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July 25, 2003
L-03-114

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

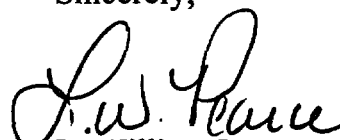
**Subject: Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Fifteenth Refueling Outage Inservice Inspection Report**

This letter forwards the Inservice Inspection (ISI) Ninety-Day Report on ASME Class 1, 2, and 3 components examined during the fifteenth refueling outage at Beaver Valley Unit No. 1. The ASME Boiler and Pressure Vessel Code, Section XI, Article IWA-6230 requires that an inservice inspection report be submitted to the enforcement and regulatory authority having jurisdiction at the plant site within ninety days after completion of an inservice inspection. The recent inservice inspection term at Beaver Valley Unit No. 1 ended on April 26, 2003.

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.

There are no new regulatory commitments contained in this submittal. If you have any questions concerning this matter, please contact Mr. Larry R. Freeland, Manager, Regulatory Affairs/Performance Improvement at 724-682-5284.

Sincerely,


L. William Pearce

Enclosure

c: Mr. T. G. Colburn, NRR Senior Project Manager
Mr. D. M. Kern, NRC 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 15, Year 2003

Inspection Term: 10/7/2001 to 4/26/2003

Issue date: 7-22-03

Owner: FirstEnergy
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:



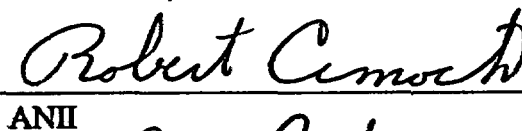
Date: 7-17-03

Reviewed by:


Supv, Predictive Maintenance & Reliability

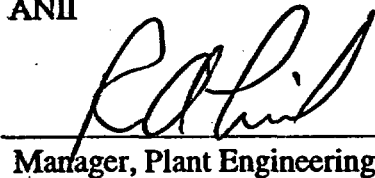
Date: 7-17-03

Reviewed by:


ANII

Date: 7/22/03

Approved by:


Manager, Plant Engineering

Date: 7/24/03

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
1A Steam Generator	Westinghouse	1031	434597V	68-45
1C Steam Generator	Westinghouse	1033	434599V	68-47
Valve MOV-1RH-700	Copes - Vulcan Inc.	1832	N/A	N/A
Valve MOV-1RH-701	Copes - Vulcan Inc.	1833	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 10/7/2001 to 4/26/2003
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) for exams performed during 1R15. 1R15 was the second outage in the 2nd Period of the 3rd Ten-Year Interval. One outage remains in this period to complete the Code percentage requirements.
14. Abstract of Results of Examination and Tests. See text of summary report.
15. Abstract of Corrective Measures. No Corrective measures resulting from NDE ISI examinations were required in 1R15

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 7-17-03 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 10/7/01 to 4/26/03 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.

[Signature: Robert C. Cernoch]
 Inspector's Signature

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

Date July 22, 2003

OUTAGE SUMMARY

During the Fifteenth Refueling Outage (1R15) at the Beaver Valley Power Station, Unit 1, Inservice Inspection (ISI) examinations were performed on Class 1 and 2 components. This was the second 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 and 2 Credited Exams (See Appendix D)

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

a. Welds (vessels, piping, and attachments)

Ultrasonic Exams	- 15
Penetrant Exams	- 4
Visual Exams	- 8

b. Class 1 bolting

Ultrasonic Exams	- 10
Mag Particle Exams	- 10
Visual Exams	- 21

c. Visual Examinations (VT-3)

Pipe Supports	- 11
Valve Bodies	- 2

2. Seventy-five (74) Class 2 exams were performed and are divided as follows:

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

Ultrasonic Exams	- 43
Surface Exams	- 8
Visual Exams	- 20

b. Supports, visual exams

- 3

Examinations were performed by FirstEnergy Nuclear Operating Company (FENOC) and contracted NDE Technicians. Appendix I compiles the examinations that have been credited toward fulfilling the Ten Year Plan requirements.

Pressure Testing

The Class 1 piping System Leakage Test was performed prior to plant start-up from 1R15. All Class 1 bolted connections were examined during 1R15. Also, Class 2 and 3 system functional and system inservice tests were performed on various systems in accordance with 40-month pressure testing requirements.

Deficiency Resolution

There were no recorded deficiencies in 1R15.

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 II 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
1R15 Completed Code Exams

SUMMARY	COMPONENT ID	CATEGORY	ITEM NO	DESCRIPTION	NDE METHOD	ISO NO
033300	CH-96-9-F-13	B-J	B09.040	SOCKET WELD	VT-2, , ,	0246A
036700	CH-97-7-S-07	B-J	B09.040	SOCKET WELD	VT-2, , ,	0247A
040000	CH-98-9-S-06	B-J	B09.040	SOCKET WELD	VT-2, , ,	0248A
053600	DG-50-R-PS-17	F-A	F01.10R	SUPPORT	VT-3, , ,	0197A
060400	DG-56-PS-3	F-A	F01.10R	SUPPORT	VT-3, , ,	0357A
072400	RC-71-LST-10	F-A	F01.10L	SUPPORT	VT-3, , ,	0348A
072800	RC-71-R-24	F-A	F01.10R	SUPPORT	VT-3, , ,	0348A
073500	RC-71-LST-7	F-A	F01.10L	SUPPORT	VT-3, , ,	0348A
075700	RC-71-SH-53	F-A	F01.10S	SUPPORT	VT-3, , ,	0348A
075800	RC-71-6-A-01	B-K	B10.020	WELDED ATTACHMENT SUPPORT R-19	PT , , ,	0348A
075900	RC-71-R-19	F-A	F01.10R	SUPPORT	VT-3, , ,	0348A
078600	RC-71-9-S-06	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0348B
085200	RC-72-4E-S-03	B-J	B09.011	BUTT WELD	UT , , ,	0348D
085400	RC-72-4E-S-06	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0348D
088600	RC-72-7-S-02	B-J	B09.011	BUTT WELD	UT , , ,	0348D
090400	RC-104-2-S-01	B-J	B09.011	BUTT WELD	UT , , ,	0350A
165500	RC-R-1-STUD-20	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
165600	RC-R-1-STUD-21	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
165700	RC-R-1-STUD-22	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
165800	RC-R-1-STUD-23	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
165900	RC-R-1-STUD-24	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
166000	RC-R-1-STUD-25	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
166100	RC-R-1-STUD-26	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
166500	RC-R-1-STUD-30	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
167100	RC-R-1-STUD-36	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
167300	RC-R-1-STUD-38	B-G-1	B06.030	BOLTING	UT ,MT , ,	E-001L
171300	RC-R-1-NUT-20	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L
171400	RC-R-1-NUT-21	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L
171500	RC-R-1-NUT-22	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L
171600	RC-R-1-NUT-23	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L
171700	RC-R-1-NUT-24	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L
171800	RC-R-1-NUT-25	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L
171900	RC-R-1-NUT-26	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L
172300	RC-R-1-NUT-30	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L
172900	RC-R-1-NUT-36	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L

APPENDIX I
1R15 Completed Code Exams

SUMMARY	COMPONENT ID	CATEGORY	ITEM NO	DESCRIPTION	NDE METHOD	ISO NO
173100	RC-R-1-NUT-38	B-G-1	B06.010	BOLTING	VT-1, , ,	E-001L
177100	RC-R-1-WASHER-20	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
177200	RC-R-1-WASHER-21	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
177300	RC-R-1-WASHER-22	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
177400	RC-R-1-WASHER-23	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
177500	RC-R-1-WASHER-24	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
177600	RC-R-1-WASHER-25	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
177700	RC-R-1-WASHER-26	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
178100	RC-R-1-WASHER-30	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
178700	RC-R-1-WASHER-36	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
178900	RC-R-1-WASHER-38	B-G-1	B06.050	BOLTING	VT-1, , ,	E-001L
191800	RC-TK-1-L-1	B-B	B02.012	LONGITUDINAL WELD	UT , , ,	E-001P
192100	RC-TK-1-C-4	B-B	B02.011	CIRCUMFERENTIAL WELD	UT , , ,	E-001P
192500	RC-TK-1-C-8	B-K	B10.010	SKIRT CIRC WELD	UT , , ,	E-001P
193100	RC-TK-1-RADIUS-6	B-D	B03.120	NOZZLE INSIDE RADIUS	VT-2, , ,	E-001P
260900	DLW-LOOP2-5-L-03	B-J	B09.012	LONGITUDINAL ELBOW WELD	UT , , ,	L-002A
261000	DLW-LOOP2-5-L-04	B-J	B09.012	LONGITUDINAL ELBOW WELD	UT , , ,	L-002A
261200	DLW-LOOP2-6-F-21	B-J	B09.011	BUTT WELD	UT , , ,	L-002A
263600	DLW-LOOP2-5-S-01	B-J	B09.011	BUTT WELD	UT , , ,	L-002A
273200	MOV-RH-700	B-M-2	B12.050	VALVE BODY	VT-3, , ,	0074A
273700	MOV-RH-701	B-M-2	B12.050	VALVE BODY	VT-3, , ,	0074A
277800	MOV-RH-701-B-1 TO 16	B-G-2	B07.070	VALVE BOLTING	VT-1, , ,	0074A
283800	SI-121-2-A-02	B-K	B10.020	WELDED ATTACHMENT SUPPORT RH-3	PT , , ,	0106A
283900	SI-121-RH-3	F-A	F01.10H	SUPPORT	VT-3, , ,	0106A
284300	SI-121-R-4	F-A	F01.10R	SUPPORT	VT-3, , ,	0106A
289900	SI-101-3B-A-07 TO 10	B-K	B10.020	WELDED ATTACHMENT SUPPORT R-24	PT , , ,	0107A
290000	SI-101-R-24	F-A	F01.10R	SUPPORT	VT-3, , ,	0107A
290100	SI-101-3B-A-11 TO 12	B-K	B10.020	WELDED ATTACHMENT LST-108	PT , , ,	0107A
290210	SI-101-LST-108	F-A	F01.10L	SUPPORT	VT-3, , ,	0107A
292000	SI-101-5-S-05	B-J	B09.011	BUTT WELD	UT , , ,	0107B
298000	SI-102-2A-F-1A	B-J	B09.040	SOCKET WELD	VT-2, , ,	0200A
300300	SI-106-1C-S-02	B-J	B09.040	SOCKET WELD	VT-2, , ,	0200B
306500	SI-29-5-S-01	B-J	B09.011	BUTT WELD	UT , , ,	0220C
309400	SI-29-9-S-02	B-J	B09.011	BUTT WELD	UT , , ,	0220C
318800	SI-74-3-F-04	B-J	B09.011	BUTT WELD	UT , , ,	0375C

APPENDIX I
1R15 Completed Code Exams

SUMMARY	COMPONENT ID	CATEGORY	ITEM NO	DESCRIPTION	NDE METHOD	ISO NO
327300	SI-73-5-F-06	B-J	B09.011	BUTT WELD	UT , , ,	0375F
330800	SI-73-8-S-01	B-J	B09.011	BUTT WELD	UT , , ,	0375F
332300	SI-104-1-F-02	B-J	B09.040	SOCKET WELD	VT-2, , ,	0376A
397700	SI-82-1-S-01	C-F-1	C05.030	SOCKET WELD	VT-2, , ,	0192A
406200	SI-85-3-A-02	C-C	C03.020	WELDED ATTACHMENT SUPPORT PS-R-17	PT , , ,	0193A
420100	CH-79-2B-S-07	C-F-1	C05.030	SOCKET WELD	VT-2, , ,	0265A
420200	CH-79-2B-S-10	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0265A
420700	CH-79-2B-F-1A-A	C-F-1	C05.021	PIPE WELD	UT , , ,	0265A
422600	CH-78-2B-S-10	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0265A
422700	CH-78-2B-S-06	C-F-1	C05.030	SOCKET WELD	VT-2, , ,	0265A
425000	CH-77-2B-S-10	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0265A
425200	CH-77-2B-S-05	C-F-1	C05.030	SOCKET WELD	VT-2, , ,	0265A
436000	CH-69-1-S-07	C-F-1	C05.021	PIPE WELD	VT-2, , ,	0267A
440000	CH-70-1-F-1X-A	C-F-1	C05.030	SOCKET WELD	VT-2, , ,	0267A
443600	CH-71-1-S-05	C-F-1	C05.021	PIPE WELD	UT , , ,	0267A
443800	CH-71-1-S-07	C-F-1	C05.021	PIPE WELD	VT-2, , ,	0267A
470350	CH-131-1-F-4X	R-A	R01.012	SOCKET WELD	VT-2, , ,	0268A
509200	CH-124-10-F-09B	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0273A
606300	SI-1-5-S-02	C-F-1	C05.011	PIPE WELD	UT , , ,	0083C
616600	SI-2-8-A-15 TO 18	C-C	C03.020	WELDED ATTACHMENT SUPPORT R-17	PT , , ,	0083C
622750	SI-26-1A-L-43	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0109A
622800	SI-26-1A-S-02	C-F-1	C05.011	PIPE WELD	UT , , ,	0109A
622850	SI-26-1A-L-44	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0109A
625200	SI-18-1-S-04	C-F-1	C05.011	PIPE WELD	UT , , ,	0109A
637900	SI-32-1G-F-1H	C-F-1	C05.011	PIPE WELD	UT , , ,	0220A
648000	SI-30-1-A-01 TO 04	C-C	C03.020	WELDED ATTACHMENT SUPPORT SH-57A	PT , , ,	0223A
650000	SI-74-1-S-02	C-F-1	C05.011	PIPE WELD	UT , , ,	0375B
659500	SHP-56-3-A-15 TO 16	C-C	C03.020	WELDED ATTACHMENT SUPPORT S-3	MT , , ,	0001A
659600	SHP-56-S-3	F-A	F01.20V	SUPPORT	VT-3, , ,	0001A
665600	SHP-57-4-L-05	C-F-2	C05.052	LONGITUDINAL WELD ALONG ELBOW	UT , , ,	0001B
665700	SHP-57-4-L-06	C-F-2	C05.052	LONGITUDINAL WELD ALONG ELBOW	UT , , ,	0001B
665800	SHP-57-4-F-07	C-F-2	C05.051	PIPE WELD	UT , , ,	0001B
666800	SHP-58-1A-A-01	C-C	C03.020	WELDED ATTACHMENT SUPPORT SH-7	MT , , ,	0001C
666900	SHP-58-SH-7	F-A	F01.20S	SUPPORT	VT-3, , ,	0001C
675800	SHP-57-5-F-08	C-F-2	C05.051	PIPE WELD	UT , , ,	0002B

