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May 23, 2002

L-02-062

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001**Subject: Beaver Valley Power Station, Unit No. 2
Docket No. 50-412, License No. NPF-73
Ninth Refueling Outage Inservice Inspection Report**

This letter forwards the Inservice Inspection (ISI) Ninety-Day report on ASME Class 1, 2, 3, and MC components examined during the ninth refueling outage at Beaver Valley Power Station (BVPS) Unit 2. The ASME Boiler and Pressure Vessel Code, Section XI, Article IWA-6230 requires that an inservice inspection report be submitted to the enforcement and regulatory authority having jurisdiction at the plant site within ninety days after completion of an inservice inspection. The recent inservice inspection term at BVPS Unit 2 ended on February 26, 2002.

The Class 1, 2 and 3 examinations are part of Interval 2, Period 2 of the Unit 2 ISI schedule, and were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition, using Code Case N-408-2 for Class 2 piping welds. The Class MC examinations are part of the initial Containment Inspection Interval, and were performed in accordance with the 1992 Edition, 1992 Addendum of the ASME XI Code.

If you have any questions concerning this matter, please contact Mr. Larry R. Freeland, Manager, Regulatory Affairs/Corrective Action at 724-682-5284.

Sincerely,

 Robert E. Donnellon FOR

L. W. Pearce

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

A047

Inspection term: 12/29/2001 to 2/26/2002

Outage 9, Year 2002

Beaver Valley Power Station Unit 2

Inservice Inspection 90 Day Report

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

Outage 9, Year 2002


Inspection Term: 12/29/2001 to 2/26/2002

Issue date: 5-21-02

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

NRC Docket Number: 50-412


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

Prepared by: 

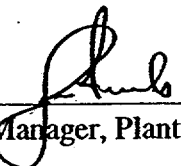
Date: 5-13-02

Reviewed by: 
Supervisor, Nuclear Engineering

Date: 5/14/02

Reviewed by: 
ANII

Date: 5/20/02

Approved by: 
Manager, Plant Engineering

Date: 5/21/02

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

1. Owner FirstEnergy Nuclear Operating Company, Route 168, Shippingport, PA 15077
 (Name and Address of Owner)

2. Plant Beaver Valley Power Station, Route 168, Shippingport, PA 15077
 (Name and Address of Plant)

3. Plant Unit 2 4. Owner Certificate of Authorization (if required) 26-05000

5. Commercial Service Date 11/17/87 6. National Board Number for Unit N/A

7. Components Inspected

| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|---------------------------|------------------------------|--------------------------------------|-----------------------|--------------------|
| Reactor Vessel | Combustion Engineering | CE-9071 | 160591B | 21669 |
| Pressurizer | Westinghouse | 1911 | 485064V | W18695 |
| 21B Steam Generator | Westinghouse | 1962 | 485066V | W16599 |
| 2CHS-P21A | Pacific Pumps / Dresser Ind. | 49190 | N/A | N/A |
| 2RHS-P21A | Ingersoll-Dresser | 1274-26 | N/A | N/A |
| 2RSS-P21A | Bingham Willamette | 230439 | N/A | N/A |
| Valve 2RCS-MOV-585 | Copes - Vulcan | 7310-95295-1-2 | N/A | N/A |
| Valve 2SIS-108 | Westinghouse | W7200157 | 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 |
| | | | | |
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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 12/01/2001 to 02/26/2002
9. Inspection Period Identification: 12/01/2001 to 04/29/2005
10. Inspection Interval Identification: 11/17/1997 to 08/29/2008
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan: 2TYPP-2, Revision 0
13. Abstract of Examination and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Appendix I (Code Exams) for exams performed during 2R09. 2R09 was the first outage in the 2nd Period of the 2nd Ten-Year Interval. Two outages remain 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 2R09. Code Case N-513 was used to evaluate thinning in the BV2 Service Water System.

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 5-13-02 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 12/01/2001 to 02/26/2002 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.

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

OUTAGE SUMMARY

During the Ninth Refueling Outage (2R09) at the Beaver Valley Power Station, Unit 2, Inservice Inspection (ISI) examinations were performed on Class 1, 2, 3 and MC components. This was the first outage in the second period of the second ten year interval. Also included in this report and the counts below, are examinations performed prior to 2R09 during plant operation. The examinations were based on ASME Section XI, 1989 Edition.

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

1. One Hundred-twenty-three (123) Class 1 exams were performed and are divided as follows:

- a. Welds (vessels, and attachments)
 - Ultrasonic Exams - 2
 - Penetrant Exams - 1

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

- c. Visual Examinations
 - Supports (VT-3) - 39
 - Bolting (VT-1) - 5

2. Eighty-three (83) Class 2 exams were performed and are divided as follows:

- a. Welds (vessels, pumps, piping, and attachments)
 - Ultrasonic Exams - 2
 - Penetrant Exams - 26
 - Mag Particle Exams - 5
 - Visual Exams - 7

- b. Supports, visual exams - 43

3. Forty-two (42) visual exams of Class 3 supports were performed and are divided as follows:

- a. Supports, visual exams - 25
- b. Attachments, visual exams - 17

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.

IWL Containment Examination

The BV-2 Containment concrete was examined prior to 2R09 in accordance with 10CFR50.55a(b)(2)(viii). The examination found no conditions that affected either the containment structural integrity or leak tightness. The examinations required by the NRC rulemaking regarding IWE and IWL were completed at both BV1 and BV2 prior to the due date of 9/9/01.

Pressure Testing

The Class 1 piping System Leakage Test was performed prior to plant start-up. All Class 1 bolted connections were examined during 2R09. Also, Class 2 and 3 system functional and system inservice tests were performed on various systems to fulfill the current 40-month pressure testing requirement.

