RC-P-1C	00-010751-000	Replacement
1400	MOV-1SI-867A	01-001266-000	Replacement
1402	H-67A	01-011240-000	Replacement
1403	1RW-127	00-029739-000	Replacement
1405	1CH-23	01-000486-000	Replacement
1406	1MS-80	00-022236-000	Replacement
1407	1MS-81	00-022237-000	Replacement
1408	1MS-82	00-022238-000	Replacement
1409	1CH-153	01-012693-000	Replacement
1410	REJ-1RW-8A	00-017083-000	Replacement
1413	1RW-106	01-000751-000	Replacement
1417	1RS-E-1A	00-022265-000	Repair
"	"	00-022265-003	"
1418	1RS-E-1C	00-022267-000	Repair
1423	1RC-5	00-003299-000	Replacement
1427	TV-1BD-101C2	01-014314-003	Repair
1436	RV-1RC-551B	00-028594-000	Replacement
1437	1FW-P-2	P.O. 7067576	Replacement
"	"	01-015650-000	"
1438	1SI-6	00-020354-000	Replacement
1442	1MS-20	01-018095-000	Replacement
1447	CH-87	00-007801-000	Replacement
1449	TV-1MS-105B	00-024892-000	Repair
1450	MOV-1CH-370	01-002103-000	Replacement
1452	1CH-159	00-011020-000	Replacement
1453	WR-402	01-019801-000	Replacement
1454	PCV-1RC-456	00-008322-000	Replacement
1459	RV-1CH-209	00-028595-000	Replacement

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>MARK NUMBER</u>	<u>WORK ORDER NO.</u>	<u>COMMENTS</u>
1460	CH-301	DCP-2386	Replacement
"	CH-302	"	"
"	CH-303	"	"
"	CH-304	"	"
"	CH-305	"	"
"	CH-306	"	"
"	FE-1CH-154	"	"
"	FE-1CH-155	"	"
"	FE-1CH-156	"	"
"	1CH-501	"	"
"	1CH-506	"	"
"	1CH-508	"	"
"	1CH-513	"	"
"	1CH-515	"	"
"	1CH-520	"	"
1462	1RC-E-1A	P.O. 7024829	Repair
1463	1RC-E-1B	P.O. 7024829	Repair
1464	1RC-E-1C	P.O. 7024829	Repair
1480	RC-PSSP-20	01-001810-000	Replacement
"	RC-PSSP-129	"	"
1481	RC-PSSP-24A	01-001811-000	Replacement
"	RC-PSSP-24B	"	"
"	RC-PSSP-25A	"	"
"	RC-PSSP-115	"	"
"	RC-HSS-41A	"	"
"	RC-HSS-42A-B	"	"
"	RC-PSSP-301	"	"
1482	RC-HC-11A	01-001812-000	Replacement
1483	WGCB-PCCP-46E	01-001813-000	Replacement
"	WGCB-PCCP-46F	"	"
1484	WGCB-PSSP-200C	01-001847-000	Replacement
"	WGCB-PSSP-200D	"	"
1485	CC-HSS-403	01-001848-000	Replacement
1486	CC-HSS-402	01-001849-000	Replacement
1487	CC-HSS-021B	01-001850-000	Replacement
1488	CC-HSS-406A	01-001851-000	Replacement
"	CC-HSS-406B	"	"
1489	CC-HSS-407B	01-001852-000	Replacement
1490	CC-HSS-404	01-002680-000	Replacement
1491	WFPD-HSS-203	01-001854-000	Replacement
"	WFPD-HSS-207	"	"
1492	WFPD-HSS-228	01-001855-000	Replacement
1493	SHP-HSS-208	01-001856-000	Replacement
"	SHP-HSS-209	"	"

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>MARK NUMBER</u>	<u>WORK ORDER NO.</u>	<u>COMMENTS</u>
1494	RH-HSS-102	01-001859-000	Replacement
"	RH-HSS-109	"	"
1495	RS-HSS-221	01-001871-000	Replacement
1496	WR-HSS-309	01-001872-000	Replacement
1497	WR-HSS-311	01-001873-000	Replacement
1498	WR-HSS-304A	01-001874-000	Replacement
"	WR-HSS-314	"	"
1499	WR-HSS-306	01-001875-000	Replacement
1500	SI-HSS-517	01-001877-000	Replacement
"	SI-HSS-518	"	"
"	SI-HSS-519	"	"
1501	SI-HSS-514	01-001878-000	Replacement
"	SI-HSS-523B	"	"
1502	SI-HSS-410	01-001879-000	Replacement
1503	SI-HSS-417	01-001880-000	Replacement
1504	SI-HSS-420	01-001881-000	Replacement
"	SI-HSS-422	"	"
1505	1RW-193	01-006738-000	Replacement

Form No. 962

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 12-08-01Sheet 1 of 1

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

Unit No. 1

W.O. 97-061665-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Chemical and Volume Control (Q2)5. (a) Applicable Construction Code ANSI B16.5 19 68 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)
Gate Valve	Velan Valve	N/A	N/A	1CH-26	1976	Repaired	No

7. Description of Work Replaced valve body to bonnet studs and nuts.

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.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NPDPAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

Certificate of Authorization No. N/A

Expiration Date N/A

Signed [Signature]

Owner or Owner's Designee, Title

Lead Engineer

Date December 8, 20 01

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/2/01 to 12/19/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

WB7509(N,I) PA2162
National Board, State, Province, and Endorsements

Date Dec 19, 20 01

Form No. 1239

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 03/22/2001
- Sheet 1 of 1
2. Plant Beaver Valley Power Station
(NAME)
Shippingport, PA 15077
(ADDRESS)
- Unit No. 1
- W.O. #99-215800-000
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 River Water (Q3)
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)
Rubber Expansion Joint	Goodall	N/A	N/A	REJ-IRW-18A	1995	Replaced	No
Rubber Expansion Joint	Garlock	0-3209	N/A	REJ-IRW-18A	2000	Replacement	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

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Previous NIS-2 Code Data Report No. 622. *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]

Lead Engr.

Date

March 23rd

20 01

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I.

have inspected the components described in the Owner's Report during the period 2/28/00 to 3/23/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature: Robert Cimoch]
Inspector's Signature

Commissions

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

Date

March 23, 20 01

Form No. 1240

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

1. Owner F.E.N.O.C. Date 03/23/2001
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. #99-215794-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date
4. Identification of System River Water (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)
Rubber Expansion Joint	Goodall	N/A	N/A	REJ-1RW-19B	1995	Replaced	No
Rubber Expansion Joint	Garlock	N/A	N/A	REJ-1RW-19B	2000	Replacement	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

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Previous NIS-2 Code Data Report No. 767 and 626. *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] Lead Eng. Date March 23rd, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 6/29/00 to 3/23/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date March 23, 20 01

Form No. 1241

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

1. Owner F.E.N.O.C. Date 03/23/2001
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. #99-215793-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System River Water (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)
Rubber Expansion Joint	Goodall	N/A	N/A	REJ-1RW-19A	1995	Replaced	No
Rubber Expansion Joint	Garlock	N/A	N/A	REJ-1RW-19A	2000	Replacement	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

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Previous NIS-2 Code Data Report No. 625. *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 NPDP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed [Signature] Lead Eng. Date March 23rd 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 7/14/00 to 3/23/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date March 23 20 01

Form No. 1256

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 04/28/0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)W.O. 00-003105-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By BVPS - Maintenance
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date " "4. Identification of System Station Air (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)
Check Valve	Borg-Warner	75573	N/A	ISA-15	1982	Repaired	Yes

7. Description of Work Disassembled valve for maintenance, re-seal welded on re-assembly.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No. 994.