APPENDIX I
1R15 Completed Code Exams

SUMMARY	COMPONENT ID	CATEGORY	ITEM NO	DESCRIPTION	NDE METHOD	ISO NO
675900	SHP-57-5-S-44	C-C	C03.020	LOWER SADDLE WELD (UPSTREAM)	MT , , ,	0002B
680000	SHP-57-5-A-01	C-C	C03.020	WELDED ATTACHMENT SUPPORT SH-15	MT , , ,	0002B
680100	SHP-57-SH-15	F-A	F01.20S	SUPPORT	VT-3, , ,	0002B
685310	SDVH-1-1-F-06	R-A	R01.011	PIPE WELD	UT , , ,	0006A
686300	RC-E-1A-N-10	C-B	C02.021	NOZZLE-TO-VESSEL WELD	UT ,MT , ,	E-001N
686400	RC-E-1A-N-10IR	C-B	C02.022	NOZZLE INSIDE RADIUS	UT , , ,	E-001N
688200	RC-E-1C-C-3	C-A	C01.010	CIRCUMFERENTIAL BUTT WELD	UT , , ,	E-001N
688700	RC-E-1C-C-8	C-A	C01.020	CIRCUMFERENTIAL BUTT WELD	UT , , ,	E-001N
696150	RH-12-1-L-15	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0074C
696200	RH-12-1-S-12	C-F-1	C05.011	PIPE WELD	UT , , ,	0074C
697500	RH-12-1-S-06	C-F-1	C05.011	PIPE WELD	UT , , ,	0074C
697550	RH-12-1-L-37	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0074C
699850	RH-4-3-L-21	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0074C
700100	RH-4-3A-F-5A	C-F-1	C05.011	PIPE WELD	UT , , ,	0074C
700800	RH-8-1-S-15	C-F-1	C05.011	PIPE WELD	UT , , ,	0074C
700850	RH-8-1-L-23	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0074C
702050	RH-8-1-L-32	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0074C
702100	RH-8-1-S-01	C-F-1	C05.011	PIPE WELD	UT , , ,	0074C
703450	RH-8-1-L-35	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0074C
703500	RH-8-1-S-11	C-F-1	C05.011	PIPE WELD	UT , , ,	0074C
707500	RH-9-1-S-14	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0075A
709200	RH-12-2-S-09	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0075A
729650	RS-4-2-L-25	R-A	R01.011	LONG WELD	UT , , ,	0078A
729700	RS-4-2-S-03	R-A	R01.011	PIPE WELD	UT , , ,	0078A
729750	RS-4-2-L-24	R-A	R01.011	LONG WELD	UT , , ,	0078A
754250	RS-1-4-L-115	R-A	R01.011	LONG WELD	UT , , ,	0079A
754300	RS-1-4-S-05	R-A	R01.011	PIPE WELD	UT , , ,	0079A
754350	RS-1-4-L-116	R-A	R01.011	LONG WELD	UT , , ,	0079A
755300	RS-25-1-F-01	C-F-1	C05.011	PIPE WELD	UT , , ,	0079B
755350	RS-25-1-L-01	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0079B
763600	RS-26-1-F-01	C-F-1	C05.011	PIPE WELD	UT , , ,	0080B
763650	RS-26-1-L-01	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0080B
907150	QS-1-2-L-207	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0113A
907200	QS-1-2-S-06	C-F-1	C05.011	PIPE WELD	UT , , ,	0113A
907210	QS-1-2-L-206	C-F-1	C05.012	LONGITUDINAL WELD	UT , , ,	0113A

APPENDIX I
1R15 Completed Code Exams

SUMMARY	COMPONENT ID	CATEGORY	ITEM NO	DESCRIPTION	NDE METHOD	ISO NO
913870	CH-57-1-S-22	R-A	R01.012	SOCKET WELD	VT-2, , ,	0170B
914850	CH-149-1-S-22	R-A	R01.012	SOCKET WELD	VT-2, , ,	1254A
916200	CH-149-1-S-17	R-A	R01.012	SOCKET WELD	VT-2, , ,	1254A
929500	CH-99-1-S-48	R-A	R01.012	SOCKET WELD	VT-2, , ,	1518A
929600	CH-100-1-S-42	R-A	R01.012	SOCKET WELD	VT-2, , ,	1538A
929700	CH-101-1-S-38	R-A	R01.012	SOCKET WELD	VT-2, , ,	1510A

APPENDIX II

**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>
1234	1CH-P-1C	01-002679-000	Replacement
.	.	01-002679-003	.
.	.	01-002679-009	.
.	.	01-002679-010	.
.	.	01-017090-000	.
1401	MOV-1SI-867B	01-001267-000	Replacement
1414	1FP-827	01-000636-000	Replacement
1425	ISI-23	01-002087-000	Replacement
1431	REJ-1RW-6B	01-008322-007	Replacement
1446	MOV-1SI-864B	01-018384-000	Replacement
1448	1CH-24	00-020909-000	Replacement
1457	1RW-58	00-027103-000	Replacement
1458	1RW-57	00-031420-000	Replacement
1461	1CH-23	01-012888-000	Repair
1473	1CH-P-1B	01-002995-000	Replacement
.	.	01-002995-003	.
.	.	01-002995-013	.
1476	1WR-P-1A	DCP-2424	Replacement
1530	1RH-P-1B	DCP-2372	Replacement
1533	CH-67	02-008845-000	Replacement
1553	REJ-1RW-6C	01-017688-000	Replacement
1550	1RW-57 (Spare)	00-031420-004	Repair
1554	RV-1CH-203	00-030552-000	Replacement
1555	RV-1RH-721	02-007348-000	Replacement
.	.	02-007348-001	.
1557	1MS-80	02-003619-000	Replacement
1558	1MS-81	02-003620-000	Replacement
1559	1MS-82	02-003621-000	Replacement
1560	1RW-142	02-013001-000	Replacement
1562	1RW-59	01-017620-000	Replacement
1564	WR-16	02-023599-000	Repair
1565	PCV-1MS-101A	01-025697-000	Replacement
1566	PCV-1MS-101B	01-000007-000	Replacement
1567	PCV-1MS-101C	01-000008-000	Replacement
1568	HCV-1MS-104	02-001871-000	Replacement

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>MARK NUMBER</u>	<u>WORK ORDER NO.</u>	<u>COMMENTS</u>
1571	WR-43	ECP-02-0005	Replacement
.	WR-55	.	.
.	WR-53	.	.
.	WR-181	.	.
.	WR-182	.	.
.	WR-402	.	.
.	WR-403	.	.
.	1RW-YS-16A	.	.
.	1RW-YS-16B	.	.
.	1RW-YS-18A	.	.
.	1RW-YS-18B	.	.
.	1RW-125	.	.
.	1RW-126	.	.
.	1RW-127	.	.
.	1RW-128	.	.
.	1RW-129	.	.
.	1RW-130	.	.
.	1RW-131	.	.
.	1RW-132	.	.
.	1RW-647	.	.
.	1RW-648	.	.
.	1RW-646	.	.
.	1RW-646	.	.
.	1RW-452	.	.
.	1RW-885	.	.
.	1RW-453	.	.
.	1RW-886	.	.
1575	WR-16	02-024734-000	Repair
1577	1RS-E-1A	02-004127-000	Repair
1578	1RS-E-1C	02-004126-000	Repair
1579	1CH-21	02-015303-000	Replacement
1580	1MS-16	01-018181-000	Replacement
1581	1RH-E-1A	00-008488-000	Replacement
1582	REJ-1RW-27B	02-009202-000	Replacement
1583	RV-1CH-382A	03-002761-000	Replacement
1584	MOV-1RH-700	01-016490-000	Replacement
1585	MOV-1RH-701	01-016495-000	Replacement
1586	1RC-50	ECP-03-0151	Replacement
1587	RV-1RC-551C	02-007347-000	Replacement
1592	REJ-1RW-7B	02-009204-000	Replacement
1593	REJ-1RW-7D	02-009205-000	Replacement
1594	PCV-1MS-101A	02-025059-000	Replacement
1595	PCV-1MS-101C	02-025060-000	Replacement
1596	1RW-193	ECP-02-0390	Replacement

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>MARK NUMBER</u>	<u>WORK ORDER NO.</u>	<u>COMMENTS</u>
1597	1RW-194	ECP-02-0390	Replacement
1598	1RW-195	ECP-02-0390	Replacement
1599	1RW-196	ECP-02-0390	Replacement
1600	1SI-7	03-005622-000	Replacement
1601	1RS-158	02-003705-000	Replacement
1602	1SI-94	03-004180-000	Replacement
1603	1RH-10	02-024904-000	Replacement
1604	MOV-1RW-103B	01-011267-000	Replacement
1605	1RW-108	ECP-02-0279	Replacement
1606	1RW-107	01-003632-000	Replacement
1607	1RC-R-1	P.O. 7103212	Repair
1608	TV-1MS-101A	02-000959-000	Replacement
1609	TV-1MS-101C	02-003902-000	Replacement
1610	NRV-1MS-101A	02-011653-000	Replacement
1611	NRV-1MS-101C	02-011652-000	Replacement
1614	1RC-E-1A	P.O. 7024829	Repair
1615	1RC-E-1B	P.O. 7024829	Repair
1616	1RC-E-1C	P.O. 7024829	Repair
1617	1CH-181	01-002083-000	Replacement
"	"	01-002083-001	"
1621	1RW-109	ECP-02-0279	Replacement
1626	RC-PSSP-20	02-009332-000	Replacement
"	RC-HSS-119	"	"
1627	RC-PSSP-24B	02-009333-000	Replacement
"	RC-HSS-42A-B	"	"
"	RC-HSS-302	"	"
"	RC-HSS-23	"	"
1628	WGCB-H-47A	02-009336-000	Replacement
"	WGCB-PSSP-46H	"	"
"	WGCB-PSSP-46E	"	"
"	WGCB-PSSP-55E	"	"
"	WGCB-PSSP-55G	"	"
"	WGCB-PSSP-200A	"	"
"	WGCB-PSSP-46G	"	"
1629	CC-PSSP-300B	02-009337-000	Replacement
"	CC-PSSP-300A	"	"
1630	CC-HSS-001A	02-009339-000	Replacement
1631	CC-HSS-406A	02-009340-000	Replacement
1632	FC-HSS-201	02-009341-000	Replacement
1633	FC-HSS-5A	02-009342-000	Replacement
1634	WFPD-HSS-230	02-009351-000	Replacement
"	WFPD-HSS-231	"	"

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>MARK NUMBER</u>	<u>WORK ORDER NO.</u>	<u>COMMENTS</u>
1635	RH-HSS-203	02-009355-000	Replacement
▪	RH-HSS-403	▪	▪
▪	RH-HSS-402	▪	▪
1636	RH-HSS-108	02-009356-000	Replacement
1637	WR-HSS-312	02-009358-000	Replacement
1638	WR-HSS-300	02-009359-000	Replacement
1639	SI-HSS-423	02-009361-000	Replacement
▪	SI-HSS-418	▪	▪
▪	SI-HSS-419	▪	▪
1640	SI-HSS-409	02-009362-000	Replacement
1641	WR-HSS-304B	02-009373-000	Replacement

Form No. 1234

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 05/19/2003
(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. Nos: 01-002679-000, -003, -009, -010, 01-017090-000
(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 "
4. Identification of System Chemical and Volume Control (Q2)
5. (a) Applicable Construction Code Draft Pump & Valve 1968 Edition, Addenda, S'68 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)
Pump	Pacific Pumps	46353	N/A	1CH-P-1C	1976	Replaced	No
Pump	Pacific Pumps	49191	112	1CH-P-1C	1976	Replacement	Yes
Discharge Head	Flowserve Corp.	RLSA02935	N/A	N/A	2002	Replacement	Yes
Seal Housing	Ingersoll-Rand	N/A	N/A	N/A	2001	Replacement	No
Seal Housing	Ingersoll-Rand	N/A	N/A	N/A	2001	Replacement	No

7. Description of Work Replaced pump, discharge head, inboard & outboard seal housings and cap-screws, discharge head studs/nuts, inlet & outlet flange studs/nuts, sections of lube oil piping and reworked support.