As of December 29, 2001, the 40-month pressure testing requirements for the first period of the second ten-year interval were completed for all systems. Additionally, all Class 1 bolted connections were examined during each refueling outage of the first 40-month period, and all Class 2 bolted connections were examined once within the first 40-month period.

Deficiency Resolution

There were no ISI non-destructive examination deficiencies in 2R09.

Steam Generator Tube Examination

One hundred percent of the in-service tubes were examined in the three steam 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
2R09 Completed Code Exams

| SUMMARY | COMPID | CAT | ITEM NO | DESCRIPTION | ISO NO | METHOD | COMMENTS |
|---------|--------------------|-------|---------|----------------------|--------|--------|----------|
| 189800 | 2RCS*PRE21-C-1 | B-B | B2.11 | CIRCUMFERENTIAL WELD | E-1D-1 | UT | |
| 190300 | 2RCS*PRE21-L-2 | B-B | B2.12 | LONGITUDINAL WELD | E-1D-1 | UT | |
| 220400 | 2RCS*REV21-NUT-20 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 220500 | 2RCS*REV21-NUT-21 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 220600 | 2RCS*REV21-NUT-22 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 220700 | 2RCS*REV21-NUT-23 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 220800 | 2RCS*REV21-NUT-24 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 220900 | 2RCS*REV21-NUT-25 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221000 | 2RCS*REV21-NUT-26 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221100 | 2RCS*REV21-NUT-27 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221200 | 2RCS*REV21-NUT-28 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221300 | 2RCS*REV21-NUT-29 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221400 | 2RCS*REV21-NUT-30 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221500 | 2RCS*REV21-NUT-31 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221600 | 2RCS*REV21-NUT-32 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221700 | 2RCS*REV21-NUT-33 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221800 | 2RCS*REV21-NUT-34 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 221900 | 2RCS*REV21-NUT-35 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 222000 | 2RCS*REV21-NUT-36 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 222100 | 2RCS*REV21-NUT-37 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 222200 | 2RCS*REV21-NUT-38 | B-G-1 | B6.10 | BOLTING | E-1A-1 | VT-1 | |
| 226200 | 2RCS*REV21-STUD-20 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 226300 | 2RCS*REV21-STUD-21 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 226400 | 2RCS*REV21-STUD-22 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 226500 | 2RCS*REV21-STUD-23 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 226600 | 2RCS*REV21-STUD-24 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 226700 | 2RCS*REV21-STUD-25 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 226800 | 2RCS*REV21-STUD-26 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 226900 | 2RCS*REV21-STUD-27 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 227000 | 2RCS*REV21-STUD-28 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 227100 | 2RCS*REV21-STUD-29 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 227200 | 2RCS*REV21-STUD-30 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 227300 | 2RCS*REV21-STUD-31 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 227400 | 2RCS*REV21-STUD-32 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 227500 | 2RCS*REV21-STUD-33 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 227600 | 2RCS*REV21-STUD-34 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |

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2R09 Completed Code Exams

| SUMMARY | COMPID | CAT | ITEM NO | DESCRIPTION | ISO NO | METHOD | COMMENTS |
|---------|-----------------------|-------|---------|------------------------------|-----------|--------|----------|
| 227700 | 2RCS*REV21-STUD-35 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 227800 | 2RCS*REV21-STUD-36 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 227900 | 2RCS*REV21-STUD-37 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 228000 | 2RCS*REV21-STUD-38 | B-G-1 | B6.30 | BOLTING | E-1A-1 | UT, MT | |
| 232000 | 2RCS*REV21-WASHER-20 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 232100 | 2RCS*REV21-WASHER-21 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 232200 | 2RCS*REV21-WASHER-22 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 232300 | 2RCS*REV21-WASHER-23 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 232400 | 2RCS*REV21-WASHER-24 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 232500 | 2RCS*REV21-WASHER-25 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 232600 | 2RCS*REV21-WASHER-26 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 232700 | 2RCS*REV21-WASHER-27 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 232800 | 2RCS*REV21-WASHER-28 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 232900 | 2RCS*REV21-WASHER-29 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 233000 | 2RCS*REV21-WASHER-30 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 233100 | 2RCS*REV21-WASHER-31 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 233200 | 2RCS*REV21-WASHER-32 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 233300 | 2RCS*REV21-WASHER-33 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 233400 | 2RCS*REV21-WASHER-34 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 233500 | 2RCS*REV21-WASHER-35 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 233600 | 2RCS*REV21-WASHER-36 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 233700 | 2RCS*REV21-WASHER-37 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 233800 | 2RCS*REV21-WASHER-38 | B-G-1 | B6.50 | BOLTING | E-1A-1 | VT-1 | |
| 188200 | 2RCS*PRE21-B-01 TO 16 | B-G-2 | B7.20 | BOLTING | E-1D-1 | VT-1 | |
| 011000 | 107414-MJ-01-B-1 TO 8 | B-G-2 | B7.50 | PIPE BOLTING STUD BOLTS MJ-0 | 107414-4 | VT-1 | |
| 013300 | 107414-MJ-02-B-1 TO 4 | B-G-2 | B7.50 | PIPE BOLTING STUD BOLTS | 107414-4 | VT-1 | |
| 150700 | 2RCS-MOV585-B-1 TO 12 | B-G-2 | B7.70 | 2RCS-MOV585 STUDS AND NUTS | 110236-3 | VT-1 | |
| 264800 | 2SIS-108-B-1 TO 16 | B-G-2 | B7.70 | 2SIS-108 BOLTS | 1107107-3 | VT-1 | |
| 262600 | 2SIS-071-F508 | B-K | B10.20 | WELDED ATTACHMENT | 108207-3 | PT | |
| 528500 | 2RCS*SG21B-C-03 | C-A | C1.10 | SHELL CIRCUMFERENTIAL WELD | E-1B-1 | UT | |
| 529000 | 2RCS*SG21B-C-02 | C-A | C1.30 | TUBESHEET-TO-SHELL WELD # 2 | E-1B-1 | UT | |
| 487900 | 2MSS-043-F803 | C-C | C3.20 | WELDED ATTACHMENT | 100212-4 | MT | |
| 502100 | 2QSS-001-F801 | C-C | C3.20 | WELDED ATTACHMENT | 107933-3 | PT | |
| 502200 | 2QSS-001-F802 | C-C | C3.20 | WELDED ATTACHMENT | 107933-3 | PT | |
| 502300 | 2QSS-001-F803 | C-C | C3.20 | WELDED ATTACHMENT | 107933-3 | PT | |
| 502400 | 2QSS-001-F804 | C-C | C3.20 | WELDED ATTACHMENT | 107933-3 | PT | |