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]

Lead Engineer

Date

April 28th

, 20 01

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/24/00 to 5/14/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions

NB 7509 (N.I.) PA 2162

National Board, State, Province, and Endorsements

Date

May 14

, 20

01

CERTIFICATE OF COMPLIANCE

IN CERTAIN CASES
Our ASAC Certificate of Authorization No. I-1954 is used by I JAMES CLARK 10/27/36

(1) ~~Signature not required. List name only.~~

2/22 is 82

Commissions 1275 CA.
(Mar. 84, Sept. 84, and Nov. 84)

Form No. 1325

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 03/22/2001Sheet 1 of 1

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

Unit No. 1

W.O. #99-215801-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System River Water (Q3)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)
Rubber Expansion Joint	Goodall	N/A	N/A	REJ-1RW-6B	1995	Replaced	No
Rubber Expansion Joint	Garlock	N/A	N/A	REJ-1RW-6B	2000	Replacement	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

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Previous NIS-2 Code Data Report No. 612. *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] Lead Engr. Date March 23rd, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/16/00 to 3/23/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date March 23, 20 01

Form No. 1326

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 11-30-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)W.O. #97-065726-003
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By BVPS - Maintenance
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Chemical and Volume Control (Class C)5. (a) Applicable Construction Code Section III 19 68 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)
Boric Acid Filter	Cuno Engineering	117	2614	1CH-FL-1	1976	Repaired	Yes

7. Description of Work Repaired filter housing closure mechanism.

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. Filter housing closure mechanism was damaged in use
and the attachment brackets were straightened and weld repaired. *Year installed.

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 and Repair/Alteration Program"

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

[Signature]

Lead Engineer

Date

December 11, 20 01

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of

Johnston, R.I.

have inspected the components described in the Owner's Report during the period 8/18/01 to 12/13/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch

Inspector's Signature

Commissions

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

Date

Dec 13, 20 01

Form No. 1337

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

1. Owner F.E.N.O.C. Date 03/22/2001
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. #99-215802-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System River Water (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)
Rubber Expansion Joint	Goodall	81832	N/A	REJ-IRW-18C	1995	Replaced	No
Rubber Expansion Joint	Garlock	0-3208	N/A	REJ-IRW-18C	2000	Replacement	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

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Previous NIS-2 Code Data Report No. 624. *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 NPDP 8.5 "ASME Section XI Repair/Replacement Program"

Certificate of Authorization No. N/A

Expiration Date N/A

Signed [Signature] Lead Engr. Date March 23rd, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 9/26/00 to 3/23/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

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

Date

March 23, 20 01

Form No. 1389

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 03/22/2001Sheet 1 of 1

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

Unit No. 1

W.O. #00-003295-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System River Water (Q3)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)
Rubber Expansion Joint	Goodall	N/A	N/A	REJ-1RW-19C	1995	Replaced	No
Rubber Expansion Joint	Garlock	0-3301	N/A	REJ-1RW-19C	2000	Replacement	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

FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Previous NIS-2 Code Data Report No. 766. *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] Lead Engr. Date March 23rd, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the

Owner's Report during the period 8/9/00 to 3/23/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

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

Date March 23, 20 01

Form No. 1390

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

1. Owner F.E.N.O.C. Date 12-13-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. #00-010381-006
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Gaseous Waste (Class C)
5. (a) Applicable Construction Code Section III '9 68 Edition, W'69 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)
Vertical Tank	P. X. Engineering	318-P	100	1GW-TK-2	1972	Repaired	Yes
Studs	Nova Machine	N/A	N/A	Ht #99694-SSY	2000*	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #B87035-TGS	2000*	Replacement	No
Bolts	Nova Machine	N/A	N/A	Ht #HYV, EQC, VDK	2000*	Replacement	No

7. Description of Work Replaced studs and nuts on N1 blind flange location, and bolts on both 4"
hand holes flanges.

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

FORM NIS-2 (Back)

9. Remarks U-1 Code Data Report attached. Bolting was replaced due to corrosion of the fasteners.

*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 NPDP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date December 15, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 11/29/01 to 12/19/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 20 01

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

GW-TK-2

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

1. Manufactured by P.X. ENGINEERING CO., INC. 225 Merrimac St., Woburn, Mass.
 (Name and address of Manufacturer)
 Manufactured for Duquesne Light Co., Ohio Edison Co., Pennsylvania Power Co.
Beaver Valley Power Station, Shinningport, Pennsylvania
 (Name and address of Purchaser)

3. Type Vert. Kind Tank Vessel No. (318-P) (Mfrs. Serial) (State & State No.)
 (Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) Natl. Bd. No. 100 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-240-304 T.S. 75,000 Nominal Thickness 1/4 In. Allowance — In. Diam. 3 Ft. 0 In. Length 8 Ft. 6 In.
 (Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

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

If riveted describe seams fully on reverse side of form.

Girth Welded Dbl. Butt T. No R.T. Complete Sectioned No No. of Courses 1

6. HEADS (a) Material SA-240-304 T.S. 75,000 (b) Material SA-240-304 T.S. 75,000
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure
 (Top, bottom, ends) (Kind & Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) (Convex or Concave)
 (a) Top .250 36" 2.250" — — — — — Concave
 (b) Bottom .250 36" 2.250" — — — — — Concave

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. 148 psi at max. temp. AMBF Min. Temp. (when less than -20°) — °F. Hydrostatic Pneumatic or Combination } Test Press 222 psi.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material (Kind & Spec. No.) Diam. (Subject to Pressure) In. Thickness In. Attachment (Welded, Bolted)

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

TUBES: Material (Kind & Spec. No.) O.D. In. Thickness In. or Gage Number Type (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 — H.T. — R.T. — Sectioned — Efficiency — %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

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

14. HEADS (a) Material (Kind & Spec. No.) T.S. (b) Material (Kind & Spec. No.) T.S. (c) Material (Kind & Spec. No.) T.S.
 Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure
 (Top, bottom, ends) (Kind & Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) (Convex or Concave)
 (a) Top, bottom, ends — — — — — — — — — —
 (b) Channel — — — — — — — — — —
 (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. — psi at max. temp. — °F. Min. temp. (when less than -20°) — °F. Hydrostatic Pneumatic or Combination } Test Press — psi.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number 1 Size 1-1/2" Location Welded to top head

17. NOZZLES

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Inlet</u>	<u>1</u>	<u>3/4"</u>	<u>CPLG</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>Welded</u>
<u>Outlet</u>	<u>1</u>	<u>3/4"</u>	<u>CPLG</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>Welded</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

¹ If postweld heat-treated.

² List under remarks other internal or external pressures with coincident temperature when applicable.

FORM U-1 (back)

INSPECTION Manholes, No. _____ Size _____ Location _____
 OPENINGS: Handholes, No. 2 Size 4 Location Welded to shell
 Threaded, No. _____ Size _____ Location _____
 SUPPORTS: Skirt _____ Lugs _____ (Number) _____ Legs 4 (Number) _____ Other _____ (Describe) _____ Attached Welded to shell (Where & How)

REMARKS: Surge Tank for service in a Nuclear Power Plant. This is a Class "C" Nuclear Vessel, Section VIII ASME Code, design information on file at Stone & Webster Engineering Corporation, 225 Franklin Street, Boston, Massachusetts 02107.