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

FORM NIS-2 (Back)

9. Remarks No Pump Code Data Reports available. Replaced with spare for overhaul. Replaced sections of pump lube oil piping to eliminate threaded joints that were leaking per Code Case N-416-1. Pump S/N 49191 was manufactured to ASME Sect. III 71E-S72A. All studs, nuts, and capscrews were supplied by Nova Machine to ASME Sect. III Class 1, 1989E.
- *Year installed. Flowserve repaired two pump casing/feet and supplied a new discharge head per P.O. 7055301.

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] Sarah Eyr Date May 19, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 5/24/02 to 5/30/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date May 30, 20 03

Form No. 1401

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 07/16/03Sheet 1 of 1

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

Unit No. 1

W.O. #01-001267-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENOC-Maintenance Serv.
(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 B16.5 19 Edition, 1968 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	Westinghouse	*	W17450	MOV-ISI-867B	1978	Replaced	Yes
Gate Valve	Flowserve	E318T-1-2	N/A	MOV-ISI-867B	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 Reports available. Previous NIS-2 Data Report No: 637. Valve was
replaced in accordance with Code Case N-416-1 and ECP-11. Original valve was designed and
manufactured to ASME Section III but installed into an ANSI B31.1 system. 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

Robert Amodeo

Senior Eng.

Date

July 16, 20 03

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 8/28/02 to 7/16/03, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions

NB7509(N,I) PA 2162

National Board, State, Province, and Endorsements

Date

July 16, 20 03

Form No. 1414

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 04/23/03
(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. #01-000636-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By FENOC-Maint. Services Type Code Symbol Stamp N/A
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date "
4. Identification of System Fire Protection (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	Atwood & Morrill	1-50627-A	N/A	IFP-827	2003	Replacement	No
Pipe	Tioga	N/A	N/A	Ht #A62363	2003	Replacement	No

7. Description of Work Replaced valve and section of pipe upstream with spares.

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. Replacement was in accordance with Code Case N-416-1.

Valve was replaced and reoriented along the pipeline per ECP-00024. *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 ½-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

[Signature]

Senior Eng.

Date April 23, 20 03

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 6/19/02 to 4/24/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

April 24, 20 03

Form No. 1425

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 04/22/03
(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. 01-002087-000
(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 *
4. Identification of System Safety Injection (Q1)
5. (a) Applicable Construction Code ANSI B16.5 19 Edition, 68 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	<i>Velur</i>	N/A	N/A	ISI-23	1976	Replaced	No
Studs	Nova Machine	N/A	N/A	Ht #13698-B284	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	N/A	2003	Replacement	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 Reports 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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/AExpiration Date N/A

Signed [Signature] Senior Engr. Date April 22, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/17/03 to 4/25/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date

April 25, 20 03

Form No. 1431

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 02/11/02
(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 WO# 01-008322-007
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By FENCO Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA Authorization No. N/A
(ADDRESS) Expiration Date _____
4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S72 Addenda, N/A

(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	2000	Repaired	No
Nuts, 1-1/8-8	NOVA Machine	N/A	N/A	N/A	2001	Replacement	No
Studs, 1-1/8-8	NOVA Machine	N/A	N/A	N/A	2001	Replacement	No

7. Description of Work Removal and re-installation of rubber expansion joint and replacement of 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. Previous NIS-2 Code Data Report No. 1325.

* 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 Archie Proffitt Nuclear Inspector Date February 11, 20 02
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 7/24/01 to 2/21/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 Feb 21, 20 02

Form No. 1446

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

1. Owner F.E.N.O.C. Date 06/13/2003
(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. #01-018384-000
(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

4. Identification of System Safety Injection (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 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	Crane Valve	N/A	N/A	MOV-1SI-864B	1976	Replacement	No
Studs	Nova Machine	N/A	N/A	N/A	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	N/A	2003	Replacement	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 Reports 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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed *Dennis F. Webb* Senior Eng. Date June 13, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 4/11/03 to 6/16/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date

June 16, 20 03

Form No. 1448

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 07/18/02Sheet 1 of 1

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

Unit No. 1

W.O. #00-020909-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date *4. Identification of System Chemical and 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	Velan	N/A	N/A	1CH-24	1976*	Replaced	No
Check Valve	Velan	2232	N/A	1CH-24	2002	Replace-ment	No

7. Description of Work Replaced valve with spare and pipe nipple.

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. New valve was designed to ANSI B16.34. Previous
NIS-2 Data Report No. 897. *Year installed. New pipe nipple was Ht #PX032 on P.O. #7071862.
Replacement was in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed *Donna J. DeRosa* Senior Engr. Date July 18, 20 02
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 9/14/01 to 7/26/02, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions

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

Date July 26, 20 02

Form No. 1457

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 04/30/2002
(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. #00-027103-000
(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
4. Identification of System River Water (Q3)
5. (a) Applicable Construction Code ANSI B16.5, 19 1981 Edition, N/A 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	Atwood & Morrill	1-10674-01	N/A	1RW-58	1996	Repaired	No
Stud	Nova Machine	N/A	N/A	Ht #B843	2001	Replacement	No
Nut	Nova Machine	N/A	N/A	Ht #13616 / TR8	2001	Replacement	No

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

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No: 971.

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

Owner or Owner's Designee, Title

Lead Eng.

Date April 30, 20 02

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 5/8/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

May 8, 20 02

Form No. 1458

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

1. Owner F.E.N.O.C.
(NAME)Date 05/07/200276 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 22. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)W.O. #00-031420-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By FENOC-Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System River Water (Q3)5. (a) Applicable Construction Code B16.5 19 1981 Edition, N/A 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	C&S Valve	92-2019-059-012	N/A	IRW-57	1992	Replaced	No
Check Valve	Crane Nuclear	D0479	N/A	IRW-57	2002	Replacement	Yes

7. Description of Work Replaced valve with spare.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No. 508. An ASME Sect. III
Class 3 1974E-S'74A valve was installed into an ANSI B31.1 67E-S'71A system.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 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 Expr. Date May 7, 20 02
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/10/02 to 5/8/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 May 8, 20 02

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

Pg. 1 of 2

1. Manufactured and certified by CRANE Nuclear, Inc., 860 Remington Boulevard, Bolingbrook, IL 60440
(name and address of NPT Certificate Holder)
2. Manufactured for First Energy Corporation, PO Box 345 Shippingport, PA 15077
(name and address of purchaser)
3. Location of installation Beaver Valley Nuclear Plant, Route 168, On-Site Storeroom, Shippingport, PA 15077
(name and address)
4. Model No., Series No., or Type D00-M1291-00 Drawing CB02778 Rev. C CRN N/A
5. ASME Code, Section III, Division 1: 1974 Summer 1974 3 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Duo-Chek Valve Nominal inlet size 20 Outlet size 20
(in.) (in.)

7. Material:

(a) valve Body	<u>SA351 CF3M</u>	Bonnet	<u>N/A</u>	Disk	<u>SA351 CF3M</u>	Bolting	<u>SA479 TP 316A</u>
(b) pump Casting		Cover		Bolting			

(a)
Cert.
Holder's
Serial No.

(b)
Nat'l.
Board
No.

(c)
Body/Casing
Serial
No.

(d)
Bonnet/Cover
Serial
No.

(e)
Disk
Serial
No.

D0479

N/A

D0480

N/A

D0481 & D0482

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

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

Certificate Holder's Serial No. D0479

- 8 Design conditions _____ psi _____ °F or valve pressure class ANSI 150 (1)
 (pressure (temperature)
- 9 Cold working pressure 275 psi at 100°F
- 10 Hydrostatic test 425 psi. Disk differential test pressure 305 psi
- 11 Remarks: PO No. 7073812, Rev. 0, Item No. 1 SO No. 13665-01
 Mark No.: Valve ID: VC1015-C-3

CERTIFICATION OF DESIGN

Design Specifications certified by Walter Joseph Parker, Jr. P.E. State PA Reg. no. 29003-E
 Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2899 Expires September 24, 2002
 Date 02/22/02 Name CRANE Nuclear, Inc. Signed Jerome A. Kurowski, P.E.
 (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 Illinois and employed by Factory Mutual Insurance Company of Johnston, RI have inspected the pump, or valve, described in this Data Report on 02/22/02 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 loss of any kind arising from or connected with this inspection.

Date 02/22/02 Signed James Bush Commissions IL 1077
 (Authorized Nuclear Inspector) (Natl. Bd. (incl. endorsements) and state or prov. and no.)
 James Bush

(1) For manually operated valves only.

Form No. 1461

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 02/20/02
(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 WO# 01-012888-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By FENCO Maintenance Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA Authorization No. N/A
(ADDRESS) Expiration Date _____
4. Identification of System Chemical and Volume Control (Q2)
5. (a) Applicable Construction Code ANSI B 16.5 19 68 Edition, N/A Addenda, N/A
 Code Case See N-5
 (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	6986	N/A	Heat # H9871	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 Repair 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 Richard L. Proffitt Nuclear Inspector Date 02/20, 2002
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/16/01 to 2/26/02, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimnoch Commissions NB2509(NI)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 26, 2002

Form No. 1473

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 05/20/2002
(NAME)
76 South Main Street - Akron, OH 44308
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. Nos: 01-002995-000, -003, -013
(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
4. Identification of System Chemical and Volume Control (Q2)
5. (a) Applicable Construction Code Draft Pump & Valve 1968 Edition, Addenda, S'68 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)
Pump	Pacific Pumps	46352	N/A	1CH-P-1B	1976	Replaced	Yes
Pump	Pacific Pumps	49192	114	1CH-P-1B	1976	Replacement	Yes
Discharge Head	Flowserve Corp.	RLSA01667	N/A	N/A	2001	Replacement	Yes
Seal Housing	Ingersoll-Rand	B6072	N/A	N/A	2000	Replacement	No
Seal Housing	Ingersoll-Rand	—	N/A	N/A	2000	Replacement	No

7. Description of Work Replaced pump, discharge head, inboard & outboard seal housings and cap-screws, discharge head studs/nuts, inlet & outlet flange studs/nuts, sections of lube oil piping and reworked support.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached. Previous NIS-2 Data Report No. 699. Replaced with spare
for overhaul. Replaced sections of pump lube oil piping to eliminate threaded joints that were
leaking per Code Case N-416-1. Pump S/N 49192 was manufactured to ASME Sect. III 71E-S72A.
All studs, nuts, and capscrews were supplied by Nova Machine to ASME Sect. III Class 1, 1989E.

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

Roman [Signature]
 Owner or Owner's Designee, Title

Senior Engineer

Date

July 17

20 02

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
 and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
 Owner's Report during the period 11/30/01 to 8/19/02 and state that to the
 best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Aug 19, 20 02

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COAST INDUSTRIAL

(3) Other Parts

8. Hydrostatic test _____ 375 LP psi.

INVEST. NO. 548-549-1122-2
 DWG. NO. 49190 REV. 0
 SPIN. NO. 200-CLARK-03
 SER. NO. 49192
 ITEM NO.

(1) Signature not required. List name only.

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

Date Feb. 19, 1976 Signed PACIFIC PUMPS DIVISION
(Manufacturer)

QUALITY ASSURANCE MANAGER

Certificate of Authorization No. 1207 expires SEPT. 8, 1978

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of CALIFORNIA and employed by DIVISION OF INDUSTRIAL SAFETY of CALIFORNIA have inspected the equipment described in this Data

of _____ CALIFORNIA _____ have inspected the equipment described in this Data Report on 2-19-76 _____ 19_____, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

2-19-76

W. J. Miller

Commissaires

KB-3656

(National Health, Safety, Environment and Public)

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

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

Pg. 1 of 2

Manufactured and certified by FLUORCORP CORPORATION, ROTATING EQUIPMENT DIVISION, NUCLEAR PRODUCTS DIVISION
5300 EAST VERNON AVE., VERNON, CA 94058

(Name and address of NPT Certificate Holder)

2. Manufactured for FIRST ENERGY CORP., 76 SOUTH MAIN STREET, AKRON, OH 44308

(Name and address of Purchaser)

3. Location of installation BEAVER VALLEY STOREROOM, PENNSYLVANIA POWER CO. ROUTE 168, ON-SITE STOREROOM, SHIPPINGPORT, PA 15077

(Name and address)

4. Type: D73894 REV. 3 SA-182 F304 75,000 PSI N/A 2001
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1971 SUMMER 1972 2 N/A
(edition) (addenda date) (class) (Code Case no.)

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

7. Remarks: SALES ORDER NO: RLCA00505 NOMENCLATURE: DISCHARGE HEAD

CONSISTING OF: HEAD, MAT'L TYPE: SA-182 F304, BYPASS PIPE, MAT'L TYPE: SA312 GR.304L

AND BYPASS FLANGE, MAT'L TYPE: SA-182 F304

8. Nom. thickness (in.) 4.625 Min. design thickness (in.) 4.500 Dia. OD (ft & in.) 1'10" Length overall (ft & in.) 0'9.375"

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

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>RLSA01667</u>	<u>N/A</u>
(2)	
(3)	
(4)	
(5)	
(6)	
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(21)	
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(23)	
(24)	
(25)	

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

Design pressure 2800 psi. Temp. 300 °F. DISCH. SIDE 4960-5260 SUCT. SIDE 375-400/77
Hydro. tes. pressure (when applicable) at temp.