APPENDIX I
2R09 Completed Code Exams

| SUMMARY | COMPID | CAT | ITEM NO | DESCRIPTION | ISO NO | METHOD | COMMENTS |
|---------|----------------|-----|---------|----------------------|-----------|--------|---|
| 531610 | 2RHS-006-F-502 | C-C | C3.20 | WELDED ATTACHMENT | 107103-5 | PT | |
| 531611 | 2RHS-006-F-503 | C-C | C3.20 | WELDED ATTACHMENT | 107103-5 | PT | |
| 531612 | 2RHS-006-F-504 | C-C | C3.20 | WELDED ATTACHMENT | 107103-5 | PT | |
| 531613 | 2RHS-006-F-505 | C-C | C3.20 | WELDED ATTACHMENT | 107103-5 | PT | |
| 531614 | 2RHS-006-F-802 | C-C | C3.20 | WELDED ATTACHMENT | 107103-5 | PT | |
| 531615 | 2RHS-006-F-803 | C-C | C3.20 | WELDED ATTACHMENT | 107103-5 | PT | |
| 531616 | 2RHS-006-F-804 | C-C | C3.20 | WELDED ATTACHMENT | 107103-5 | PT | |
| 531617 | 2RHS-006-F-805 | C-C | C3.20 | WELDED ATTACHMENT | 107103-5 | PT | |
| 580600 | 2RSS-004-F826 | C-C | C3.20 | WELDED ATTACHMENT | 107950-4 | PT | |
| 580700 | 2RSS-004-F828 | C-C | C3.20 | WELDED ATTACHMENT | 107950-4 | PT | |
| 759400 | 2SIS-011-F800 | C-C | C3.20 | WELDED ATTACHMENT | 1107124-4 | PT | |
| 759500 | 2SIS-011-F801 | C-C | C3.20 | WELDED ATTACHMENT | 1107124-4 | PT | |
| 759600 | 2SIS-011-F802 | C-C | C3.20 | WELDED ATTACHMENT | 1107124-4 | PT | |
| 759700 | 2SIS-011-F803 | C-C | C3.20 | WELDED ATTACHMENT | 1107124-4 | PT | |
| 795910 | 2SVS-040-F-808 | C-C | C3.20 | WELDED ATTACHMENT | 100203-5 | MT | |
| 795920 | 2SVS-040-F-809 | C-C | C3.20 | WELDED ATTACHMENT | 100203-5 | MT | |
| 795930 | 2SVS-040-F-810 | C-C | C3.20 | WELDED ATTACHMENT | 100203-5 | MT | |
| 795940 | 2SVS-040-F-811 | C-C | C3.20 | WELDED ATTACHMENT | 100203-5 | MT | |
| 621350 | 2RSS*P21A-A-6 | C-C | C3.30 | WELDED ATTACHMENT | E-2M-2 | PT | |
| 621460 | 2RSS*P21A-A-8 | C-C | C3.30 | WELDED ATTACHMENT | E-2M-2 | PT | |
| 621800 | 2RSS*P21A-C-05 | C-G | C6.10 | PUMP CASING WELD # 5 | E-2M-2 | PT | |
| 622000 | 2RSS*P21A-C-07 | C-G | C6.10 | PUMP CASING WELD # 7 | E-2M-2 | PT | |
| 622200 | 2RSS*P21A-C-09 | C-G | C6.10 | PUMP CASING WELD # 9 | E-2M-2 | PT | Limited exam 70% coverage. Refer to RR 2TYP-2-C6.10-1 |
| 622300 | 2RSS*P21A-C-10 | C-G | C6.10 | PUMP CASING WELD #10 | E-2M-2 | PT | Limited exam 70% coverage. Refer to RR 2TYP-2-C6.10-1 |
| 622500 | 2RSS*P21A-C-12 | C-G | C6.10 | PUMP CASING WELD #12 | E-2M-2 | VT-2 | VT-2 based on RR 2TYP-2-C6.10-1 |
| 622700 | 2RSS*P21A-C-15 | C-G | C6.10 | PUMP CASING WELD #15 | E-2M-2 | VT-2 | VT-2 based on RR 2TYP-2-C6.10-1 |
| 622900 | 2RSS*P21A-C-17 | C-G | C6.10 | PUMP CASING WELD #17 | E-2M-2 | VT-2 | VT-2 based on RR 2TYP-2-C6.10-1 |
| 623000 | 2RSS*P21A-C-18 | C-G | C6.10 | PUMP CASING WELD #18 | E-2M-2 | VT-2 | VT-2 based on RR 2TYP-2-C6.10-1 |
| 621900 | 2RSS*P21A-L-06 | C-G | C6.10 | PUMP CASING WELD # 6 | E-2M-2 | PT | |
| 622100 | 2RSS*P21A-L-08 | C-G | C6.10 | PUMP CASING WELD # 8 | E-2M-2 | PT | |
| 622400 | 2RSS*P21A-L-11 | C-G | C6.10 | PUMP CASING WELD #11 | E-2M-2 | VT-2 | VT-2 based on RR 2TYP-2-C6.10-1 |
| 622600 | 2RSS*P21A-L-13 | C-G | C6.10 | PUMP CASING WELD #13 | E-2M-2 | VT-2 | VT-2 based on RR 2TYP-2-C6.10-1 |
| 622800 | 2RSS*P21A-L-16 | C-G | C6.10 | PUMP CASING WELD #16 | E-2M-2 | VT-2 | VT-2 based on RR 2TYP-2-C6.10-1 |
| 829500 | 2CCP-323-F-800 | D-A | D1.20 | WELDED ATTACHMENT | 107219-2 | VT-1 | |