MK. No. GW-TK-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.

on November 8, 19 72 Signed P.X. ENGINEERING CO., INC. (Manufacturer) A L Bradbrook

Certificate of Authorization No. 8104 Expires December 31, 1973

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY P.X. ENGINEERING CO., INC. at Woburn, Massachusetts

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province Mass. and employed by Mutual Boiler & Mach. Ins. Co. of Waltham, Massachusetts have inspected the pressure vessel described in this manufacturer's data report on November 8, 19 72 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 November 8, 19 72

Inspector's Signature K. E. Hardy

Commissions NBS114 PA WC 1406

Nat'l Board, State, Province and No.

* Factory Mutual Group of Insurance Companies

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.

Form No. 1393

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

1. Owner F.E.N.O.C.
(NAME)Date 10-17-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)W.O. 01-001844-000, 01-001330-000, 00-020126-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By BVPS-Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Chemical & Volume Control (Q2)5. (a) Applicable Construction Code Draft Pump & Valve 1968 Edition, Addenda, S'68 Code Case N/A(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

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	BN-52799-01	---	1CH-P-1A	1985	Replacement	No
Pump	Pacific Pumps	49191	112	1CH-P-1A	1976	Replaced	Yes
Inner Seal Housing	Ingersoll-Rand	N/A	N/A	Ht #31162	2000	Replacement	No
Outboard Seal Housing	Ingersoll-Rand	N/A	N/A	Ht #31162	2000	Replacement	No

7. Description of Work Replaced pump, inboard & outboard seal housings and capscrews, pump discharge head studs and nuts, pump inlet and outlet flange studs and nuts, sections of lube oil piping, and reworked supports.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☒ Pressure _____ psi Test Temp. _____ °F
 (VT-3 Exams)

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No:1215. Replaced pump with spare for overhaul. Replaced sections of pump lube oil piping to eliminate threaded joints that were leaking per Code Case N-416-1. Reworked lube oil supports: PSR-003,-006, -007, -008, -009, -011, -012, -013. Pump S/N 49191 was built to ASME Sect. III 1971E. ALL studs, nuts and capscrews were supplied by Nova Machine to ASME Sect. III Class 1, 1986E.

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 and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date November 30, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/28/01 to 12/7/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date Dec 7, 20 01

Form No. 1396

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

1. Owner F.E.N.O.C. Date 10-10-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. 01-001330-011
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS-Maintenance Type Code Symbol Stamp N/A
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Chemical & Volume Control (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 1989

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 Support	FENOC	N/A	N/A	CH-R-53	2001	Replacement	No

7. Description of Work Removed and reinstalled pipe support.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 *Other ☒ Pressure psi Test Temp. °F
 (VT-3)

FORM NIS-2 (Back)

9. Remarks Pipe support was removed and reinstalled to correct for seismic clearances on discharge
pipng following pump 1CH-P-1A replacement.

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

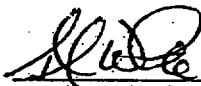
Type Code Symbol Stamp per 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

Certificate of Authorization No. N/A

Expiration Date

N/A

Signed



Lead Engineer

Date

October 10

20 01

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I.

have inspected the components described in the
Owner's Report during the period 2/28/01 to 10/11/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert C. Cunniff
Inspector's Signature

Commissions

NB 7509(NI) PA 2162
National Board, State, Province, and Endorsements

Date

Oct 11, 20 01

Form No. 1398

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

1. Owner F.E.N.O.C. Date 12-14-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. 00-010751-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Class A)
5. (a) Applicable Construction Code Section III 1988 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	3-618J931G01	---	IRC-P-1C	1976	Repaired	Yes

7. Description of Work Replaced one main flange bolt.

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. Removed bolt S/N 7692 from #12 location and installed
S/N 14127. *Year installed. Previous NIS-2 Data Report No. 914.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Engineer Date December 14, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 9/10/01 to 12/19/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1400

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

1. Owner F.E.N.O.C.
 (NAME)
76 South Main Street - Akron, OH 44308
 (ADDRESS)

Date 10-09-01Sheet 1 of 1

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

Unit No. 1

W.O. 01-001266-000
 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS-Maintenance
 (NAME)
Shippingport, PA 15077
 (ADDRESS)

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date "4. Identification of System Safety Injection (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 1989

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	Flowserve	E318T-1-1	N/A	MOV-ISI-867A	2001	Replacement	No
Gate Valve	Westinghouse	*	17451	MOV-ISI-867A	1978	Replaced	Yes

7. Description of Work Replaced valve with spare.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒Other ☐ Pressure _____ psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks Previous NIS-2 Data Report No: 636. Valve was replaced in accordance with Code Case
N-416-1 and ECP-11. New valve is designed to ANSI B16.34-1981.

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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date October 9, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/28/01 to 11/8/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date Nov. 8, 20 01

Form No. 1402

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

1. Owner F.E.N.O.C.
 (NAME)
76 South Main Street – Akron, OH 44308
 (ADDRESS)

Date 10-10-01Sheet 1 of 1

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

Unit No. 1

W.O. 01-011240-000
 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS-Nuclear Construction
 (NAME)
Shippingport, PA 15077
 (ADDRESS)

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date "4. Identification of System River Water (Q3)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 1989

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 Support	FENOC	N/A	N/A	H-67A	2001	Replacement	No

7. Description of Work Pipe support was removed and reinstalled.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 *Other ☒ Pressure _____ psi Test Temp. _____ °F *(VT-3)

FORM NIS-2 (Back)

9. Remarks Pipe support H-67A on line number 30" WR-17-151-Q3, Isometric drawing 6.24-69, was
removed and reinstalled to determine the location of a suspected pipe leak.

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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date October 10, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 4/25/01 to 10/11/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimnoch
Inspector's Signature

Commissions

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

Date Oct 11, 20 01

Form No. 1403

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 12-10-01Sheet 1 of 1

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

Unit No. 1

W.O. 00-029739-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code ANSI B16.5 19 68 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)
Ball Valve	Contromatics	N/A	N/A	IRW-127	1976	Repaired	No
Ball	Contromatics	N/A	N/A	Ht #33757-WD	2001	Replacement	No

7. Description of Work Replaced valve ball.

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. *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 NPDPAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date December 10, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 10/5/01 to 12/14/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cernoch
Inspector's Signature

Commissions

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

Date Dec 14, 20 01

Form No. 1405

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 12-17-01Sheet 1 of 1

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

Unit No. 1

W.O. #01-000486-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date *4. Identification of System Chemical and Volume Control (Q2)5. (a) Applicable Construction Code ANSI B16.5 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)
Check Valve	Velan	N/A	N/A	1CH-23	1976	Repaired	No
Disc	Velan	2668	N/A	Ht #J6129	2001	Replacement	No

7. Description of Work Replaced disc 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 Report available. Disc was replaced due to leak-by and pitting. *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 NPDP 8.5 "ASME Section XI" Repair/Replacement and Repair/Alteration Program

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

Signed [Signature] Lead Engineer Date December 17, 20 01
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 5/9/01 to 12/21/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
 Inspector's Signature

Commissions

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

Date Dec 21, 20 01

Form No. 1406

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 12-10-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)W.O. 00-022236-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By BVPS - Maintenance
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Main Steam (Q2)5. (a) Applicable Construction Code ANSI B16.5/16.34 1973 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	IMS-80	1976	Repaired	No
Hinge Pin Plug	Crane	N/A	N/A	Lot #9211	2001	Replacement	No
Studs	Nova Machine	N/A	N/A	N/A	2001	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #A284	2001	Replacement	No
Disc	Crane	C6841	N/A	Ht #616298	2001	Replacement	No

7. Description of Work Replaced valve disc, hinge pin plug, and cover studs & nuts.

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. Previous NIS-2 Code Data Report Nos:1209, 1018, 601,
and 144. *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 NPDP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