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

2-82.

This form (ECC-24C) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Certificate Holder's Serial Nos. RLSA01667 through

CERTIFICATION OF DESIGN

Design specifications certified by ALBERT JOHN WETTLAUFER P.E. State PA Reg. no. 13335-E
(when applicable)Design report* certified by JOHN R. LIGHTLE P.E. State N/A Reg. no. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

I certify that the statements made in this report are correct and that this ~~report~~ DISCHARGE HEAD
informs to the rules of construction of the ASME Code, Section III, Division 1.PT Certificate of Authorization No. N-1131 Expires JUNE 10, 2002Date 30 Sept 2001 Name FLORSERVE CORPORATION Signed David J. Gimm
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF INSPECTION

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 BSBI & I CO.at HARTFORD, CT have inspected these items described in this Data Report on 9-30-01, and state that to the
best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section
Division 1. Each part listed has been authorized for stamping on the date shown above.By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described
in the Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or
of any kind arising from or connected with this inspection.Date 9-30-01 Signed Windy F. Reyes Commissions CA1526 NB9435N
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Form No. 1476

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 28 April 03
(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 DCP-2424
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Mechanical Type Code Symbol Stamp N/A
Maintenance (NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, Summer Addenda, N-416-1 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)
Pump	Johnston Pump	01JC1702S	N/A	1WR-P-1A	2001	Replacement	N

7. Description of Work Replacement of pump.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 135 psi Test Temp. Ambient °F

9. Remarks _____

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 Scott C Weakland, Advanced Nuclear Engineer Date 28 April, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 6/11/02 to 5/19/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions NB-7509 (N.I.) PA2162
National Board, State, Province, and Endorsements

Date May 19, 20 03

Form No. 1530

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 2/27/02
- Sheet 1 of 1
2. Plant Beaver Valley Power Station
(NAME)
Shippingport, PA 15077
(ADDRESS)
- Unit No. BVPS 1
- DCP 2372, P.O. 7052594
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By FirstEnergy
(NAME)
Shippingport, Pa. 15077
(ADDRESS)
- Type Code Symbol Stamp N/A
- Authorization No. N/A
- Expiration Date N/A
4. Identification of System Residual Heat Removal (Class 2)
5. (a) Applicable Construction Code ASME 1971 Edition, S72 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)
Residual Heat Removal Pump	Ingersoll-Rand	1170-21	N/A	1RH-P-1B	1976	N/A	YES
Residual Heat Removal Pump Stuffing Box Extension	Flowserve	RLSA01563-1	N/A	1RH-P-1B	2001	Replacement	YES
Residual Heat Removal Pump Mechanical Seal Flange	Flowserve	RLSA01563	N/A	1RH-P-1B	2001	Replacement	YES

7. Description of Work Replaced pump's mechanical seal, stuffing box extension (SBE), pump shaft, impeller, Modified pump diffuser.

8. Tests Conducted: Hydrostatic ☒ (SBE & Seal by Flowserve) Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure 930 psi Test Temp. 77 °F

FORM NIS-2 (Back)

9. Remarks Applicable Manufacturer's Data Reports attached.1RH-P-1B was modified during refueling outage 1R14.Mechanical seal cooler vent valve, RH-204, and the seal cooling water supply and return tubing/pipng, RH-39 & RH-40, were also replaced, these components were leak tested @ 125 psi & 106F.

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 Jay Gazdacko, Senior Nuclear Engineer *J. Gazdacko* Date 2/27, 2002
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/14/02 to 3/28/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date March 28, 2002

Form No. 1533

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 05/13/2002
(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. #02-008845-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By FENOC-FIN Maintenance Type Code Symbol Stamp N/A
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Chemical and Volume Control (Q2)
5. (a) Applicable Construction Code ANSI B 31.1 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)
Piping	FENOC	N/A	N/A	CH-67	2002	Replacement	No

7. Description of Work Replaced spoolpiece consisting of section of pipe and two elbows.

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. Pipe and elbows were replaced in accordance with Code
Case N-416-1. Replaced pipe (item 1) and two elbows (item 2) on drawings 6.24-277/ISI-0277C.

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 Egr. Date May 13, 20 02
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/3/02 to 5/15/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date May 15, 20 02

Form No. 1550

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 07/16/0376 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. 00-031420-004
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By FENOC-Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date 4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B16.5 19 81 Edition, N/A 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	Crane Nuclear	92-2019-05Q-02	N/A	1RW-57 (Spare)	1992	Repaired	No

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

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 1458 and 508.

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

Certificate of Authorization No. N/A

Expiration Date N/A

Signed *Donna F. [Signature]* *Senior Eng.* Date July 16, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 7/1/02 to 7/22/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions

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

Date

July 22, 20 03

Form No. 1553

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 05/31/03
(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. #01-017688-000
(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 "
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 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)
Expansion Joint	Goodall	N/A	N/A	REJ-1RW-6C	1997	Replaced	No
Expansion Joint	Garlock	N/A	N/A	REJ-1RW-6C	2002	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #C772	2002	Replacement	No

7. Description of Work Replaced Rubber Expansion Joint and studs.

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: 982, and 613.

*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] Senior Eng. Date May 31, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 7/1/02 to 6/2/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions NB7589(N.I) PA 2162
National Board, State, Province, and Endorsements

Date June 2, 20 03

Form No. 1554

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 04/29/03
(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. 00-030552-000
(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 Section VIII 19 65 Edition, 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)
Relief Valve	Crosby	61680-003	N/A	RV-1CH-203	1990	Replaced	No
Relief Valve	Crosby	N69972-00-0016	N/A	RV-1CH-203	2003	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 Reports available. Previous NIS-2 Data Report Nos: 1016, 768, 757, 445,
318, and 164.

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] Senior Eng. Date April 29, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 7/10/02 to 5/12/03, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date May 12, 20 03

Form No. 1555

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 07/16/03
(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. #02-007348-000, -001
(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 "
4. Identification of System Residual Heat Removal (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)
Relief Valve	Crosby	N69973-01-0001	N/A	RV-1RH-721	1988	Replaced	No
Relief Valve	Crosby	53237MI	N/A	RV-1RH-721	1976*	Replacement	No

7. Description of Work Replaced 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 No: 1253. *Year installed.

Valve is 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 ½-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"

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

Signed

Robert C. Smith Senior Eng.
Owner or Owner's Designee, Title

Date July 16, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/23/03 to 7/16/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert C. Smith
Inspector's Signature

Commissions

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

Date

July 16, 20 03

Form No. 1557

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 04/26/03
(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. 02-003619-000
(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 N/A
4. Identification of System Main Steam (Q2)
5. (a) Applicable Construction Code ANSI B16.5/16.34 19 73 Edition, N/A 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	Crane	N/A	N/A	IMS-80	1976	Replacement	No
Hinge Pin Plug	Crane	N/A	N/A	N/A	2003	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #D112	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #F312	2003	Replacement	No
Disc	Crane	N/A	N/A	Ht #3859-3	2003	Replacement	No

7. Description of Work Replaced valve hinge pin plug, disc, and cover 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 Reports available. Previous NIS-2 Code Data Report Nos: 1406, 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 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] Senior Eng. Date April 26, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/18/03 to 5/15/03, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date May 15, 20 03

Form No. 1558

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 05-19-03
(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. 02-003620-000
(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 Main Steam (Q2)
5. (a) Applicable Construction Code ANSI B16.5/16.34 19 73 Edition, N/A 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	Crane	N/A	N/A	IMS-81	1976	Replacement	No
Studs	Nova Machine	N/A	N/A	N/A	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	N/A	2003	Replacement	No

7. Description of Work Replaced body to bonnet studs and nuts, re-seal welded hinge pin plug.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Code Data Report Nos: 1407, 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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/AExpiration Date N/A

Signed



Owner or Owner's Designee, Title

Lead Engineer

Date

May 19, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/8/03 to 6/2/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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



Inspector's Signature

Commissions

NB7509(N,I)PA2162

National Board, State, Province, and Endorsements

Date

June 2, 20 03

Form No. 1559

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 04/26/03
(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. 02-003621-000
(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 N/A
4. Identification of System Main Steam (Q2)
5. (a) Applicable Construction Code ANSI B16.5/16.34 19 73 Edition, N/A 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	Crane	N/A	N/A	IMS-82	1976	Replacement	No
Hinge Pin Plug	Crane	N/A	N/A	N/A	2003	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #D112	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	B870350-B541	2003	Replacement	No

7. Description of Work Replaced valve hinge pin plug, and cover 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 Reports available. Previous NIS-2 Code Data Report Nos: 1408, 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 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] Senior Eng. Date April 26, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/18/03 to 5/15/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

May 15, 20 03

Form No. 1560

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

1. Owner F.E.N.O.C.
(NAME)Date 06-23-200376 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. #02-013001-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By FENOC-Maintenance Serv.
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization 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)
Ball Valve	Anchor-Darling	EZ603-1-7	N/A	1RW-142	1995	Replaced	No
Ball Valve	Anchor-Darling	E618T-1-1	N/A	1RW-142	2002	Replacement	No
Tee	Tioga Pipe	N/A	N/A	Ht #LXVZ-2	2002	Replacement	No
Pipe	Tioga Pipe	N/A	N/A	Ht #869681	2002	Replacement	No

7. Description of Work Replaced valve, pipe and tee with spares.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No. 905. Replacement in accordance with Code Case N-416-1. Valve 1RW-142 is manufactured to ANSI B16.34-1988E.

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 Donna F. L. Senior Eng. Date June 23, 20 03
(Owner or Owner's Designee, Title)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 8/7/02 to 6/30/03 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date June 30, 20 03

Form No. 1562

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

1. Owner F.E.N.O.C. Date 06-23-2003
(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. #01-017620-000
(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 "
4. Identification of System River Water (Q3)
5. (a) Applicable Construction Code ANSI B31.1 19 73 Edition, N/A 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	C & S Valves	92-2019-05Q-01	N/A	1RW-59	1992	Replaced	No
Check Valve	Crane Nuclear	D0561-00-M1291-00	N/A	1RW-59	2002	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 Reports available. Previous NIS-2 Data Report No. 578.

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] Senior Eng Date July 16, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 7/24/02 to 7/16/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 July 16, 20 03

Form No. 1564

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

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

Date 06/13/2003Sheet 1 of 1

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

Unit No. 1

W.O. #02-023599-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENOC-Maintenance
(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, 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)
Piping	Bechtel	N/A	N/A	WR-16	1993	Repaired	No

7. Description of Work Repaired pinhole leak in weld #WR-16-F-1.

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. Repair was in accordance with Code Case N-416-1.

Previous NIS-2 Data Report Nos: 713 and 693.

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

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

Donna P. White
Owner or Owner's Designee, Title

Senior Eng.

Date

June 13, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 11/5/02 to 6/23/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Amoch
Inspector's Signature

Commissions

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

Date

June 23, 20 03

Form No. 1565

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

1. Owner F.E.N.O.C. Date 06/20/2003
(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. #01-025697-000
(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 "
4. Identification of System Main Steam (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 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)
Valve	Copes-Vulcan	701095096-1-1	N/A	PCV-1MS-101A	1976	Replaced	No
Plug	Copes-Vulcan	N/A	N/A	N/A	2002	Replacement	No

7. Description of Work Replaced valves trim (plug assembly and seat ring).

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 825, 660, 462, 289,
and 178. *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

Robert C. Amock
Owner or Owner's Designee, Title

Senior Eng.

Date

June 20, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 11/14/02 to 6/23/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions

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

Date

June 23, 20 03

Form No. 1566

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

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

Date 06/25/2003Sheet 1 of 1

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

Unit No. 1

W.O. #01-000007-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date "4. Identification of System Main Steam (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 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)
Valve	Copes-Vulcan	701095096-1-2	N/A	PCV-1MS-101B	1976	Replaced	No
Plug	Copes-Vulcan	347829-DL02-4	N/A	N/A	2002	Replacement	No

7. Description of Work Replaced valves trim (plug assembly and seat ring).

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 661, 463, and 290.*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 ReplacementType Code Symbol Stamp per 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/AExpiration Date N/A

Signed



Owner or Owner's Designee, Title

Senior Eng.

Date

June 25

, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 11/14/02 to 6/30/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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



Inspector's Signature

Commissions

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

Date

June 30, 20 03

Form No. 1567

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

1. Owner F.E.N.O.C. Date 06/19/2003
(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. #01-000008-000
(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 _____
4. Identification of System Main Steam (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 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)
Valve	Copes-Vulcan	701095096-1-3	N/A	PCV-IMS-101C	1976	Replaced	No
Plug	Copes-Vulcan	N/A	N/A	N/A	2002	Replacement	No

7. Description of Work Replaced valves trim (plug assembly and seat ring).

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 826, 662, 464, and

169. *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

Robert Amos

Senior Eng.