APPENDIX I
2R09 Completed Code Exams

| SUMMARY | COMPID | CAT | ITEM NO | DESCRIPTION | ISO NO | METHOD | COMMENTS |
|---------|----------------|-----|---------|-------------------|-----------|--------|----------|
| 829600 | 2CCP-323-F-801 | D-A | D1.20 | WELDED ATTACHMENT | 107219-2 | VT-1 | |
| 829700 | 2CCP-323-F-802 | D-A | D1.20 | WELDED ATTACHMENT | 107219-2 | VT-1 | |
| 829800 | 2CCP-323-F-803 | D-A | D1.20 | WELDED ATTACHMENT | 107219-2 | VT-1 | |
| 829900 | 2CCP-323-F-804 | D-A | D1.20 | WELDED ATTACHMENT | 107219-2 | VT-1 | |
| 830000 | 2CCP-323-F-805 | D-A | D1.20 | WELDED ATTACHMENT | 107219-2 | VT-1 | |
| 827300 | 2CCP-431-F-502 | D-A | D1.20 | WELDED ATTACHMENT | 107217-2 | VT-1 | |
| 827400 | 2CCP-431-F-503 | D-A | D1.20 | WELDED ATTACHMENT | 107217-2 | VT-1 | |
| 827500 | 2CCP-431-F-504 | D-A | D1.20 | WELDED ATTACHMENT | 107217-2 | VT-1 | |
| 827600 | 2CCP-431-F-505 | D-A | D1.20 | WELDED ATTACHMENT | 107217-2 | VT-1 | |
| 814400 | 2CCP-473-F-500 | D-A | D1.20 | WELDED ATTACHMENT | 107206-2 | VT-1 | |
| 814500 | 2CCP-473-F-501 | D-A | D1.20 | WELDED ATTACHMENT | 107206-2 | VT-1 | |
| 814600 | 2CCP-473-F-502 | D-A | D1.20 | WELDED ATTACHMENT | 107206-2 | VT-1 | |
| 814700 | 2CCP-473-F-503 | D-A | D1.20 | WELDED ATTACHMENT | 107206-2 | VT-1 | |
| 861100 | 2FWE-076-F-800 | D-A | D1.20 | WELDED ATTACHMENT | 101601-2 | VT-1 | |
| 941550 | 2MSS-933-F5C | D-A | D1.20 | WELDED ATTACHMENT | 520155-1 | VT-1 | |
| 879900 | 2SVS-028-F-800 | D-A | D1.20 | WELDED ATTACHMENT | 101613-2 | VT-1 | |
| 171000 | 2RCS-PSA029 | F-A | F1.10A | SUPPORT | 110907-3 | VT-3 | |
| 156800 | 2RCS-PSA058 | F-A | F1.10A | SUPPORT | 1107139-3 | VT-3 | |
| 281200 | 2SIS-PSA521 | F-A | F1.10A | SUPPORT | 110790-2 | VT-3 | |
| 056900 | 2CHS-PSR002 | F-A | F1.10R | SUPPORT | 110768-2 | VT-3 | |
| 057000 | 2CHS-PSR003 | F-A | F1.10R | SUPPORT | 110768-2 | VT-3 | |
| 002200 | 2CHS-PSR034 | F-A | F1.10R | SUPPORT | 107404-2 | VT-3 | |
| 009500 | 2CHS-PSR665 | F-A | F1.10R | SUPPORT | 107414-4 | VT-3 | |
| 016400 | 2CHS-PSR676X | F-A | F1.10R | SUPPORT | 107419-2 | VT-3 | |
| 036400 | 2CHS-PSR679 | F-A | F1.10R | SUPPORT | 1107175-3 | VT-3 | |
| 056100 | 2CHS-PSR694 | F-A | F1.10R | SUPPORT | 110768-2 | VT-3 | |
| 036100 | 2CHS-PSR781 | F-A | F1.10R | SUPPORT | 1107175-3 | VT-3 | |
| 064700 | 2DGS-PSR092 | F-A | F1.10R | SUPPORT | 110772-3 | VT-3 | |
| 065100 | 2DGS-PSR095 | F-A | F1.10R | SUPPORT | 110772-3 | VT-3 | |
| 065800 | 2DGS-PSR099 | F-A | F1.10R | SUPPORT | 110772-3 | VT-3 | |
| 106600 | 2RCS-PSR650 | F-A | F1.10R | SUPPORT | 107009-4 | VT-3 | |
| 263100 | 2SIS-PRR816 | F-A | F1.10R | SUPPORT | 108207-3 | VT-3 | |
| 289700 | 2SIS-PSR086 | F-A | F1.10R | SUPPORT | 110801-3 | VT-3 | |
| 281800 | 2SIS-PSR518 | F-A | F1.10R | SUPPORT | 110790-2 | VT-3 | |
| 280700 | 2SIS-PSR524 | F-A | F1.10R | SUPPORT | 110790-2 | VT-3 | |
| 007200 | 2CHS-PSSH020B | F-A | F1.10S | SUPPORT | 107413-3 | VT-3 | |