Certificate of Authorization No. N/A

Expiration Date N/A

Signed [Signature] Lead Engineer Date December 14, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 8/15/01 to 12/21/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date Dec 21, 20 01

Form No. 1407

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 12-10-01Sheet 1 of 1

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

Unit No. 1

W.O. 00-022237-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code ANSI B16.5/16.34 1973 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	IMS-81	1976	Repaired	No
Hinge Pin Plug	Crane	N/A	N/A	Lot #9211	2001	Replacement	No
Studs	Nova Machine	N/A	N/A	N/A	2001	Replacement	No
Nuts	Nova Machine	N/A	N/A	N/A	2001	Replacement	No
Disc	Crane	N/A	N/A	Ht #616298	2001	Replacement	No

7. Description of Work Replaced valve disc, hinge pin plug, and cover studs & nuts.

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. Previous NIS-2 Code Data Report Nos:1210, 997, 907,
665, 537, and 168. *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 and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date December 14, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/15/01 to 12/21/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date Dec 21, 20 01

Form No. 1408

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

1. Owner F.E.N.O.C. Date 12-10-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. 00-022238-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Main Steam (Q2)
5. (a) Applicable Construction Code ANSI B16.5/16.34 1973 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	IMS-82	1976	Repaired	No
Hinge Pin Plug	Crane	N/A	N/A	Lot #9211	2001	Replacement	No
Studs	Nova Machine	N/A	N/A	N/A	2001	Replacement	No
Nuts	Nova Machine	N/A	N/A	N/A	2001	Replacement	No
Disc	Crane	C4233	N/A	Ht #616298	2001	Replacement	No

7. Description of Work Replaced valve disc, hinge pin plug, and cover studs & nuts.

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. Previous NIS-2 Code Data Report Nos: 1211, 1019, 666,
and 148. *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 and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date December 14, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 8/15/01 to 12/21/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 21, 20 01

Form No. 1409

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

1. Owner F.E.N.O.C.
(NAME)
76 South Main Street - Akron, OH 44308
(ADDRESS)

Date 10-10-01Sheet 1 of 1

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

Unit No. 1

W.O. 01-012693-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS-Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date "4. Identification of System Chemical & Volume Control (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 1989

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	Rockwell Int.	N/A	N/A	1CH-153	1976	Replaced	No
Check Valve	Rockwell Int.	BL777	N/A	1CH-153	2001	Replacement	No

7. Description of Work Valve was replaced with a spare.

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 and downstream pipe nipple were replaced with
spares per Code Case N-416-1. Valve was manufactured to ANSI 16.34-1977. *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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date October 10, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 5/23/01 to 10/11/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Oct 11, 20 01

Form No. 1410

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

1. Owner F.E.N.O.C.
(NAME)
76 South Main Street - Akron, OH 44308
(ADDRESS)

Date 11-18-01Sheet 1 of 1

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

Unit No. 1

00-017083-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 1967 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)
Expansion Joint	Goodall	N/A	N/A	REJ-1RW-8A	1976	Replaced	No
Expansion Joint	Garlock	N/A	N/A	REJ-1RW-8A	2001	Replacement	No

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

*Year of installation _____

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 and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date 11-28, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/10/01 to 11/30/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

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

Date Nov 30, 20 01

Form No. 1413

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

1. Owner F.E.N.O.C. Date 12-08-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. 01-000751-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code ANSI B16.34 1981 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	C & S Valve	89-0929-01(Q)-01	N/A	1RW-106	1989	Replaced	No
Check Valve	Atwood & Morrill	C023430	N/A	1RW-106	2000	Replacement	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 Report available. Previous NIS-2 Data Report Nos: 1318, 1220, and 654.

New valve P.O. #104252 and Ht. #63662. Valve also meets ANSI B31.1 1973E-73A.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed

[Signature]

Lead Engineer

Date

December 14, 20 01

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I.

have inspected the components described in the Owner's Report during the period 9/10/01 to 12/21/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date

Dec 21, 20 01

Form No. 1417

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

1. Owner F.E.N.O.C. Date 11-30-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O.'s 00-022265-000, 00-022265-003
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System 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	IRS-E-1A	1971	Repaired	Yes

7. Description of Work Replaced diaphragms and seal welded.

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 activities and cleaning. Diaphragms
were replaced and seal welded on re-assembly. The lower diaphragm seal weld was re-worked
Under W.O. 00-022265-003. Previous NIS-2 Data Report Nos: 1251, 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 conforms
 to the rules of the ASME Code Section XI. Repair Or Replacement

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

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

Signed [Signature] Lead Engineer Date November 30, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 8/15/01 to 12/7/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 7, 20 01

Form No. 1418

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

1. Owner F.E.N.O.C.
(NAME)
76 South Main Street - Akron, OH 44308
(ADDRESS)

Date 11-29-01Sheet 1 of 1

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

Unit No. 1

W.O. #00-022267-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System 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	IRS-E-1C	1971	Repair	Yes

7. Description of Work Replaced top and bottom diaphragms and seal welded.

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 and cleaning. Diaphragms were
replaced and seal welded on re-assembly. Previous NIS-2 Data Report Nos: 1252, 946, 855, 698
689, 596, 558, 486, 288, and 156.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Engineer Date November 30, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the

Owner's Report during the period 8/15/01 to 11/30/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

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

Date Nov 30, 20 01

Form No. 1423

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 12-10-01

Sheet 1 of 1

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

Unit No. 1

W.O. 00-003299-000
 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 Reactor Coolant (Q1)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S71 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	Rockwell International	N/A	N/A	IRC-5	1976	Replaced	No
Globe Valve	Rockwell International	09A89	N/A	IRC-5	2001	Replacement	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 Report available. *Year installed. Replaced valve, downstream 90° elbow,
and pipe nipple in accordance with Code Case N-416-1. Original valve design was to ANSI B16.5-
1968, replacement valve meets ANSI B16.34-1981.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Engineer Date December 10, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 8/28/01 to 12/19/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date Dec 19, 20 01

Form No. 1427

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

1. Owner F.E.N.O.C. Date 12-10-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. 01-014314-003
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Steam Generator Blowdown (Q2)

5. (a) Applicable Construction Code Section III 1980 Edition, S'80 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	75598	---	TV-1BD-101C2	1982	Repaired	Yes
Stud	Nova Machine	N/A	N/A	N/A	2001•	Replacement	No
Nut	Nova Machine	N/A	N/A	Ht #721520 SVD	2001•	Replacement	No
Pipe Plug	Dubose Nat'l Energy Svc.	N/A	N/A	Lot #1225 Ht #9268	2000	Replacement	No

7. Description of Work Removed leak repair fitting and installed pipe plug and seal welded, replaced
one (1) body to bonnet stud and four (4) nuts.

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 ASME Sect. III but is installed into an ANSI B31.1
pipng system. *Year installed.