Date

June 19, 20 03

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 11/14/02 to 6/23/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Amos

Inspector's Signature

Commissions

NB7509(N,I) PA2162

National Board, State, Province, and Endorsements

Date

June 23, 20 03

Form No. 1568

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

1. Owner F.E.N.O.C. Date 06-23-2003
(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. #02-001871-000
(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 "
4. Identification of System Main Steam (Q2)
5. (a) Applicable Construction Code ANSI B16.5 19 Edition, 1968 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)
Globe Valve	Masoneilan	H-49378-264	N/A	HCV-IMS-104	1976	Replacement	No
Plug	Masoneilan	N/A	N/A	Ht #55426	2002	Replacement	No

7. Description of Work Replaced valve trim (plug and cage).

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 827, and 149.

*Year built.

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 *Robert P. Vetter* Senior Eng. Date June 23, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 11/14/02 to 6/30/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date June 30, 20 03

Form No. 1571

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

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

Date 04-25-03Sheet 1 of 3

2. Plant Beaver Valley Power Station
(Name)
Shippingport, PA 15077
(Address)

Unit No. 1

ECP-02-0005
Repair Organization P.O. No., Job No., etc.

3. Work Performed By BVPS-Construction
(Name)
Shippingport, PA 15077
(Address)

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, Summer Addenda, N-416-1 Code Case
72
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	6"-WR-043-157W-Q3	2003	Replacement	No
Pipe	N/A	N/A	N/A	6"-WR-055-157W-Q3	2003	Replacement	No
Pipe	N/A	N/A	N/A	6"-WR-053-157W-Q3	2003	Replacement	No
Pipe	N/A	N/A	N/A	6"-WR-181-157W-Q3	2003	Replacement	No
Pipe	N/A	N/A	N/A	6"-WR-182-157W-Q3	2003	Replacement	No
Pipe	N/A	N/A	N/A	3"-WR-402-157W-Q3	2003	Replacement	No
Pipe	N/A	N/A	N/A	3"-WR-403-157W-Q3	2003	Replacement	No
Strainer	YARWAY	D01114-0004	N/A	1RW-YS-16A	2003	Replacement	No
Strainer	YARWAY	D01114-0002	N/A	1RW-YS-16B	2003	Replacement	No

Strainer	YARWAY	D01114-0001	N/A	1RW-YS-18A	2003	Replacement	No
Strainer	YARWAY	D01114-0003	N/A	1RW-YS-18B	2003	Replacement	No
Valve	BNL Industries	B021016-1-11	N/A	1RW-125	2003	Replacement	No
Valve	BNL Industries	B021016-1-1	N/A	1RW-126	2003	Replacement	No
Valve	BNL Industries	B021016-1-10	N/A	1RW-127	2003	Replacement	No
Valve	BNL Industries	B021016-1-2	N/A	1RW-128	2003	Replacement	No
Valve	BNL Industries	B021016-1-9	N/A	1RW-129	2003	Replacement	No
Valve	BNL Industries	B021016-1-6	N/A	1RW-130	2003	Replacement	No
Valve	BNL Industries	B021016-1-7	N/A	1RW-131	2003	Replacement	No
Valve	BNL Industries	B021016-1-8	N/A	1RW-132	2003	Replacement	No
Valve	BNL Industries	B021016-2-1	N/A	1RW-647	2003	Replacement	No
Valve	BNL Industries	B021016-2-2	N/A	1RW-648	2003	Replacement	No
Valve	BNL Industries	B021016-1-5	N/A	1RW-646	2003	Replacement	No
Valve	BNL Industries	B021016-4-3	N/A	1RW-452	2003	Replacement	No
Valve	BNL Industries	B021016-4-1	N/A	1RW-885	2003	Replacement	No
Valve	BNL Industries	B021016-4-2	N/A	1RW-453	2003	Replacement	No
Valve	BNL Industries	B021016-4-4	N/A	1RW-886	2003	Replacement	No

7. Description of Work _____

8. a) Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure 165 Psi Test Temp. Ambient °F

b) Test Conducted
Nominal Operating Pressure ☒

NOTE: For new return line connection to 24" SWS return header, ISLT in accordance with Code Case N-416-1

Other ☐ Pressure _____ psi Test Temp. _____ °F

9. This ECP installed bypass strainers at 1RW-YS-16 and 1RW-YS-18 and replaced carbon steel piping with AL6XN in BV-1 RW System. This ECP installed Stainless steel strainers 1RW-YS-16A/16B and 1RW-YS-18A/18B. Carbon steel valves were replaced by Stainless steel valves. This ECP provided the operational flexibility to supply RW to Charging Pump Lube Oil Coolers

Form No. 1575

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

1. Owner F.E.N.O.C. Date 06/13/2003
(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. #02-024734-000
(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 "
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)
Piping	Bechtel	N/A	N/A	WR-16	1993	Repaired	No

7. Description of Work Repaired pinhole leak in weld #WR-16-F-1.

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. Repair was in accordance with Code Case N-416-1.

Previous NIS-2 Data Report Nos: 1564, 713 and 693.

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

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

Signed *Donna F. P.* *Senior Eng.* Date June 13, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 1/2/03 to 6/16/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date

June 16, 20 03

Form No. 1577

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 04/23/03
(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. #02-004127-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENOC-Maint. Services Type Code Symbol Stamp N/A
(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, 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)
Heat Exchanger	Industrial Process	6301-1	3179	IRS-E-1A	1971	Repaired	Yes

7. Description of Work Replaced diaphragms and seal welded, repaired lower flange.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Heat Exchanger was opened for normal maintenance

activities and cleaning. Diaphragms were replaced and seal welded on re-assembly. The lower

flange was weld repaired to correct undercut and areas of lack of fusion from previous outages.

Previous NIS-2 Data Report Nos: 1417, 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 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] Senior Eng. Date April 23, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/4/03 to 4/25/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

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

Date April 25, 20 03

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
As required by the Provisions of the ASME Code Rules, Section VIII, Division I

15
PC-E-14

1. Manufactured by INDUSTRIAL PROCESS ENGINEERS, NEWARK, NEW JERSEY
(Name and address of Manufacturer)
Manufactured for Stone & Webster Engineering Co. for Duquesne Light Co., Shippingport, Pa.
(Name and address of Purchaser)

3. Type Vert Kind Heat Exch. Vessel No. 6301-1 () () Natl. Bd. No. 3179 Yr. Built 1971
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Mfrs. Serial) (State & State No.)

Items 4-9 incl. to be completed for single shell vessels and for shells of heat exchangers.

4. SHELL: Material SA240-304L T.S. 70,000 Nominal Thickness 1/4 In. Allowance 0 In. Diam. 2 Ft. 7 In. Length 36 Ft. 11-7/8 In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) 5/16

5. SEAMS: Long D.B.W. H.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 S.B. & D.B.W. H.T. No R.T. complete Sectioned No No. of Courses 4

6. HEADS (a) Material See Line 10 T.S. (b) Material (c) Material T.S.
(Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter. (Side to Pressure (Convex or Concave)

(a) (b)

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

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

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

9. Constructed for max. allowable working press. 150 psi at max. temp. 280 °F. Min. temp. (when less than -20°) Hydrostatic Test 250 psi
Press

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material SA240-304L Diam. 31 In. Thickness 11/4 In. Attachment Welded
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material SA-213 sm1's Diam. In. Thickness In. Attachment

TUBES: Material TP304-L O.D. 5/8 In. Thickness 20 R Gauge Number 850 Type Straight
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for double shell vessels and for channels of heat exchangers.

12. SHELL Material SA515-70 T.S. 70,000 Nominal Thickness 7/16 In. Allowance 0 In. Diam. 2 Ft. 7 In. Length 2 Ft. 43-4/4 In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

13. SEAMS: Long D.B.W. H.T. Yes 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 See Fig H.T. Yes R.T. complete Sectioned No No. of courses 1

14. HEADS (a) Material T.S. (b) Material SA515-70 T.S. 70,000 (c) Material T.S.

(a) Top, bottom, ends (b) Channel (c) Floating

(a) Thickness 1-13/16 (b) 37 (c)

If removable, bolts used (a) (Material, Spec. No., T.S., Size, Number) (b) 24 Bolts 3/4" dia. SA193-B7

(c) Other fastening (Describe or Attach Sketch)

15. Constructed for max. 48 psi. Int. allowable working press. 150 psi at max. temp. 280 °F. Min. temp. (when less than -20°) Hydrostatic Test 225 psi
Press

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number 1 Size 1/2 Location By Others

17. NOZZLES

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Shell	1	14 x 10	B.W. Red	SA240-304L	1/4"	SA240-304L	Welded
Shell	1	14 x 12	B.W. Red	SA240-304L	1/4"	SA240-304L	Welded
Shell	1	1"	Weld End	SA312	109	-----	Welded
Shell	1	1/8"	Coup. Thr'd	SA182F304L	6000#	-----	Welded
Channel	2	1/4"	Weld End	SA53-B	.438	SA515-70	Welded
Channel	2	1/2, 1"	Weld End	SA53-B	Sch. 80	-----	Welded

3174 FORM U-1 (back)

SECTION Manholes, No. _____ Size _____ Location _____
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____
 SUPPORTS: Skirt No (Yes or No) _____ Lugs Four (Number) _____ Legs _____ (Number) _____ Other _____ (Describe) _____ Attached Shell Welded (Where & How)

REMARKS: Recirculation Spray Cooler TEMA Type CEN
 Item No. RS-E-1A J.O. No. 11700 --BV-75
 Contents: Shell Side -- Spray Water; -- Tube Side --- River Water
 Vessel Certified as ASME Code Sect. III Class "C" Unit by John H. Noble
 Registered P.E. #11501-E Commonwealth of Pennsylvania, and is constructed in
 accordance with the Winter 1968 Addenda of ASME Sect. III, Article 21

(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 I.

December 22, 19 71 Signed Industrial Process Engineers By B.B. Hallan
 (Manufacturer)

Certificate of Authorization Expires December 31, 1973

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Industrial Process Engineers at Newark, New Jersey

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province N.J. and employed by The State of _____ have inspected the pressure vessel described in this manufacturer's data report on December 22, 1971, 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 December 22, 19 71

E. M. Mura
 Inspector's Signature

Commissions N.E. #6575 Penna. WC 1879
 Nat'l Board, State, or Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

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

_____ have compared the statements in this manufacturer's data report with the described pressure vessel and state that parts referred to as data items _____ not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code. The described vessel was inspected and subjected to a hydrostatic test of _____ psi.

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

Date _____ 19 _____

Inspector's Signature

Commissions _____
 Nat'l Board, State, or Province and No.

Form No. 1578

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

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

Date 04/23/03Sheet 1 of 2

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

Unit No. 1

W.O. #02-004126-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENOC-Maint. Services
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp N/AAuthorization 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, 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)
Heat Exchanger	Industrial Process	6301-3	3181	IRS-E-1C	1971	Replacement	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 Code Data Report attached. Heat Exchanger was opened for normal maintenance
activities and cleaning. Diaphragms were replaced and seal welded on re-assembly. Previous
NIS-2 Data Report Nos: 1418, 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 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] Saver Eyr Date April 23, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 8/19/02 to 4/25/03, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date April 25, 20 03

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
As required by the Provisions of the ASME Code Rules, Section VIII, Division I

75 AC-E-1C

1. Manufactured by INDUSTRIAL PROCESS ENGINEERS, NEWARK, NEW JERSEY
(Name and address of Manufacturer)
2. Manufactured for Stone & Webster Eng. Co. for Duquesne Light Co., Shippingport, Pa.
(Name and address of Purchaser)
Type Vert Kind Heat Exch. Vessel No. 6301-3 () Natl. Bd. No. 3181 Yr. Built 1971
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Mfrs. Serial) (State & State No.)

Items 4-9 incl. to be completed for shells of heat exchangers.

4. SHELL: Material SA240-304L T.S. 70,000 Nominal 1/4 Corrosion 0 In. Allowance 0 In. Diam. 2 Ft. 7 In. Length 36 Ft. 11 7/8 In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) Thickness 1/16

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

Girth S.B. & D.B.W. H.T. No R.T. complete Sectioned No No. of Courses 4

6. HEADS (a) Material See Line 10 T.S. 70,000 (b) Material SA515-70 T.S. 70,000
(Top, bottom, ends) Thickness 1-13/16 Crown Radius 37" Elliptical Ratio 37" Conical Apex Angle 37" Hemispherical Radius 37" Flat Diameter 37" Side to Pressure (Convex or Concave)

(a) Top, bottom, ends (b) Channel

If removable, bolts used 24 bolts - 3/4" dia. - SA193-B7 Other fastening See sketch
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: If hollow No Attachment Threaded Pitch 12 X 3/4 In. Diam. 3/4 In.
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

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

9. Constructed for max. allowable working press. 150 psi at max. temp. 280 °F. Min. temp. (when less than -20°) Hydrostatic Test Press 250 psi.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material SA240-304L Diam. 31 In. Thickness 1/4 In. Attachment Welded
(Kind and Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material SA213-316 Diam. 31 In. Thickness 1/4 In. Attachment Welded
(Kind and Spec. No.) (Welded, Bolted)

TUBES: Material TP304-L O.D. 5/8" In. Thickness 20 Mils. Gage Number 850 Type Straight
(Kind and Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for jackets of heat exchangers.