APPENDIX I
2R09 Completed Code Exams

| SUMMARY | COMPID | CAT | ITEM NO | DESCRIPTION | ISO NO | METHOD | COMMENTS |
|---------|---------------|-----|---------|-------------|-----------|--------|----------|
| 051500 | 2CHS-PSSH278 | F-A | F1.10S | SUPPORT | 110765-2 | VT-3 | |
| 176800 | 2RCS-PSSH052 | F-A | F1.10S | SUPPORT | 110909-2 | VT-3 | |
| 107700 | 2RCS-PSSH652 | F-A | F1.10S | SUPPORT | 107009-4 | VT-3 | |
| 249500 | 2RHS-PSSH519X | F-A | F1.10S | SUPPORT | 107120-3 | VT-3 | |
| 262500 | 2SIS-PSSH011A | F-A | F1.10S | SUPPORT | 108207-3 | VT-3 | |
| 290800 | 2SIS-PSSH093X | F-A | F1.10S | SUPPORT | 110801-3 | VT-3 | |
| 018300 | 2CHS-PSST006A | F-A | F1.10T | SUPPORT | 107419-2 | VT-3 | |
| 007300 | 2CHS-PSST019 | F-A | F1.10T | SUPPORT | 107413-3 | VT-3 | |
| 056200 | 2CHS-PSST120 | F-A | F1.10T | SUPPORT | 110768-2 | VT-3 | |
| 018800 | 2CHS-PSST717X | F-A | F1.10T | SUPPORT | 107419-2 | VT-3 | |
| 163500 | 2RCS-PSST027 | F-A | F1.10T | SUPPORT | 110903-2 | VT-3 | |
| 108800 | 2RCS-PSST042 | F-A | F1.10T | SUPPORT | 107009-4 | VT-3 | |
| 271700 | 2SIS-PSST028 | F-A | F1.10T | SUPPORT | 1107127-2 | VT-3 | |
| 358100 | 2CHS-PSA155 | F-A | F1.20A | SUPPORT | 108318-4 | VT-3 | |
| 560400 | 2RHS-PSA512X | F-A | F1.20A | SUPPORT | 107122-4 | VT-3 | |
| 634200 | 2SDS-PSA027R | F-A | F1.20A | SUPPORT | 510070-4 | VT-3 | |
| 686900 | 2SIS-PSA053 | F-A | F1.20A | SUPPORT | 108346-4 | VT-3 | |
| 702800 | 2SIS-PSA114 | F-A | F1.20A | SUPPORT | 109923-5 | VT-3 | |
| 664500 | 2SIS-PSA331Y | F-A | F1.20A | SUPPORT | 108109-5 | VT-3 | |
| 452000 | 2CHS-PSR058C | F-A | F1.20R | SUPPORT | 410312-4 | VT-3 | |
| 453800 | 2CHS-PSR079C | F-A | F1.20R | SUPPORT | 410313-4 | VT-3 | |
| 399000 | 2CHS-PSR254Y | F-A | F1.20R | SUPPORT | 108398-4 | VT-3 | |
| 389700 | 2CHS-PSR274Y | F-A | F1.20R | SUPPORT | 108396-6 | VT-3 | |
| 393100 | 2CHS-PSR278Y | F-A | F1.20R | SUPPORT | 108397-6 | VT-3 | |
| 356400 | 2CHS-PSR288F | F-A | F1.20R | SUPPORT | 108317-4 | VT-3 | |
| 391950 | 2CHS-PSR866 | F-A | F1.20R | SUPPORT | 108397 | VT-3 | |
| 464900 | 2FWS-PSR003 | F-A | F1.20R | SUPPORT | 101702-4 | VT-3 | |
| 514400 | 2QSS-PSR205X | F-A | F1.20R | SUPPORT | 107941-4 | VT-3 | |
| 505600 | 2QSS-PSR732 | F-A | F1.20R | SUPPORT | 107934-3 | VT-3 | |
| 592400 | 2RSS-PSR131Y | F-A | F1.20R | SUPPORT | 107964-3 | VT-3 | |
| 639100 | 2SDS-PSR135R | F-A | F1.20R | SUPPORT | 510219-4 | VT-3 | |
| 762700 | 2SIS-PSR031A | F-A | F1.20R | SUPPORT | 1107126-4 | VT-3 | |
| 762400 | 2SIS-PSR033A | F-A | F1.20R | SUPPORT | 1107126-4 | VT-3 | |
| 763700 | 2SIS-PSR043 | F-A | F1.20R | SUPPORT | 1107126-4 | VT-3 | |
| 694600 | 2SIS-PSR044Y | F-A | F1.20R | SUPPORT | 108349-4 | VT-3 | |
| 685600 | 2SIS-PSR050 | F-A | F1.20R | SUPPORT | 108346-4 | VT-3 | |