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 and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date December 15, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 8/30/01 to 12/19/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1436

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

1. Owner F.E.N.O.C. Date 11-28-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 00-028594-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Reactor Coolant (Q1)
5. (a) Applicable Construction Code Section III 19 68 Edition, S'68 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	Target Rock	6	N/A	RV-1RC-551B	1973	Replaced	Yes
Relief Valve	Target Rock	3	N/A	RV-1RC-551B	1973	Replacement	Yes

7. Description of Work Replaced relief valve with spare for testing purposes.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 280, and 158

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per NPDPAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date 11-28, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/10/01 to 11/30/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Nov. 30, 20 01

Form No. 1437

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

1. Owner F.E.N.O.C. Date 11/05/01
(Name)
76 South Main Street - Akron, OH 44308
(Address)
2. Plant Beaver Valley Power Station Unit No. 1
(Name)
Shippingport, PA 15077
(Address)
3. Work Performed By FLOWERVE Type Code Symbol Stamp N/A
(Name)
4816 WORTH PLACE, CHARLOTTE, NC 28216
(Address)
- Repair Organization P.O. No., Job No., etc. PO 7067576
Authorization No. N/A
Expiration Date
4. Identification of System AUXILIARY FEEDWATER (Q3)
5. (a) Applicable Construction Code Hydraulic 19 69 Edition, Addenda, Code Case
Institute
Standards
(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)
MECHANICAL SEAL	FLOWERVE	SN-406321-01	N/A	HT-A12823	2001	REPLACEMENT	NO
MECHANICAL SEAL	FLOWERVE	SN-406321-02	N/A	HT-A10380	2001	REPLACEMENT	NO

7. Description of Work MODIFIED PUMP AND INSTALLED MECHANICAL SEALS
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 2100 psi Test Temp. 70 °F (VT-2)

9. Remarks: THE PUMP WAS MODIFIED AT THE VENDOR FACILITY (PO 7067576) TO REPLACE SHAFT PACKING WITH MECHANICAL SEALS PER ECP 000077.

INSTALLATION OF THE PUMP WAS IN ACCORDANCE WITH WO 01-01650-000.

NO CODE DATA REPORT AVAILABLE

CERTIFICATE OF COMPLIANCE

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

REPLACEMENT
repair or replacement

Type Code Symbol Stamp NPDAP 8.5 "ASME SECTION XI REPAIR/REPLACEMENT AND REPAIR/ALTERATION PROGRAM"

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

Signed CLIFF CUSTER SR ENGINEER Date 11/05/01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, R.I. have inspected the components described in the Owner's Report during the period 8/9/01 to 11/7/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Nov. 7, 2001

Form No. 1438

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 12-07-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)W.O. #00-020354-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By BVPS - Maintenance
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Safety Injection (Q2)5. (a) Applicable Construction Code B16.5 19 68 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	Walworth	N/A	N/A	ISI-6	1976	Replacement	No

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

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. *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 and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date December 7, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/9/01 to 12/19/01 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1442

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 12/07/01Sheet 1 of

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

Unit No. 1

W.O. 01-018095-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Main Steam (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)
Nozzle Check	Enertech	10550	N/A	IMS-20	1997	Replaced	Yes
Nozzle Check	Enertech	11075	N/A	IMS-20	2001	Replacement	Yes

7. Description of Work Replaced valve with spare.

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

FORM NIS-2 (Back)

9. Remarks Valve was replaced with spare due to unacceptable leak-by. Previous NIS-2 Data Report
Nos.: 951, 269, and 159. Code Data Report attached. Valves were purchased to ASME Sect. III,
but are installed in 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 NPDP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date December 14, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 9/5/01 to 12/19/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Pg. 1 of 2

[illegible]

{12/88}

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

REPRINT 6/93

Certificate Holder's Serial No. 11075 & 110768. Design conditions 1100 (pressure) psi 560 (temperature) °F or valve pressure class 600 (1)9. Cold working pressure 1440 psi at 100°F10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi11. Remarks: Qty. 2, Enertech Job Number 24628V

CERTIFICATION OF DESIGN

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

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826 Expires 10/26/02Date 4/30/01 Name Enertech Signed Charles W. Whitaker
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by Hartford Steam Boiler Insp. & Insur. Co. of Connecticut have inspected the pump, or valve, described in this Data Report on 4/30/01, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 4/30/01 Signed William M. [Signature] Commissions CA 1494
(Authorized Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

Form No. 1447

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

1. Owner F.E.N.O.C. Date 10-10-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 W.O. 00-007801-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS-Maintenance Type Code Symbol Stamp N/A
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date *
4. Identification of System Chemical & Volume Control (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 1989
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	FENOC	N/A	N/A	CH-87	2001	Replacement	No

7. Description of Work Replaced 2"x1" pipe fitting.

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. A 2"x1" pipe fitting, downstream of valve 1CH-179
on Isometric drawing 6.24-267, was replaced per Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per ½-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date October 10, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I.

have inspected the components described in the
 Owner's Report during the period 9/12/01 to 10/11/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Oct 11, 20 01

Form No. 1449

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 12-07-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)W.O. #00-024892-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By BVPS - Maintenance
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date *4. Identification of System Main Steam (Q3)5. (a) Applicable Construction Code B16.5 19 68 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	H-49378-103-2	N/A	TV-1MS-105B	1976	Repaired	No

7. Description of Work Weld repaired lower seat and machined, replaced two body/bonnet studs.

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. Previous NIS-S Data Report No. 587. *Year installed.

Machining and weld repair were performed to correct steam cutting on lower gasket seat area.

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 and Repair/Alteration Program"

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

[Signature]

Lead Engineer

Date

December 7

20 01

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I.

have inspected the components described in the Owner's Report during the period 9/17/01 to 12/19/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

NB7509(N,I)PA 2182
National Board, State, Province, and Endorsements

Date

Dec 19, 20 01

Form No. 1450

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 12-08-01Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Shippingport, PA 15077
(ADDRESS)Unit No. 1W.O. 01-002103-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By BVPS - Maintenance
(NAME)Shippingport, PA 15077
(ADDRESS)Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Chemical and Volume Control (Q2)5. (a) Applicable Construction Code ANSI B16.5 19 68 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)
Gate Valve	Velan Valve	N/A	N/A	MOV-1CH-370	1976	Repaired	No

7. Description of Work Replaced valve body to bonnet studs and nuts.

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.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Engr. Date December 8, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/24/01 to 12/19/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date Dec 19, 20 01

Form No. 1452

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 12-10-01Sheet 1 of 1

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

Unit No. 1

W.O. 00-011020-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Maintenance
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Chemical and Volume Control (Q2)

5. (a) Applicable Construction Code ANSI B16.5 19 68 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)
Gate Valve	Velan	N/A	N/A	1CH-159	1976	Repaired	No
Wedge	Velan	4632	N/A	Ht #39024	2001	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #B157	2001	Replacement	No

7. Description of Work Replaced valve wedge and body to bonnet studs.

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. *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 NPDP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date December 10, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/24/01 to 12/14/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 14, 20 01

Form No. 1453

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 12-08-01Sheet 1 of 1

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

Unit No. 1

W.O. 01-019801-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Construction
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System River Water (Q3)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)
Pipe	Stone & Webster	N/A	N/A	WR-402	1976	Replaced	No
Pipe	FENOC	N/A	N/A	WR-402	2001	Replacement	No

7. Description of Work Replaced section of pipe.

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. Previous NIS-2 Data Report No. 478. Replacement of
pipe between welds nos. 6B and 7A on line no. 3" WR-402-151-Q3 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 NPDP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed [Signature] Lead Engineer Date December 8, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 9/24/01 to 12/14/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 14, 20 01

Form No. 1454

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

1. Owner F.E.N.O.C. Date 12-10-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. 00-008322-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code ANSI B16.5 19 68 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	H-20693-5-3	N/A	PCV-IRC-456	1976	Repaired	No
Plug Assy.	Masoneilan	N/A	N/A	Ht #G4151-24	2001	Replacement	No

7. Description of Work Replaced plug assembly.

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. *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 NPDP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

[Signature]

Lead Engineer

Date

December 10, 20 01

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I.

have inspected the components described in the Owner's Report during the period 9/26/01 to 12/13/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date

Dec 13, 20 01

Form No. 1459

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

1. Owner F.E.N.O.C. Date 12/13/01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 WO 00-028595-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By FENOC Maintenance Type Code Symbol Stamp N/A
(NAME)
Shippingport PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A
4. Identification of System Chemical and Volume Control (Q2)