12. SHELL Material SA515-70 T.S. 70,000 Nominal 7/16 Corrosion 0 In. Allowance 0 In. Diam. 2 Ft. 7 In. Length 2 43/4 Ft. In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) Thickness 1/16

13. SEAMS: Long D.B.W. H.T. Yes R.T. complete Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth See Fig. NB-3352-3(C) H.T. Yes R.T. complete Sectioned No No. of courses 1

14. HEADS (a) Material SA515-70 T.S. 70,000 (b) Material SA515-70 T.S. 70,000 (c) Material SA515-70 T.S. 70,000
(Top, bottom, ends) Thickness 1-13/16 Crown Radius 37" Elliptical Ratio 37" Conical Apex Angle 37" Hemispherical Radius 37" Flat Diameter 37" Side to Pressure (Convex or Concave)

(a) Top, bottom, ends (b) Channel (c) Floating

If removable, bolts used (a) 24 bolts - 3/4" dia. - SA193-B7 Other fastening See sketch
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

(c) See sketch

15. Constructed for max. allowable working press. 150 psi-int. 48 psi-ext. Min. temp. (when less than -20°) Hydrostatic Test Press 225 psi.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number 1 Size 1/2 In. Location By Others

17. NOZZLES

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Shell	1	14 x 10	B.W. Red.	SA240-304L	1/4"	SA240-304L	Welded
Shell	1	14 x 12	B.W. Red.	SA240-304L	1/4"	SA240-304L	Welded
Shell	1	1"	Weld End	SA 312	.109	-----	Welded
Shell	1	1/8"	Coup. Thr'd	SA182 F304L	.6000	-----	Welded
Channel	2	14"	Weld End	SA53-B	.438	SA515-70	Welded
Channel	2	1/2, 1"	Weld End	SA53-B	Sch. 80	-----	Welded

INSPECTION Manholes, No. _____ Size _____ Location _____
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____
 19. SUPPORTS: Skirt No (Yes or No) Lugs Four (Number) Legs _____ (Number) Other _____ (Describe) Attached Shell Welder (Where & How)

20. REMARKS: Recirculation Spray Cooler. TEMA Type -- CEN

Item No. RS-E-1C -- J.O. No. 11700--B.V.-75

Contents Shell Side -- Spray Water., Tube Side -- River Water.

Vessel certified as ASME Code Sec. III., Class "C" Unit by John H. Noble,

Registered P.E. #11501-E Commonwealth of Pennsylvania and is constructed in accordance with the Winter 1968 Addenda of ASME Sect. III, Article 21.

(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 I.

Date December 14 19 71 Signed Industrial Process Engineers By B. B. Hallon
 (Manufacturer)

Certificate of Authorization Expires December 31, 1973

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Industrial Process Engineers at Newark, New Jersey

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

_____ have inspected the pressure vessel described in this manufacturer's data report on December 10 19 71, 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 December 14 19 71

E. J. Murn
 Inspector's Signature

Commissions NB 6575 Penna WC-1879
 Nat'l Board, State, or Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

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

_____ have compared the statements in this manufacturer's data report with the described pressure vessel and state that parts referred to as data items _____ not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure vessel Code. The described vessel was inspected and subjected to a hydrostatic test of _____ psi.

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

Date _____ 19 _____

 Inspector's Signature

Commissions _____
 Nat'l Board, State, or Province and No.

Form No. 1579

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 04/22/03
(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. 02-015303-000
(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 "
4. Identification of System Chemical and Volume Control (Q2)
5. (a) Applicable Construction Code ANSI B16.5 19 Edition, 68 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	Anchor-Darling	N/A	N/A	1CH-21	1976	Replaced	No
Studs	Nova Machine	N/A	N/A	N/A	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	N/A	2003	Replacement	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 Reports 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 ½-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/AExpiration Date N/A

Signed



Owner or Owner's Designee, Title

Senior Engr.

Date

April 22, 20 03

CERTIFICATE OF INSERVICE INSPECTION

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

Owner's Report during the period 1/3/03 to 4/24/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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



Inspector's Signature

Commissions

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

Date

April 24, 20 03

Form No. 1580

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

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

Date 06/13/2003Sheet 1 of 1

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

Unit No. 1

W.O. #01-018181-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date *4. Identification of System Main Steam (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	Pacific Valve	N/A	N/A	IMS-16	1976	Replaced	No
Gate Valve	Pacific Valve	0950-4	N/A	IMS-16	2003	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 Reports available. Replacement in accordance with Code Case N-416-1.

*Year installed.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 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]
Owner or Owner's Designee, Title

Senior Eng.

Date

June 13, 20 03

CERTIFICATE OF INSERVICE INSPECTION

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

Owner's Report during the period 3/13/03 to 6/16/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

June 16, 20 03

Form No. 1581

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 05/31/03
(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. #00-008488-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By FENOC-Maint. Services Type Code Symbol Stamp N/A
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date
4. Identification of System Residual Heat Removal (Class C)
5. (a) Applicable Construction Code Section III 19 68 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Heat Exchanger	Joseph Oat Co.	1832-1	368	1RH-E-1A	1969	Repaired	Yes
Studs	Nova Machine	N/A	N/A	Ht #3993360/QZC	2003*	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #73265-32-2-RXQ	2003*	Replacement	No

7. Description of Work Replaced two heat exchanger flange studs and nuts, weld repaired support.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 1260, and 414.

*Year installed. Support was modified to allow for stud removal.

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]

Senior Eng.

Date

May 31, 20 03

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/5/03 to 6/2/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions

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

Date

June 2, 20 03

Form No. 1582

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 05/31/03
(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. #02-009202-000
(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 .
4. Identification of System River Water (Q3)
5. (a) Applicable Construction Code 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)
Expansion Joint	Garlock	N/A	N/A	REJ-1RW-27B	1995	Replaced	No
Expansion Joint	Garlock	N/A	N/A	REJ-1RW-27B	2003	Replacement	No
Studs	Nova Machine	N/A	N/A	See back	2003*	Replacement	No

7. Description of Work Replaced two heat exchanger flange studs and nuts, weld repaired support.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No: 630. *Year installed.Stud Heat Nos: 8992751-D622, 13808-8284

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/ASigned [Signature] Service Eng. Date May 31, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

Owner's Report during the period 4/11/03 to 6/2/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

NB 7509 (N.I.) PA2162
National Board, State, Province, and Endorsements

Date June 2, 20 03

Form No. 1583

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 04/29/03
(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. #03-002761-000
(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
4. Identification of System Chemical and Volume Control (Q2)
5. (a) Applicable Construction Code Section VIII 19 68 Edition, 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)
Relief Valve	Crosby	51382 M3	N/A	RV-1CH-382A	1998	Replacement	No
Nozzle	Crosby	N/A	N/A	N/A	2003	Replacement	No
Disc Insert	Crosby	N/A	N/A	N/A	2003	Replacement	No

7. Description of Work Replaced valve nozzle and disc insert.

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: 985 and 465.

*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 *Thomas J. De* Senior Eng. Date April 29, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

Owner's Report during the period 3/7/03 to 5/15/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

May 15, 20 03

Form No. 1584

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 04/29/03
(NAME)
76 South Main Street - Akron, OH 44308
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077 W.O. 01-016490-000
(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 Residual Heat Removal (Q1)
5. (a) Applicable Construction Code ANSI B16.5 19 1968 Edition, N/A 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	Copes-Vulcan	1832	N/A	MOV-1RH-700	1976	Replacement	No
Disc	Copes-Vulcan	N/A	N/A	N/A	2003	Replacement	No
Studs	Nova Machine	N/A	N/A	See back	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #61418-SAV	2003	Replacement	No

7. Description of Work Replaced valve disc and 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 Reports available. *Year installed. Heat Numbers of replacement studs
were as follows: Lot #35277060 Heat Trace #8078732, Heat #95335, Heat #8078732, and
Heat #96710 Lot #35891078 Heat Code #JKS.

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 Eng. Date April 29, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/23/03 to 5/15/03, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 May 15, 20 03

Form No. 1585

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 04/29/03
(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. 01-016495-000
(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 Residual Heat Removal (Q1)
5. (a) Applicable Construction Code ANSI B16.5 19 1968 Edition, N/A 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	Copes-Vulcan	N/A	N/A	MOV-1RH-701	1976	Replacement	No
Disc	Copes-Vulcan	N/A	N/A	N/A	2003	Replacement	No
Studs	Nova Machine	N/A	N/A	See back	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #13484-D424	2003	Replacement	No

7. Description of Work Replaced valve disc and 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 Reports available. *Year installed. Heat Numbers of replacement studs
were as follows: Heat #96710 Lot #35891078 Heat Code #JKS, Ht #13484-D424, and Heat #95335-
Code EGS

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] Senior Eng. Date April 29, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 8/19/02 to 5/15/03 and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be 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 May 15, 20 03

Form No. 1586

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 4/18/03
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. BVPS 1
(NAME)
Shippingport, PA 15077 ECP 03-0151
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By First Energy Type Code Symbol Stamp N/A
(NAME)
Shippingport, Pa. 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A
4. Identification of System Reactor Coolant System (Q1)
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)
Globe Valve	Rockwell-Edwards	Not Available	N/A	1RC-50	Not Available	Replaced	No

7. Description of Work Removed valve and section of pipe and replaced with pipe caps.
Support PS-4 modified, support PS-1 removed

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 2235 psi Test Temp. 547 °F

FORM NIS-2 (Back)

9. Remarks Removed valve 1RC-50 on line #RC-75 and capped near support PS-4 and also capped
near tie in to line RC-72. Work was performed in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Jay Gazdacko Senior Nuclear Engineer J. Gazdacko Date 4/18, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/24/03 to 4/30/03 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch Commissions NB7509 (N.I.) PA2162
Inspector's Signature National Board, State, Province, and Endorsements
Date April 30, 20 03

Form No. 1587

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 04/29/03
(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. 02-007347-000
(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 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 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)
Relief Valve	Target Rock	5	N/A	RV-IRC-551C	1995	Replaced	Yes
Relief Valve	Target Rock	6	N/A	RV-IRC-551G	1973	Replacement	Yes

7. Description of Work Replaced 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: 1141, 594, 313, 262.

Valve was replaced for testing purposes.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 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] Savior E. Date April 29, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 8/2/02 to 5/15/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date May 15, 20 03

Form No. 1592

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

1. Owner F.E.N.O.C. Date 06-24-2003
(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. #02-009204-000
(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
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

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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	Garlock	5-0296	N/A	REJ-1RW-7B	1995	Replaced	No
Expansion Joint	Garlock	N/A	N/A	REJ-1RW-7B	2003	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. Previous NIS-2 Data Report No. 614.

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 *Donna L. White* Senior Eng. Date June 24, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 4/11/03 to 6/30/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions

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

Date

June 30, 20 03

Form No. 1593

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

1. Owner F.E.N.O.C. Date 06-24-2003
(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. #02-009205-000
(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
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

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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	Garlock	5-0295	N/A	REJ-1RW-7D	1995	Replaced	No
Expansion Joint	Garlock	N/A	N/A	REJ-1RW-7D	2003	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. Previous NIS-2 Data Report No. 615.

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

Robert C. Amosch
Owner or Owner's Designee, Title

Senior Eng.

Date

June 24, 20 03

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in the Owner's Report during the period 4/11/03 to 7/8/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions

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

Date

July 8, 20 03

Form No. 1594

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

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

Date 06/20/2003Sheet 1 of 1

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

Unit No. 1

W.O. #02-025059-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date *4. Identification of System Main Steam (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 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)
Valve	Copes-Vulcan	701095096-1-1	N/A	PCV-1MS-101A	1976	Replaced	No
Plug	Copes-Vulcan	N/A	N/A	N/A	2003	Replacement	No

7. Description of Work Replaced valves trim (plug assembly and seat ring).

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 1565, 825, 660, 462,
289, and 178. *Year installed. Machined cage seat area in body did not encroach on minimum
wall.

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

Robert J. Wade
Owner or Owner's Designee, Title

Senior Eng.

Date

June 20, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/14/03 to 6/23/03, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date

June 23, 20 03

Form No. 1595

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

1. Owner F.E.N.O.C. Date 06/19/2003
(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. #02-025060-000
(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
4. Identification of System Main Steam (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 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)
Valve	Copes-Vulcan	701095096-1-3	N/A	PCV-1MS-101C	1976	Replaced	No
Plug	Copes-Vulcan	N/A	N/A	N/A	2003	Replacement	No

7. Description of Work Replaced valves trim (plug assembly and seat ring).

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 1567, 826, 662, 464,
and 169. *Year installed. Machined cage seat area in body did not encroach on minimum wall.