APPENDIX I
2R09 Completed Code Exams

| SUMMARY | COMPID | CAT | ITEM NO | DESCRIPTION | ISO NO | METHOD | COMMENTS |
|---------|---------------|-----|---------|-------------|-----------|--------|----------|
| 690100 | 2SIS-PSR060 | F-A | F1.20R | SUPPORT | 108347-4 | VT-3 | |
| 703500 | 2SIS-PSR112 | F-A | F1.20R | SUPPORT | 109923-5 | VT-3 | |
| 789700 | 2SIS-PSR322S | F-A | F1.20R | SUPPORT | 111102-3 | VT-3 | |
| 665700 | 2SIS-PSR340Y | F-A | F1.20R | SUPPORT | 108110-4 | VT-3 | |
| 391150 | 2CHS-PSSH867 | F-A | F1.20S | SUPPORT | 263021 | VT-3 | |
| 487400 | 2MSS-PSSH006A | F-A | F1.20S | SUPPORT | 100212-4 | VT-3 | |
| 501900 | 2QSS-PSSH178A | F-A | F1.20S | SUPPORT | 107933-3 | VT-3 | |
| 559700 | 2RHS-PSSH514X | F-A | F1.20S | SUPPORT | 107122-4 | VT-3 | |
| 759300 | 2SIS-PSSH087X | F-A | F1.20S | SUPPORT | 1107124-4 | VT-3 | |
| 795900 | 2SVS-PSSH018 | F-A | F1.20S | SUPPORT | 100203-5 | VT-3 | |
| 392400 | 2CHS-PSST277Y | F-A | F1.20T | SUPPORT | 108397-6 | VT-3 | |
| 531600 | 2RHS-PSST035B | F-A | F1.20T | SUPPORT | 107103-5 | VT-3 | |
| 559200 | 2RHS-PSST517X | F-A | F1.20T | SUPPORT | 107122-4 | VT-3 | |
| 580550 | 2RSS-PSST587A | F-A | F1.20T | SUPPORT | 107950-4 | VT-3 | |
| 760800 | 2SIS-PSST035B | F-A | F1.20T | SUPPORT | 1107125-4 | VT-3 | |
| 826500 | 2CCP-PSA014 | F-A | F1.30A | SUPPORT | 107217-2 | VT-3 | |
| 829400 | 2CCP-PSA021 | F-A | F1.30A | SUPPORT | 107219-2 | VT-3 | |
| 861000 | 2FWE-PSA020Y | F-A | F1.30A | SUPPORT | 101601-2 | VT-3 | |
| 941551 | 2MSS-PSA499 | F-A | F1.30A | SUPPORT | 520155-1 | VT-3 | |
| 879800 | 2SVS-PSA238Y | F-A | F1.30A | SUPPORT | 101613-2 | VT-3 | |
| 928700 | 2SWS-R299 | F-A | F1.30H | SUPPORT | 311001-2 | VT-3 | |
| 827200 | 2CCP-PSR002 | F-A | F1.30R | SUPPORT | 107217-2 | VT-3 | |
| 822300 | 2CCP-PSR042 | F-A | F1.30R | SUPPORT | 107215-2 | VT-3 | |
| 814300 | 2CCP-PSR068 | F-A | F1.30R | SUPPORT | 107206-2 | VT-3 | |
| 835800 | 2CCP-PSR306 | F-A | F1.30R | SUPPORT | 107703-2 | VT-3 | |
| 838000 | 2CCP-PSR310 | F-A | F1.30R | SUPPORT | 107705-2 | VT-3 | |
| 865000 | 2FWE-PSR015Y | F-A | F1.30R | SUPPORT | 101606-2 | VT-3 | |
| 870100 | 2FWE-PSR029Y | F-A | F1.30R | SUPPORT | 101616-2 | VT-3 | |
| 867200 | 2FWE-PSR060Y | F-A | F1.30R | SUPPORT | 101609-2 | VT-3 | |
| 878600 | 2SVS-PSR235Y | F-A | F1.30R | SUPPORT | 101613-2 | VT-3 | |
| 885200 | 2SWS-PSR041 | F-A | F1.30R | SUPPORT | 101908-2 | VT-3 | |
| 887800 | 2SWS-PSR063Y | F-A | F1.30R | SUPPORT | 101910-2 | VT-3 | |
| 890300 | 2SWS-PSR070 | F-A | F1.30R | SUPPORT | 101912-2 | VT-3 | |
| 890100 | 2SWS-PSR071 | F-A | F1.30R | SUPPORT | 101912-2 | VT-3 | |
| 894900 | 2SWS-PSR128Y | F-A | F1.30R | SUPPORT | 101921-2 | VT-3 | |
| 836300 | 2CCP-PSSH314 | F-A | F1.30S | SUPPORT | 107704-2 | VT-3 | |

APPENDIX I
2R09 Completed Code Exams

| SUMMARY | COMPID | CAT | ITEM NO | DESCRIPTION | ISO NO | METHOD | COMMENTS |
|---------|----------------------|-----|---------|-------------------------|----------|--------|----------|
| 864800 | 2FWE-PSSH016A | F-A | F1.30S | SUPPORT | 101606-2 | VT-3 | |
| 898600 | 2SWS-PSSH761 | F-A | F1.30S | SUPPORT | 101925-3 | VT-3 | |
| 844050 | 2CCP-PSST939 | F-A | F1.30T | SUPPORT | 110709-3 | VT-3 | |
| 461800 | 2CHS*E25A-SUPP | F-A | F1.40E | LUBE OIL COOLER SUPPORT | E-2H-1 | VT-3 | |
| 462300 | 2CHS*P21A-WS-1 | F-A | F1.40E | PUMP SUPPORT | E-2H-1 | VT-3 | |
| 462310 | 2CHS*P21A-WS-2 | F-A | F1.40E | PUMP SUPPORT | E-2H-1 | VT-3 | |
| 462320 | 2CHS*P21A-WS-3 | F-A | F1.40E | PUMP SUPPORT | E-2H-1 | VT-3 | |
| 462330 | 2CHS*P21A-WS-4 | F-A | F1.40E | PUMP SUPPORT | E-2H-1 | VT-3 | |
| 209000 | 2RCS*REV21-CRDM-WS-A | F-A | F1.40E | CRDM SEISMIC SUPPORT | E-1A-1 | VT-3 | |
| 209100 | 2RCS*REV21-CRDM-WS-B | F-A | F1.40E | CRDM SEISMIC SUPPORT | E-1A-1 | VT-3 | |
| 209200 | 2RCS*REV21-CRDM-WS-C | F-A | F1.40E | CRDM SEISMIC SUPPORT | E-1A-1 | VT-3 | |
| 209300 | 2RCS*REV21-CRDM-WS-D | F-A | F1.40E | CRDM SEISMIC SUPPORT | E-1A-1 | VT-3 | |
| 209400 | 2RCS*REV21-CRDM-WS-E | F-A | F1.40E | CRDM SEISMIC SUPPORT | E-1A-1 | VT-3 | |
| 209500 | 2RCS*REV21-CRDM-WS-F | F-A | F1.40E | CRDM SEISMIC SUPPORT | E-1A-1 | VT-3 | |
| 878200 | 2RHS*E22A-WS-1 | F-A | F1.40E | SADDLE STRUCT SUPPORT | E-3E-1 | VT-3 | |