5. (a) Applicable Construction Code B31.1 1967 Edition, S'71 Addenda, — Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Safety/relief valve	Crosby	51382-M3	N/A	RV-1CH-209	N/A	repaired	NO
spring	crosby	522051	N/A	NX2619	N/A	replaced	NO
nozzle	crosby	N/A	N/A	P/N 086718	N/A	replaced	NO
disc	crosby	N/A	N/A	N/A	N/A	replaced	NO

7. Description of Work Disassembled valve, replaced spring, spindle, disc, and disc ring, all taken from RV-1CH 382B (previously rebuilt to 96-52067). Replaced nozzle from stock.
Bench tested satisfactorily

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure 200 psi Test Temp. ambient °F

FORM NIS-2 (Back)

9. Remarks Valve s/n 51382M3 style JB-25-TD-WR-B Size 2J3Previous NIS-2 Data report #869

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 NPDAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/A Expiration Date N/ASigned Bussich Ld. Nuc. Engr Date 12/14, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 10/9/01 to 12/14/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch Commissions NB 7509(N,I) PA 2162
Inspector's Signature National Board, State, Province, and EndorsementsDate Dec 14, 20 01

Form No. 1460

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

1. Owner FENOC Date 10/08/2001
 (Name)
76 SOUTH MAIN STREET - AKRON, OH 44308 Sheet 1 of 4
 (Address)
2. Plant Beaver Valley Power Station Unit No. BV-1
 (Name)
Shippingport, PA 15077 DCP-2386
 (Address) Repair Organization P.O. No., Job No., etc.
3. Work Performed By FENOC Type Code Symbol Stamp Not Applicable
 (Name)
Shippingport, PA15077 Authorization No. Not Applicable
 (Address) Expiration Date Not Applicable
4. Identification of System Charging (CH) (Q2)
5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, Summer Addenda Code Case
 1971
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 N-416-1
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	Not Applicable	Not Applicable	Not Applicable	2"-CH-301-1502-Q2	N/A	Replacement	No
Pipe	Not Applicable	Not Applicable	Not Applicable	2"-CH-303-1502-Q2	N/A	Replacement	No
Pipe	Not Applicable	Not Applicable	Not Applicable	2"-CH-305-1502-Q2	N/A	Replacement	No
Pipe	Not Applicable	Not Applicable	Not Applicable	2"-CH-302-153W-Q2	N/A	Replacement	No
Pipe	Not Applicable	Not Applicable	Not Applicable	2"-CH-304-153W-Q2	N/A	Replacement	No
Pipe	Not Applicable	Not Applicable	Not Applicable	2"-CH-306-153W-Q2	N/A	Replacement	No
Flow Element	Tioga Pipe	Not Applicable	Not Applicable	FE-1CH-154	N/A	Replacement	No

Flow Element	Flow Element	Not Applicable	Not Applicable	FE-1CH-155	N/A	Replacement	No
Flow Element	Tioga Pipe	Not Applicable	Not Applicable	FE-1CH-156	N/A	Replacement	No

7. Description of Work Piping modifications to remove existing flow transmitters and install replacement piping, orifice flanges, valves.

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

9. Remarks: This DCP consists of removing existing Reactor Coolant Pump Seal Leak-Off Flow Transmitters and replace both the narrow and wide range transmitters on all three RCPs with dual range (wide & narrow) orifice plates/flanges and Rosemount transmitters. Physical changes consist of new piping, orifice plates, orifice flanges, low point drain valves, tubing, fitting and tubing instrument valves.

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 XI Repair/Replacement Program

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

Signed Samuel K. Murphy, Lead Nuclear Engineer Date 10-10-01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, R.I. have inspected the components described in the Owner's Report during the period 8/11/01 to 12/19/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 2001

Form No. 1460

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

1. Owner FENOC Date 10/08/2001
(Name)
76 SOUTH MAIN STREET - AKRON, OH 44308 Sheet 3 of 4
(Address)
2. Plant Beaver Valley Power Station Unit No. BV-1
(Name)
Shippingport, PA 15077 DCP-2386
(Address) Repair Organization P.O. No., Job No., etc.
3. Work Performed By FENOC Type Code Symbol Stamp Not Applicable
(Name)
Shippingport, PA15077 Authorization No. Not Applicable
(Address) Expiration Date Not Applicable
4. Identification of System Charging (CH) (Q2)
5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, Summer Addenda Code Case
1971
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 N-416-1
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Flowserve	E514R-1-3	Not Applicable	1CH-501	2001	Replacement	No
Valve	Flowserve	E514R-1-4	Not Applicable	1CH-506	2001	Replacement	No
Valve	Flowserve	E514R-1-1	Not Applicable	1CH-508	2001	Replacement	No
Valve	Flowserve	E514R-1-2	Not Applicable	1CH-513	2001	Replacement	No
Valve	Flowserve	E514R-1-5	Not Applicable	1CH-515	2001	Replacement	No
Valve	Flowserve	E514R-1-6	Not Applicable	1CH-520	2001	Replacement	No

7. Description of Work Piping modifications to remove existing flow transmitters and install replacement piping, orifice flanges, valves.

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

9. Remarks: This DCP consists of removing existing Reactor Coolant Pump Seal Leak-Off Flow Transmitters and
replace both the narrow and wide range transmitters on all three RCPs with dual range (wide & narrow) orifice plates/
flanges and Rosemount transmitters. Physical changes consist of new piping, orifice plates, orifice flanges, low point
drain valves, tubing, fitting and tubing instrument valves.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Per NPDPAP 8.5 ASME XI Repair/Replacement Program

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

Signed Samuel G. Murphy, LEAD NUCLEAR ENGINEER Date 10-10-01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE of
JOHNSTON, R.I. have inspected the components described in the
Owner's Report during the period 8/1/01 to 12/19/01, and state that to
the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 12/19/01

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

1. Owner First Energy Nuclear Operating Company Date 10/17/01
Name
76 South Main Street - Akron, OH 44308-1890 Sheet 1 of 1
Address

2. Plant Beaver Valley Power Station Unit 1
Name
Shippingport, PA 15077 Westinghouse P.O. 7024829
Address Reactor Organization P.O. No., Job No., etc.

3. Work Performed by BVPS/Life Cycle Management Type Code Symbol Stamp Not Applicable
Name
Shippingport, PA 15077 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Reactor Coolant (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 140 new tube plugs (70 tubes). Replaced 146 Inconel 600 rolled tube plugs

(73 hot leg; 73 cold leg) with Inconel 690 mechanical tube plugs.

Installed new gaskets on the primary & secondary manways. Installed new gaskets on
secondary side handholes. Performed chemical cleaning of the secondary side followed
by sludge lancing.