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 *Robert Amodeo* Senior Eng. Date June 19, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/14/03 to 6/30/03, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date June 30, 20 03

Form No. 1596

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 28 April 03

Sheet 1 of 2

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

Unit No. 1

ECP 02-0390
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, Summer Addenda, N-416-1 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)
Valve	C&S Valve	92-2019-03Q-01	N/A	1RW-193	1992	Replacement	N

7. Description of Work Removal internals of valves referenced above.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 85 psi Test Temp. Ambient °F

9. Remarks _____

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 Scott C Weakland, Advanced Nuclear Engineer Date 28 April, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/4/03 to 5/27/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 May 27, 20 03

Form No. 1597

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 28 April 03
(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 ECP 02-0390
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Mechanical Type Code Symbol Stamp N/A
Maintenance (NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, Summer Addenda, N-416-1 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)
Valve	Mission Drilling Products	53062	N/A	1RW-194		Replacement	N

7. Description of Work Removal internals of valves referenced above.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 85 psi Test Temp. Ambient °F

FORM NIS-2 (Back)

9. Remarks _____

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 Scott C Weakland, Advanced Nuclear Engineer Date 28 April, 2003
Owner or Owner's Designer, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of 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 4/4/03 to 3/27/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date

May 27, 20 03

Form No. 1598

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 28 April 03
(NAME)
76 South Main Street – Akron, OH 44308
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077
(ADDRESS) ECP 02-0390
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS – Mechanical Type Code Symbol Stamp N/A
Maintenance (NAME)
Shippingport, PA 15077
(ADDRESS) Authorization No. N/A
Expiration Date N/A
4. Identification of System River Water
5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, Summer Addenda, N-416-1 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)
Valve	Mission Drilling Products	W-1010	N/A	1RW-195		Replacement	N

7. Description of Work Removal internals of valves referenced above.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 85 psi Test Temp. Ambient °F

FORM NIS-2 (Back)

9. Remarks _____

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 Scott C Weakland, Advanced Nuclear Engineer Date 28 April, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/4/03 to 5/27/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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(V,I) PA 21&2
Inspector's Signature National Board, State, Province, and Endorsements

Date May 27, 20 03

Form No. 1599

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 28 April 03
(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 ECP 02-0390
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS – Mechanical Type Code Symbol Stamp N/A
Maintenance (NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, Summer Addenda, N-416-1 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)
Valve	Mission Drilling Products	W-1011	N/A	1RW-196		Replacement	N

7. Description of Work Removal internals of valves referenced above.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 85 psi Test Temp. Ambient °F

FORM NIS-2 (Back)

9. Remarks _____

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 Scott C Weakland, Advanced Nuclear Engineer Date 28 April, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/4/03 to 5/27/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date May 27, 20 03

Form No. 1600

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 07/21/03

Sheet 1 of 1

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

Unit No. 1

W.O. #03-005622-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date *

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code ANSI B16.5 19 1968 Edition, 1968 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	Walworth / Aloyco	N/A	N/A	ISI-7	1976	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #99694-B716	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #8077124	2003	Replacement	No

7. Description of Work Replaced body to cover studs and nuts

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

FORM NIS-2 (Back)

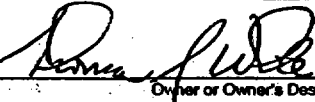
9. Remarks No Code Data Reports available. *Year installed.

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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/AExpiration Date N/A

Signed



Owner or Owner's Designee, Title

Senior Eng.

Date

July 21

, 20

03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 4/11/03 to 7/22/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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



Inspector's Signature

Commissions

NB7509 (N, I) PA 2162

National Board, State, Province, and Endorsements

Date

July 22, 20 03

Form No. 1601

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

1. Owner F.E.N.O.C.
(NAME)Date 06-23-200376 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. #02-003705-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By FENOC-Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date "4. Identification of System Recirculation Spray (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 "

6. Identification of Components Repaired or Replaced and Replacements Components

Name of 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	1RS-158	1976	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #8992751-D622	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	N/A	2003	Replacement	No

7. Description of Work Replaced body to cover 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 Reports 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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/AExpiration Date N/A

Signed

Senior Eng.

Date

June 2320 03Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

Owner's Report during the period 4/11/03 to 7/8/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions

NB7509(N,I)PA2162National Board, State, Province, and Endorsements

Date

July 8, 20 03

Form No. 1602

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 04/24/03
(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 03-004180-000
(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 Safety Injection (Q2)
5. (a) Applicable Construction Code B16.5 19 Edition, 68 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	Velan Valve	N/A	N/A	ISI-94	1976	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #B6-22	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #722545-C292	2003	Replacement	No

7. Description of Work Replaced valve body to cover 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 Reports 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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/AExpiration Date N/ASigned [Signature] Senior Engineer Date April 24, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/17/03 to 4/25/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 EndorsementsDate April 25, 20 03

Form No. 1603

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

1. Owner F.E.N.O.C. Date 06/13/2003
(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. #02-024904-000
(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 "
4. Identification of System Residual Heat Removal (Q2)
5. (a) Applicable Construction Code ANSI B16.2 19 68 Edition, N/A 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	Crane Valve	N/A	N/A	IRH-10	1976	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #F747	2003	Replacement	No
Nuts	Nova Machine	N/A	N/A	Ht #8994826 QJS	2003	Replacement	No

7. Description of Work Replaced 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 Reports 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 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/A Expiration Date N/ASigned Donna J. Webb Senior Eng. Date June 13, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/14/03 to 6/16/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 EndorsementsDate June 16, 20 03

Form No. 1604

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 07/21/0376 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. #01-011267-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By _____
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/A

Expiration Date _____

4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B16.5 19 1968 Edition, N/A 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)
Butterfly Valve	Rodney Hunt	2	N/A	MOV-1RW-103B	1993	Replacement	No
Bolts	Nova Machine	N/A	N/A	Ht #QQX	2003	Replacement	No

7. Description of Work Replaced flange bolts.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. *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 ½-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/AExpiration Date N/A

Signed

Robert F. White
Owner or Owner's Designee, TitleSenior Eng.Date July 21, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 4/11/03 to 7/22/03 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date

July 22, 20 03

Form No. 1605

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 28 Apr 03

Sheet 1 of 2

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

Unit No. 1

ECP 02-0279
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, Summer Addenda, N-416-1 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)
Valve	C&S Valve	89-0929-01(Q)-03	N/A	1RW-108		Replacement	N

7. Description of Work Removal internals of valves referenced above.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 85 psi Test Temp. Ambient °F

9. Remarks _____

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 Scott C Weakland, Advanced Nuclear Engineer Date 28 April, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/4/03 to 5/27/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 May 27, 20 03

Form No. 1606

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 07/16/03
(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. #01-003632-000
(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 "
4. Identification of System River Water (Q3)
5. (a) Applicable Construction Code B16.5 19 1968 Edition, 1968 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	C & S Valve	89-0929-01(Q)-02	N/A	1RW-107	2000	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #8992751-D622	2003	Replacement	No
Studs	Nova Machine	N/A	N/A	Ht #13698-B284	2003	Replacement	No

7. Description of Work Replaced flange 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 Reports available. Previous NIS-2 Data Report Nos: 1273, 958, and 665.

Valve was manufactured to ANSI B16.34 and is installed into an ANSI B31.1 system. *Year
installed.

CERTIFICATE OF COMPLIANCE

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

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

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

Robert Cimoch
Owner or Owner's Designee, Title

Senior Eng.

Date July 16, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 4/11/03 to 7/16/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date

July 16, 20 03

Form No. 1607

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 4/28/03Sheet 1 of 2

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

Unit No. BVPS #1

Westinghouse PO 7103212
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Westinghouse/PCI
(NAME)
Lake Bluff, Illinois
(ADDRESS)

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System Reactor Coolant - Reactor Vessel Head (VHP) Nozzles5. (a) Applicable Construction Code ASME III, Class A 1968 Edition, W'68 Addenda, Code Case N/A(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: Relief Request BV3-RV-04

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Reactor Vessel	Westinghouse	C.E. 69103	NB21011	IRC-R-1	1971	Repaired	YES

7. Description of Work Performed an embedded flaw overlay on the J-weld and Tube OD (below the weld) utilizing Alloy 52 on Vessel Head Penetrations #50, 51, 52, and 53 in accordance with Relief Request BV3-RV-04 and FENOC Work Order 03-000095.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 2235 psi Test Temp. 545°F

2001

FORM NIS-2 (Back)

9. Remarks: As authorized by 10CFR50.55(a)(3)(i), the embedded flaw repair technique has been used as an alternative to the requirements of the ASME Code, per Relief Request BV3-RV-04. Code case N-416-1 is applicable to this repair. A VT-2 examination has been acceptably completed per NDE Request # BOP-VT-03-063.

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 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]

STAFF RUEL

Date

4/30

20 03

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/31/03 to 4/30/03 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

April 30, 20 03

Form No. 1608

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 6/12/03
(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 # 02-000959-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENOC- Maintenance Type Code Sample Stamp N/A
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code B16.5 19 68 Edition, 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	Schutte & Koerting	N690562	N/A	TV-1MS-101A	1968	Replacement	No

7. Description of Work Replaced one stud and 2 nuts.

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

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/ASigned C Bussick Sr Engr Date June 12, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/18/03 to 6/19/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date June 19, 20 03

Form No. 1609

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 6/12/03
(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 # 02-0003902-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENOC- Maintenance Type Code Sample Stamp N/A
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code B16.5 19 68 Edition, n/a 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	Schutte & Koerting	N690563	N/A	TV-1MS-101C	1968	Replacement	No

7. Description of Work Replaced 1 stud and 2 nuts.

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.

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. NAExpiration Date NA

Signed

ChusuckSr Eng

Date

June 12, 20 03

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/18/03 to 6/19/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date

June 19, 20 03

Form No. 1610

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 6/12/03
(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 # 02-011653-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENOC- Maintenance Type Code Sample Stamp N/A
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code B16.5 19 68 Edition, 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	Schutte & Koerting	N690566	N/A	NRV-1MS-101A	1968	Replacement	No

7. Description of Work Replaced one stud and 1 nut.

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

FORM NIS-2 (Back)

9. Remarks PA. SPEC. #5498 No Code Data Reports available

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 1/2-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/A Expiration Date N/ASigned Bursuch Sr. Eng Date June 12, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/18/03 to 6/19/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert Cimoch
Inspector's Signature

Commissions

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

Date

June 19, 20 03

Form No. 1611

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 6/12/03
(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 # 02-011652-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENOC- Maintenance Type Code Sample Stamp N/A
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code B16.5 19 68 Edition, 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	Schutte & Koerting	N690565	N/A	NRV-1MS-101C	1968	Replacement	No

7. Description of Work Replaced 5 studs and 2 nuts. Installed one helicoil.

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. Heficoil installed per ECP 03-0232

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/AExpiration Date N/ASigned C. Busch Sr. Engr Date June 12, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/18/03 to 6/19/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions

NB7509(N,I) PA2162National Board, State, Province, and EndorsementsDate June 19, 20 03

Form No. 1614

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 Operation Company
(NAME)
76 South Main Street - Akron, OH 44308
(ADDRESS)

Date 4/28/03

Sheet 1 of 1

2. Plant Beaver Valley Power Station
(NAME)
Route 168, Shippingport, PA 15077
(ADDRESS)

Unit No. 1

Westinghouse P.O. 7024829
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By: BVPS/Project Management
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code Section III 19 65 Edition, W66 Addenda, 1429 Code Case

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

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Steam Generator	Westinghouse	DLGT-1301	68-45	RC-E-1A	1971	Repair	Yes

7. Description of Work Installed 198 Inconel 690 tube plugs (99 tubes). Installed new gaskets
on primary manways and secondary side handholes.

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

FORM NIS-2 (Back)

9. Remarks: ASME Work Order: (Tube Plugging) 02-002419-000

PA 434597

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 ½-ADM-0801 "ASME Section XI Repair/Replacement and Repair/Alteration Program"Certificate of Authorization No. N/AExpiration Date N/A

Signed

Harry Albright / Sr. Nuc. Advisor
Owner or Owner's Designee, TitleDate April 28th, 20 03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by FMEC of JOHNSTON, R.I. have inspected the components described in the Owner's Report during the period 6/30/02 to 5/19/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date

May 19, 20 03

Form No. 1615

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 Operation Company Date 4/28/03
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Route 168, Shippingport, PA 15077 Westinghouse P.O. 7024829
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By: BVPS/Project Management Type Code Symbol Stamp N/A
(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, W66 Addenda, 1429 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Steam Generator	Westinghouse	DLGT-1302	68-46	RC-E-1B	1971	Repair	Yes

7. Description of Work Installed 168 Inconel 690 tube plugs (84 tubes). Installed new gaskets
on primary manways and secondary side handholes.

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

FORM NIS-2 (Back)

9. Remarks: ASME Work Order: (Tube Plugging) 02-002418-000

PA 434598

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

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Ray Monte / Sr. Nuc Advisor Date April 28th, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by FMEC of JOHNSTON, R.I. have inspected the components described in the Owner's Report during the period 6/30/02 to 5/19/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

May 19, 20 03

Form No. 1616

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 Operation Company
(NAME)
76 South Main Street - Akron, OH 44308
(ADDRESS)

Date 4/28/03Sheet 1 of 1

2. Plant Beaver Valley Power Station
(NAME)
Route 168, Shippingport, PA 15077
(ADDRESS)

Unit No. 1

Westinghouse P.O. 7024829
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By: BVPS/Project Management
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. 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 Replacements 1989 Edition

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Steam Generator	Westinghouse	DLGT-1303	68-47	RC-E-1C	1971	Repair	Yes

7. Description of Work Installed 70 Inconel 690 tube plugs (35 tubes). Installed new gaskets
on primary manways and secondary side handholes.