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> |
|-----------------|--------------------|-------------------------|-----------------|
| 1181 | 2SWS-003-057-3 | 99-077639-000 | Replacement |
| 1182 | 2SWS-004-045-3 | 99-077638-000, 004, 007 | Replacement |
| " | 2SWS-PSR592 | " | Repaired |
| 1183 | 2-SWS-003-055-3 | 99-077640-000 | Replacement |
| " | " | 00-020491-006 | " |
| 1184 | 2-SWS-003-518-3 | 99-077641-000 | Replacement |
| 1185 | 2-SWS-003-061-3 | 99-077637-000 | Replacement |
| " | 2SWS-PSR590 | 99-077637-007 | Repaired |
| " | 2SWS-151 | 99-077637-010 | Repaired |
| 1186 | 2-SWS-003-059-3 | 99-077630-000, 004 | Replacement |
| 1187 | 2-SWS-003-051-3 | 99-077629-000 | Replacement |
| 1188 | 2-SWS-003-517-3 | 99-077634-000 | Replacement |
| 1189 | 2-SWS-003-053-3 | 99-077633-000 | Replacement |
| 1190 | 2-SWS-003-052-3 | 99-077636-000 | Replacement |
| " | 2SWS-PSR584 | 99-077636-004 | Repaired |
| 1191 | 2SWS-004-044-3 | 99-077635-000 | Replacement |
| " | 2SWS-PSR57 | 99-077635-004 | Repaired |
| 1192 | 2-SWS-004-046-3 | 99-077628-000 | Replacement |
| 1193 | 2-SWS-003-054-3 | 99-077632-000 | Replacement |
| 1194 | 2-SWS-004-047-3 | 99-077631-000 | Replacement |
| 1233 | 2SWS-481 | 99-225148-000 | Repaired |
| 1391 | 2HVC-CND24A | 00-008278-002 | Repaired |
| 1394 | 2HVC-CND24B | 00-020491-002 | Repaired |
| 1419 | 2RCS-MOV557B | 00-030531-000 | Repaired |
| 1420 | 2RCS-MOV556A | 00-030569-000 | Replacement |
| 1439 | 2RCS-PCV455D | 01-005097-000 | Replacement |
| 1441 | 2RCS-PCV456 | 01-005149-000 | Replacement |
| 1443 | 2SWS-57 | 01-007431-000 | Replacement |
| 1444 | 2-SWS-006-187-3 | DCP-2419 | Replacement |
| " | 2-SWS-006-189-3 | " | " |
| " | 2SWS-1230 | " | " |
| " | 2SWS-1231 | " | " |
| 1451 | 2SVS-82 | 01-005773-000 | Replacement |
| 1455 | 2SWS-58 | 01-008022-000 | Replacement |
| 1469 | 2RCS-MOV556C | 00-030954-000 | Replacement |
| 1471 | 2SWS-59 | 01-008736-000 | Replacement |
| 1472 | 2SVS-PCV101B | 99-218565-000 | Replacement |
| 1474 | 2RCS-RV551C | 01-004194-000 | Replacement |
| 1477 | 2-SWS-003-182-3 | 01-022178-000 | Replacement |
| " | 2SWS-PSR101 | " | " |
| 1512 | 2RCS-P21C | 01-008840-000 | Replacement |
| 1510 | 2MSS-SOV105C | 00-016955-000 | Replacement |
| 1514 | 2RCS-5 | 00-030726-003 | Replacement |
| 1515 | 2RHS-P21B | DCP-2371 | Replacement |