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 - W.O. 00-030141-000.
Applicable Manufacturer's Data Reports to be attached
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 NPDP 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed Ray Albert, Lead Nuc Adv. Date October 25, 2001
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 1/8/01 to 10/31/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Oct 31, 2001

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

1. Owner <u>First Energy Nuclear Operating Company</u>	Date <u>10/17/01</u>
Name	
<u>76 South Main Street - Akron, OH 44308-1890</u>	Sheet <u>1</u> of <u>1</u>
Address	
2. Plant <u>Beaver Valley Power Station</u>	Unit <u>1</u>
Name	
<u>Shippingport, PA 15077</u>	<u>Westinghouse P.O. 7024829</u>
Address	Reactor Organization P.O. No., Job No., etc.
3. Work Performed by <u>BVPS/Life Cycle Management</u>	Type Code Symbol Stamp <u>Not Applicable</u>
Name	
<u>Shippingport, PA 15077</u>	Authorization No. <u>N/A</u>
Address	Expiration Date <u>N/A</u>

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 80 new tube plugs (40 tubes). Replaced 90 Inconel 600 rolled tube plugs (47 hot leg; 43 cold leg) with Inconel 690 mechanical tube plugs. Installed 9 stabilizers.
- Installed new gaskets on the primary & secondary manways. Installed new gaskets on secondary side handholes. Installed new gasket on 2.0" access port.
- Performed chemical cleaning of the secondary side followed by sludge lancing.
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 - W.O. 00-030144-000.Applicable Manufacturer's Data Reports to be attachedPA 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 Harry Alberts, Lead Nuc. Adv. Date October 25, 2001
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 1/8/01 to 10/31/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Oct 31, 2001

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

1. Owner <u>First Energy Nuclear Operating Company</u> Name <u>76 South Main Street - Akron, OH 44308-1890</u> Address	Date <u>10/17/01</u> Sheet <u>1</u> of <u>1</u>
2. Plant <u>Beaver Valley Power Station</u> Name <u>Shippingport, PA 15077</u> Address	Unit <u>1</u> <u>Westinghouse P.O. 7024829</u> Reactor Organization P.O. No., Job No., etc.
3. Work Performed by <u>BVPS/Life Cycle Management</u> Name <u>Shippingport, PA 15077</u> Address	Type Code Symbol Stamp <u>Not Applicable</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4. Identification of System <u>Reactor Coolant (Q1)</u>	
5.(a) Applicable Construction Code <u>Section III</u> <u>19 65</u> Edition, <u>W'66</u> Addenda, <u>1429</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacement <u>19 1989 Edition</u>	
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	Yes

7.	Description of Work	<u>Installed 120 new tube plugs (60 tubes). Installed 12 stabilizers. Removed 1 tube for metallurgical analysis. Welded plug installed in tubesheet hole where tube was removed.</u> <u>Installed new gaskets on the primary & secondary manways. Installed new gaskets on secondary side handholes. Installed new gasket on 2.0" access port.</u> <u>Performed chemical cleaning of the secondary side followed by sludge lancing.</u>			
8.	Tests Conducted:	Hydrostatic <input type="checkbox"/>	Pneumatic <input type="checkbox"/>	Nominal Operating Pressure <input checked="" type="checkbox"/>	Exempt <input type="checkbox"/>
		Other <input type="checkbox"/>	Pressure	psi	Test Temp. °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided

- (1) size is 8-1/2 in. X 11 in.,
- (2) information in items 1 through 6 on this report is included on each sheet, and
- (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the ASME Order Dept. 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM NIS-2 (Back)

9. Remarks ASME repair work orders: Tube plugging - W.O. 00-030145-000.
Applicable Manufacturer's Data Reports to be attached

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 Harry Alberti, Lead Nuc. Adv. Date October 25, 2001
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 11/8/01 to 10/31/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Amosch
Inspector's Signature

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

Date Oct 31, 2001

Form No. 1480

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 01-001810-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Non Q, but within first anchor)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Pacific Scientific	2769	N/A	RC-PSSP-20	---	Replaced	No
Snubber	Pacific Scientific	5053	N/A	RC-PSSP-20	---	Replacement	No
Snubber	Pacific Scientific	3686	N/A	RC-PSSP-129	---	Replaced	No
Snubber	Pacific Scientific	3699	N/A	RC-PSSP-129	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 18, 20 01

Form No. 1481

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

1. Owner F.E.N.O.C. Date 12-18-01
 (NAME)
76 South Main Street - Akron, OH 44308
 (ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
 (NAME)
Shippingport, PA 15077 01-001811-000
 (ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
 (NAME)
Shippingport, PA 15077 Authorization No. N/A
 (ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Non Q, but within first anchor)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Pacific Scientific	3699	N/A	RC-PSSP-24A	---	Replaced	No
Snubber	Pacific Scientific	8090	N/A	RC-PSSP-24A	---	Replacement	No
Snubber	Pacific Scientific	3691	N/A	RC-PSSP-24B	---	Replaced	No
Snubber	Pacific Scientific	10962	N/A	RC-PSSP-24B	---	Replacement	No
Snubber	Pacific Scientific	3690	N/A	RC-PSSP-25A	---	Replaced	No
Snubber	Pacific Scientific	17193	N/A	RC-PSSP-25A	---	Replacement	No
Snubber	Pacific Scientific	5048	N/A	RC-PSSP-115	---	Replaced	No
Snubber	Pacific Scientific	2772	N/A	RC-PSSP-115	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brode, Sub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch Commissions NB 7509(N.I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 19, 20 01

Form No. 1481

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

1. Owner F.E.N.O.C. Date 12-14-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 2 of 2
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 01-001811-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System Reactor Coolant (Q1)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	VB-7228B	N/A	RC-HSS-41A	---	Replaced	No
Snubber	Grinnell	12747	N/A	RC-HSS-41A	---	Replacement	No
Snubber	Pacific Scientific	9361	N/A	RC-HSS-42A-B	---	Replaced	No
Snubber	Pacific Scientific	25511	N/A	RC-HSS-42A-B	---	Replacement	No
Snubber	Pacific Scientific	6268	N/A	RC-PSSP-301	---	Replaced	No
Snubber	Pacific Scientific	18482	N/A	RC-PSSP-301	---	Replacement	No

Robert Cimoch 12/19/01
 ANII

Form No. 1482

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 01-001812-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Q1)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Bergen-Paterson	68284-04	N/A	RC-HC-11A	---	Replaced	No
Snubber	Bergen-Paterson	68284-02	N/A	RC-HC-11A	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
R66 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub-Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1483

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

1. Owner F.E.N.O.C. Date 12-14-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 01-001813-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System Steam Generator Blowdown (Q2)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Pacific Scientific	20930	N/A	WGCB-PSSP-46E	---	Replaced	No
Snubber	Pacific Scientific	25269	N/A	WGCB-PSSP-46E	---	Replacement	No
Snubber	Pacific Scientific	20540	N/A	WGCB-PSSP-46F	---	Replaced	No
Snubber	Pacific Scientific	25268	N/A	WGCB-PSSP-46F	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RRB 12/15/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Beaulieu, Sub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

NB 7509(VI) PA 2162
National Board, State, Province, and Endorsements

Date Dec 19, 20 01

Form No. 1484

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 12-14-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-001847-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Steam Generator Blowdown (Q2)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Pacific Scientific	20928	N/A	WGCB-PSSP-200C	---	Replaced	No
Snubber	Pacific Scientific	9360	N/A	WGCB-PSSP-200C	---	Replacement	No
Snubber	Pacific Scientific	14962	N/A	WGCB-PSSP-200D	---	Replaced	No
Snubber	Pacific Scientific	24337	N/A	WGCB-PSSP-200D	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °FN/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Broderick, Sub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1485

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 12-18-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-001848-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Component Cooling Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	8423	N/A	CC-HSS-403	---	Replaced	No
Snubber	Grinnell	8426	N/A	CC-HSS-403	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ N/A
Other ☐ Pressure _____ psi Test Temp. _____ °FRBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1486

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 01-001849-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System Component Cooling Water (Q3)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	25904	N/A	CC-HSS-402	---	Replaced	No
Snubber	Grinnell	12744	N/A	CC-HSS-402	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/28/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1487

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 01-001850-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System Component Cooling Water (Q3)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Pacific Scientific	14918	N/A	CC-HSS-021B	---	Replaced	No
Snubber	Pacific Scientific	24499	N/A	CC-HSS-021B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cernoch
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1488