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

FORM NIS-2 (Back)

9. Remarks: ASME Work Order: (Tube Plugging) 02-002421-000PA 434599

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

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

Signed Harry Albert / Sr. Nrc Advisor Date April 28th, 20 03
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by FACT MDT INS CO of JOHNSTON, R.I. have inspected the components described in the Owner's Report during the period 6/30/02 to 5/19/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 May 19, 20 03

Form No. 1617

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

1. Owner FENOC
(NAME)
76 South Main Street - OH 44308
(ADDRESS)

Date 06/13/2003Sheet 1 of 1

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

Unit No. 1

W.O. Nos: 01-002083-000, -001
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date "4. Identification of System Chemical and Volume Control (Q1)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 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	Kerotest	N/A	N/A	1CH-181	1976	Replacement	No
Cover	Kerotest	EE6-1	N/A	N/A	2003	Replacement	No

7. Description of Work Replaced valve cover and seal welded to body.

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

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. *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/AExpiration Date N/A

Signed

Senior Engr.

Date

June 1320 03Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/22/03 to 6/23/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions

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

Date

June 23, 20 03

Form No. 1621

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 28 April 03
(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 ECP 02-0279
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS – Mechanical Type Code Symbol Stamp N/A
Maintenance (NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date N/A

4. Identification of System River Water

5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, Summer Addenda, N-416-1 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)
Valve	Mission Drilling Products	31527	N/A	1RW-109		Replacement	N

7. Description of Work Removal internals of valves referenced above.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 85 psi Test Temp. Ambient °F

FORM NIS-2 (Back)

9. Remarks _____

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Scott C Weakland, Advanced Nuclear Engineer Date 28 April, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 4/4/03 to 5/27/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 May 27, 20 03

Form No. 1626

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 7-10-0376 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)02-009332-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Plant Engineering
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration 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	5053	N/A	RC-PSSP-20	---	Replaced	No
Snubber	Pacific Scientific	2769	N/A	RC-PSSP-20	---	Replacement	No
Snubber	Grinnell	VB-6733B	N/A	RC-HSS-119	---	Replaced	No
Snubber	Grinnell	VB-7285B	N/A	RC-HSS-119	---	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

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 conforms to the rules of the ASME Code Section XI.

Replacement

Repair Or Replacement

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

Certificate of Authorization No. N/A

Expiration Date N/A

Signed Robert Brocha Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/9/03, and state that to the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer

shall be 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. Cnoch
Inspector's Signature

Commissions

NB2509(N.I.)PA2162
National Board, State, Province, and Endorsements

Date July 19, 2003

Form No. 1627

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 7-10-03

Sheet 1 of 1

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

Unit No. 1

02-009333-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Plant Engineering
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date -

4. Identification of System Reactor Coolant

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	10962	N/A	RC-PSSP-24B	---	Replaced	No
Snubber	Pacific Scientific	8092	N/A	RC-PSSP-24B	---	Replacement	No
Snubber	Pacific Scientific	25511	N/A	RC-HSS-42A-B	---	Replaced	No
Snubber	Pacific Scientific	20540	N/A	RC-HSS-42A-B	---	Replacement	No
Snubber	Grinnell	VB-7285	N/A	RC-HSS-302	---	Replaced	No
Snubber	Grinnell	VB-7458B	N/A	RC-HSS-302	---	Replacement	No
Snubber	Grinnell	VB-7458B	N/A	RC-HSS-23	---	Replaced	No
Snubber	Grinnell	9184	N/A	RC-HSS-23	---	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

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 Brooks Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03, and state that to

the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his
employer

shall be 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 Cimino
Inspector's Signature

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

Date July 19, 2003

Form No. 1628

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 7-10-0376 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 22. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)02-009336-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Plant Engineering
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date 4. Identification of System Blowdown5. (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	18676	N/A	WGCB-H-47A	---	Replaced	No
Snubber	Pacific Scientific	28143	N/A	WGCB-H-47A	---	Replacement	No
Snubber	Pacific Scientific	16933	N/A	WGCB-PSSP-46H	---	Replaced	No
Snubber	Pacific Scientific	25698	N/A	WGCB-PSSP-46H	---	Replacement	No
Snubber	Pacific Scientific	25269	N/A	WGCB-PSSP-46E	---	Replaced	No
Snubber	Pacific Scientific	24941	N/A	WGCB-PSSP-46E	---	Replacement	No
Snubber	Pacific Scientific	19384	N/A	WGCB-PSSP-55E	---	Replaced	No
Snubber	Pacific Scientific	25736	N/A	WGCB-PSSP-55E	---	Replacement	No
Snubber	Pacific Scientific	19385	N/A	WGCB-PSSP-55G	---	Replaced	No
Snubber	Pacific Scientific	9361	N/A	WGCB-PSSP-55G	---	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

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 Brooks Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/9/03, and state that to
the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his
employer

shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected
with

this inspection.

Robert Cimoch
Inspector's Signature

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

Date July 19, 2003

Form No. 1628

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 7-10-03
(NAME)
76 South Main Street - Akron, OH 44308
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 1
(NAME)
Shippingport, PA 15077
(ADDRESS) 02-009336-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Plant Engineering Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077
(ADDRESS) Authorization No. N/A
Expiration Date
4. Identification of System Blowdown
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	16932	N/A	WGCB-PSSP-200A	---	Replaced	No
Snubber	Pacific Scientific	20928	N/A	WGCB-PSSP-200A	---	Replacement	No
Snubber	Pacific Scientific	20931	N/A	WGCB-PSSP-46G	---	Replaced	No
Snubber	Pacific Scientific	25731	N/A	WGCB-PSSP-46G	---	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

ANII Rg Curoch 7/19/03

Form No. 1629

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 7-10-03Sheet 1 of 1

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

Unit No. 1

02-009337-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Plant Engineering
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Reactor Plant Component Cooling

5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, \$71 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	3695	N/A	CC-PSSP-300B	---	Replaced	No
Snubber	Pacific Scientific	16995	N/A	CC-PSSP-300B	---	Replacement	No
Snubber	Pacific Scientific	3694	N/A	CC-PSSP-300A	---	Replaced	No
Snubber	Pacific Scientific	17195	N/A	CC-PSSP-300A	---	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

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 Broolie Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

Owner's Report during the period 3/13/03 to 7/19/03, and state that to

the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in

this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning

the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his

employer shall be 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 July 19, 2003

Form No. 1630

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 7-10-03
(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 02-009339-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Plant Engineering Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date *
4. Identification of System Reactor Plant Component Cooling
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	20537	N/A	CC-HSS-001A	---	Replaced	No
Snubber	Pacific Scientific	24934	N/A	CC-HSS-001A	---	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

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 NPDA 8.5 "ASME Section XI Repair/Replacement Program"

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

Signed Robert Brooks Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03, and state that to

the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in

this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

shall be 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 July 19, 2003

Form No. 1631

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 7-10-0376 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)02-009340-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Plant Engineering
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date 4. Identification of System Reactor Plant Component Cooling5. (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	16260	N/A	CC-HSS-406A	---	Replaced	No
Snubber	Pacific Scientific	30301	N/A	CC-HSS-406A	---	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

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. NA Expiration Date NA

Signed Robert Brooks Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03, and state that to

the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in

this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning

the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his

employer shall be 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 July 19, 2003

Form No. 1632

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 7-10-03
- Sheet 1 of 1
2. Plant Beaver Valley Power Station
(NAME)
Shippingport, PA 15077
(ADDRESS)
- Unit No. 1
- 02-009341-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Plant Engineering
(NAME)
Shippingport, PA 15077
(ADDRESS)
- Type Code Symbol Stamp Not Applicable
- Authorization No. N/A
- Expiration Date "
4. Identification of System Fuel Pool Cooling
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	9187	N/A	FC-HSS-201	--	Replaced	No
Snubber	Grinnell	VB-6733B	N/A	FC-HSS-201	--	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

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 Brooks Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03, and state that to

the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in

this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning

the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his

employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected

with this inspection.

RJ Amodeo
Inspector's Signature

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

Date July 19, 2003

Form No. 1633

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 7-10-03

Sheet 1 of 1

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

Unit No. 1

02-009342-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Plant Engineering
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date

4. Identification of System Fuel Pool Cooling

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	22167	N/A	FC-HSS-5A	--	Replaced	No
Snubber	Grinnell	22186	N/A	FC-HSS-5A	--	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

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. NA Expiration Date NA

Signed Robert Brooks Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/9/03 and state that to
the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his
employer

shall be 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. Cmoach
Inspector's Signature

Commissions NB-2509 (N.I.) PA2162
National Board, State, Province, and Endorsements

Date July 19, 2003

Form No. 1634

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 7-10-03Sheet 1 of 1

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

Unit No. 1

02-009351-000
 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Plant Engineering
 (NAME)
Shippingport, PA 15077
 (ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System Feedwater5. (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	24508	N/A	WFPD-HSS-230	--	Replaced	No
Snubber	Grinnell	VB-5364B	N/A	WFPD-HSS-230	--	Replacement	No
Snubber	Grinnell	19818	N/A	WFPD-HSS-231	--	Replaced	No
Snubber	Grinnell	12698	N/A	WFPD-HSS-231	--	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

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 Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03 and state that to
the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his
employer

shall be 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 July 19, 2003

Form No. 1635

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 7-10-03Sheet 1 of 1

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

Unit No. 1

02-009355-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Plant Engineering
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date 4. Identification of System Residual Heat Removal5. (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	8315	N/A	RH-HSS-203	---	Replaced	No
Snubber	Grinnell	11739	N/A	RH-HSS-203	---	Replacement	No
Snubber	Grinnell	9185	N/A	RH-HSS-403	---	Replaced	No
Snubber	Grinnell	VB-7357B	N/A	RH-HSS-403	---	Replacement	No
Snubber	Grinnell	9184	N/A	RH-HSS-402	---	Replaced	No
Snubber	Grinnell	9208	N/A	RH-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

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 Brooke Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03, and state that to

the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in

this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning

the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his

employer shall be 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) PA2182
National Board, State, Province, and Endorsements

Date July 19, 2003

Form No. 1636

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 7-10-0376 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)02-009356-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Plant Engineering
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date *4. Identification of System Residual Heat Removal5. (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	19822	N/A	RH-HSS-108	---	Replaced	No
Snubber	Grinnell	25483	N/A	RH-HSS-108	---	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

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 Brosius Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03, and state that to
the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his
employer

shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected
with

this inspection.

Robert Cimoch
Inspector's Signature

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

Date July 19, 2003

Form No. 1637

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 7-10-03
(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 02-009358-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Plant Engineering Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS)
- Expiration Date
4. Identification of System River Water
5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, §71 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E
6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	8814	N/A	WR-HSS-312	---	Replaced	No
Snubber	Grinnell	8423	N/A	WR-HSS-312	---	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

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. NA Expiration Date NA

Signed Robert Brooke Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03, and state that to
 the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
 this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
 the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his
 employer shall be 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 Amoroso Commissions NB 7509(VI) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements
 Date July 19, 2003

Form No. 1638

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 7-10-03Sheet 1 of 1

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

Unit No. 1

02-009359-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Plant Engineering
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not ApplicableAuthorization No. N/AExpiration Date "4. Identification of System River Water5. (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	8837	N/A	WR-HSS-300	---	Replaced	No
Snubber	Grinnell	12745	N/A	WR-HSS-300	---	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

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 Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03 and state that to
the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his
employer

shall be 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 (VI) PA2162
National Board, State, Province, and Endorsements

Date July 19, 2003

Form No. 1639

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 7-10-0376 South Main Street - Akron, OH 44308
(ADDRESS)Sheet 1 of 12. Plant Beaver Valley Power Station
(NAME)Unit No. 1Shippingport, PA 15077
(ADDRESS)02-009361-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.3. Work Performed By Plant Engineering
(NAME)Type Code Symbol Stamp Not ApplicableShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date *4. Identification of System Safety Injection5. (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	8311	N/A	SI-HSS-423	---	Replaced	No
Snubber	Grinnell	8814	N/A	SI-HSS-423	---	Replacement	No
Snubber	Grinnell	11739	N/A	SI-HSS-418	---	Replaced	No
Snubber	Grinnell	25904	N/A	SI-HSS-418	---	Replacement	No
Snubber	Grinnell	VB-7503	N/A	SI-HSS-419	---	Replaced	No
Snubber	Grinnell	VB-7228B	N/A	SI-HSS-419	---	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

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 Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03, and state that to
 the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
 this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
 the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his
 employer

shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected
 with

this inspection.

Robert Cimoch
Inspector's Signature

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

Date July 19, 2003

Form No. 1640

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 7-10-03

Sheet 1 of 1

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

Unit No. 1

02-009362-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Plant Engineering
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date *

4. Identification of System Safety Injection

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	9186	N/A	SI-HSS-409	---	Replaced	No
Snubber	Grinnell	VB-7459B	N/A	SI-HSS-409	---	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

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 Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03 and state that to
the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his
employer

shall be 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 A. Amoch Commissions NB 7509 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date July 19, 2003

Form No. 1641

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 7-10-03

Sheet 1 of 1

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

Unit No. 1

02-009373-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By Plant Engineering
(NAME)
Shippingport, PA 15077
(ADDRESS)

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date

4. Identification of System River Water

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	8179	N/A	WR-HSS-304B	---	Replaced	No
Snubber	Grinnell	8837	N/A	WR-HSS-304B	---	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

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 Date July 10, 2003
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 3/3/03 to 7/19/03, and state that to
the

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this

Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his
employer

shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected
with

this inspection.

Robert Amos
Inspector's Signature

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

Date July 19, 2003