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 12-18-01Sheet 1 of 1

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

Unit No. 1

01-001851-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Nuclear Construction
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Component Cooling Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Pacific Scientific	6266	N/A	CC-HSS-406A	---	Replaced	No
Snubber	Pacific Scientific	16260	N/A	CC-HSS-406A	---	Replacement	No
Snubber	Pacific Scientific	6267	N/A	CC-HSS-406B	---	Replaced	No
Snubber	Pacific Scientific	29435	N/A	CC-HSS-406B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooker, Snub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the

Owner's Report during the period 3/26/01 to 12/19/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1489

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 12-18-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-001852-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date .4. Identification of System Component Cooling Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	8369	N/A	CC-HSS-407B	---	Replaced	No
Snubber	Grinnell	8181	N/A	CC-HSS-407B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1490

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 12-18-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-002680-000

REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Component Cooling Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	8180	N/A	CC-HSS-404	---	Replaced	No
Snubber	Grinnell	VB-7205B	N/A	CC-HSS-404	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1491

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 01-001854-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System Feedwater (Q2)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	VB-7133B	N/A	WFPD-HSS-203	---	Replaced	No
Snubber	Grinnell	11287	N/A	WFPD-HSS-203	---	Replacement	No
Snubber	Grinnell	8374	N/A	WFPD-HSS-207	---	Replaced	No
Snubber	Grinnell	8375	N/A	WFPD-HSS-207	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brookes, Sub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1492

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 12-18-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-001855-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Feedwater (Non Q, but within first anchor)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	VB-5364B	N/A	WFPD-HSS-228	---	Replaced	No
Snubber	Grinnell	8332	N/A	WFPD-HSS-228	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RSS 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Beards Snubber Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the

Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimach
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1493

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 12-18-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-001856-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Main Steam (Q2)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	30249	N/A	SHP-HSS-208	---	Replaced	No
Snubber	Grinnell	27283	N/A	SHP-HSS-208	---	Replacement	No
Snubber	Grinnell	19826	N/A	SHP-HSS-209	---	Replaced	No
Snubber	Grinnell	30757	N/A	SHP-HSS-209	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure _____ psi Test Temp. _____ °FN/A
RB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a new spare. No Code Data Reports are available.

The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Robert Beaulieu, Smith Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the

Owner's Report during the period 3/26/01 to 12/19/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1494

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 01-001859-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Residual Heat Removal (Q2 for 102 & Q1 for 109)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	VB-7459B	N/A	RH-HSS-102	---	Replaced	No
Snubber	Grinnell	9190	N/A	RH-HSS-102	---	Replacement	No
Snubber	Grinnell	25482	N/A	RH-HSS-109	---	Replaced	No
Snubber	Grinnell	30534	N/A	RH-HSS-109	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Broderick, Sub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the

Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1495

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 12-18-0176 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-001871-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Containment Depressurization – Recirculation (Q2)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	8842	N/A	RS-HSS-221	---	Replaced	No
Snubber	Grinnell	VB-7197B	N/A	RS-HSS-221	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snub. Program Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1496

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 01-001872-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date _____
4. Identification of System River Water (Q3)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	8804	N/A	WR-HSS-309	---	Replaced	No
Snubber	Grinnell	12177	N/A	WR-HSS-309	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ N/A
 Other ☐ Pressure _____ psi Test Temp. _____ °F RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Jr. Sub Proj Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the

Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1497

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 01-001873-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System River Water (Q3)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	VB-7048	N/A	WR-HSS-311	—	Replaced	No
Snubber	Grinnell	8768	N/A	WR-HSS-311	—	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
200 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub-Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1498

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 01-001874-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System River Water (Q3)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	VB-6644B	N/A	WR-HSS-304A	---	Replaced	No
Snubber	Grinnell	25474	N/A	WR-HSS-304A	---	Replacement	No
Snubber	Grinnell	12729	N/A	WR-HSS-314	---	Replaced	No
Snubber	Grinnell	VB-7360	N/A	WR-HSS-314	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snub. Prog. Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1499

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 12-18-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-001875-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	12745	N/A	WR-HSS-306	---	Replaced	No
Snubber	Grinnell	8835	N/A	WR-HSS-306	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub. Prop Owner Date December 15, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1500

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 12-18-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-001877-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Safety Injection (Q2)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	8436	N/A	SI-HSS-517	---	Replaced	No
Snubber	Grinnell	8374	N/A	SI-HSS-517	---	Replacement	No
Snubber	Grinnell	VB-6793	N/A	SI-HSS-518	---	Replaced	No
Snubber	Grinnell	8190	N/A	SI-HSS-518	---	Replacement	No
Snubber	Grinnell	VB-7463B	N/A	SI-HSS-519	---	Replaced	No
Snubber	Grinnell	8396	N/A	SI-HSS-519	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub. Proj. Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1501

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 12-18-01Sheet 1 of 1

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

Unit No. 1

01-001878-000
 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Nuclear Construction
 (NAME)
Shippingport, PA 15077
 (ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code ANSI B31.1 - 1967 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	Grinnell	22186	N/A	SI-HSS-514	---	Replaced	No
Snubber	Grinnell	12749	N/A	SI-HSS-514	---	Replacement	No
Snubber	Grinnell	7181	N/A	SI-HSS-523B	---	Replaced	No
Snubber	Grinnell	VB-7466	N/A	SI-HSS-523B	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
ASB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooker, Sr. Proj. Mgr. Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1502

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 12-18-0176 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)01-001879-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Nuclear Construction
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Safety Injection (Q1)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	VB-6810B	N/A	SI-HSS-410	—	Replaced	No
Snubber	Grinnell	25915	N/A	SI-HSS-410	—	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snub. Prog. Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date Dec 19, 20 01

Form No. 1503

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 12-18-01Sheet 1 of 1

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

Unit No. 1

01-001880-000
 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Nuclear Construction
 (NAME)
Shippingport, PA 15077
 (ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Safety Injection (Q1)5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	9206	N/A	SI-HSS-417	---	Replaced	No
Snubber	Grinnell	VB-6794B	N/A	SI-HSS-417	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Broderick, Snubber Owner Date December 18, 20 01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1504

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
- Shippingport, PA 15077 01-001881-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date
4. Identification of System Safety Injection (Q1)
5. (a) Applicable Construction Code ANSI B31.1 1967 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	Grinnell	25907	N/A	SI-HSS-420	---	Replaced	No
Snubber	Grinnell	23522	N/A	SI-HSS-420	---	Replacement	No
Snubber	Grinnell	23521	N/A	SI-HSS-422	---	Replaced	No
Snubber	Grinnell	12180	N/A	SI-HSS-422	---	Replacement	No

7. Description of Work Replaced snubber with spare for testing/refurbishment purposes.

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

N/A
RBB 12/18/01

FORM NIS-2 (Back)

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Sub. Prop. Owner Date Dec 18, 2001
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/26/01 to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date Dec 19, 20 01

Form No. 1505

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

1. Owner F.E.N.O.C. Date 12-18-01
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. #01-006738-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date
4. Identification of System River Water (Q2)
5. (a) Applicable Construction Code ANSI B16.34 19 81 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	TRW-Mission	N/A	N/A	1RW-193	1976*	Replaced	No
Check Valve	C&S Valve	92-2019-03-Q-01	N/A	1RW-193	1992	Replacement	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 Report available. Valve was replaced with a spare per CERF-000041 due
to degradation in the river water system. *Year installed. Valve also meets ANSI B31.1 73E-73A.

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 and Repair/Alteration Program"

Certificate of Authorization No. N/A

Expiration Date N/A

Signed [Signature] Lead Engineer Date December 19, 20 01
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 7/3/01 to 12/21/01, and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
 Inspector's Signature

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

Date Dec 21, 20 01