NIS-2 ABSTRACT

| <u>FORM NO.</u> | <u>MARK NUMBER</u> | <u>WORK ORDER NO.</u> | <u>COMMENTS</u> |
|-----------------|--------------------|-----------------------|-----------------|
| 1516 | 2-SWS-002-104-3 | 02-001510-000 | Replacement |
| " | 2-SWS-002-095-3 | " | " |
| " | 2-SWS-002-105-3 | " | " |
| " | 2-SWS-002-755-3 | " | " |
| " | 2-SWS-150-968-3 | " | " |
| 1517 | 2SIS-122 | 00-007837-000 | Repaired |
| 1518 | 2RCS-7 | 00-030727-003 | Replacement |
| 1520 | 2MSS-17 | 02-001112-000 | Replacement |
| 1522 | 2CHS-HCV389 | 02-002476-000 | Replacement |
| 1525 | 2RCS-SG21A | P.O. 7024829 | Repaired |
| 1526 | 2RCS-SG21B | P.O. 7024829 | Repaired |
| 1527 | 2RCS-SG21C | P.O. 7024829 | Repaired |
| 1528 | 2CHS-RV382B | 01-020747-000 | Replacement |
| 1529 | 2RHS-RV721B | 02-001355-000 | Replacement |
| 1531 | 2-CHS-004-357-2 | DCP-2435 | Replacement |
| " | 2-CHS-003-070-2 | " | " |
| " | 2CHS-815 | " | Replaced |
| " | 2-CHS-150-672-2 | " | " |
| " | 2-CHS-002-275-2 | " | Replacement |
| " | 2-CHS-003-977-2 | " | " |
| " | 2CHS-PSR866 | " | " |
| " | 2CHS-PSSH867 | " | " |
| 1534 | 2RCS-PSSP035X | 01-008964-000 | Replacement |
| " | 2RCS-PSSP883A | " | " |
| " | 2RCS-PSSP883B | " | " |
| " | 2RCS-PSSP884A | " | " |
| " | 2RCS-PSSP885 | " | " |
| 1535 | 2RCS-PSSP009A | 01-008967-000 | Replacement |
| " | 2RCS-PSSP015X | " | " |
| " | 2RCS-PSSP026B | " | " |
| " | 2RCS-PSSP029X | " | " |
| " | 2RCS-PSSP890 | " | " |
| " | 2RCS-PSSP891B | " | " |
| " | 2RCS-PSSP892A | " | " |
| " | 2RCS-PSSP893 | " | " |
| " | 2RCS-PSSP896 | " | " |
| " | 2RCS-PSSP897 | " | " |
| " | 2RCS-PSSP007X | " | " |
| " | 2RCS-PSSP023X | " | " |
| " | 2RCS-PSSP898 | " | " |
| 1536 | 2CHS-PSSP308A | " | Replacement |
| 1537 | 2BDG-PSSP927 | 01-008984-000 | Replacement |
| 1538 | 2CCP-PSSP301 | 01-008986-000 | Replacement |
| 1539 | 2EDG-PSSP029B | 01-008989-000 | Replacement |

NIS-2 ABSTRACT

| <u>FORM NO.</u> | <u>MARK NUMBER</u> | <u>WORK ORDER NO.</u> | <u>COMMENTS</u> |
|-----------------|--------------------|-----------------------|-----------------|
| 1540 | 2SIS-PSSP014A | 01-008998-000 | Replacement |
| 1541 | 2SIS-PSSP450X | 01-009001-000 | Replacement |
| 1542 | 2SIS-PSSP358Y | 01-009003-000 | Replacement |
| " | 2SIS-PSSP366Y | " | " |
| 1543 | 2SIS-PSSP006A | 01-009011-000 | Replacement |
| " | 2SIS-PSSP006B | " | " |
| " | 2SIS-PSSP208X | " | " |
| " | 2SIS-PSSP451X | " | " |
| " | 2SIS-PSSP492 | " | " |
| 1544 | 2MSS-PSSP110 | 01-009012-000 | Replacement |
| " | 2MSS-PSSP165 | " | " |
| " | 2MSS-PSSP476 | " | " |
| 1545 | 2QSS-PSSP129Y | 01-009014-000 | Replacement |
| " | 2QSS-PSSP131Y | " | " |
| 1546 | 2QSS-PSSP154X | 01-009015-000 | Replacement |
| 1547 | 2RHS-PSSP007 | 01-009016-000 | Replacement |
| " | 2RHS-PSSP522X | " | " |
| 1548 | 2SWS-PSSP769A | 01-009020-000 | Replacement |
| " | 2SWS-PSSP770A | " | " |
| " | 2SWS-PSSP774Y | " | " |
| 1549 | 2SWS-PSSP752 | 01-009021-000 | Replacement |
| " | 2SWS-PSP766A | " | " |
| " | 2SWS-PSSP768Y | " | " |
| " | 2SWS-PSSP830Y | " | " |

Form No. 1181

FORM NIS-2 OWNER'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 02/19/02
 Sheet 1 of 2

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

Unit No. 2
WO# 99-077639-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-003-057-3 | 2000 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-057-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-003-057-3 | 2000 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-003-057-3 | 1986 | Replaced | Yes |

7. Description of Work Replace pipeline 2-SWS-003-057-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2-SWS-003-520-3 to 2-SWS-004-045-3

Piping replaced in accordance with Code Case N-416-1

All material was purchased to ASME III CL-3

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 Rechie L. Proffitt Nuclear Instructor Date 2/19, 2002
Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R. I. have inspected the components described in the Owner's Report during the period 10/25/99 to 2/23/02, 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 23, 2002

Form No. 1182

FORM NIS-2 OWNER'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 02/19/02
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO# 99-077638-000, 004, 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 ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-004-045-3 | 2000 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-004-045-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-004-045-3 | 2000 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-004-045-3 | 1986 | Replaced | Yes |
| Support, Restraint | FENOC | N/A | N/A | 2SWS-PSR592 | 2000 | Repaired | No |

7. Description of Work Replace pipeline 2-SWS-004-045-3.

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

FORM NIS-2 (Back)

9. Remarks Piping segment 1 from 2-SWS-003-057-3

Piping replaced in accordance with Code Case N-416-1

Restraint Support 2SWS-PSR592 was removed to replace piping and re-installed.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 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 L. Proffitt Nuclear Inspector Date 02/20, 2002
Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R. I. have inspected the components described in the Owner's Report during the period 10/25/99 to 3/4/02, 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) PA2182
Inspector's Signature National Board, State, Province, and Endorsements

Date March 4, 20 02

Form No. 1183

**FORM NIS-2 OWNER'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 02/19/02

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

Sheet 1 of 2

2. Plant Beaver Valley Power Station
(NAME)

Unit No. 2

Shippingport, PA 15077
(ADDRESS)

WO# 99-077640-000 & 00-020491-006
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENCO Maintenance
(NAME)

Type Code Symbol Stamp Not Applicable

Shippingport, PA.
(ADDRESS)

Authorization No. N/A

Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-003-055-3 | 2000 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-055-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-003-055-3 | 2000 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-003-055-3 | 1986 | Replaced | Yes |

7. Description of Work Replace pipeline 2-SWS-003-055-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2HCV-REF24B to 2-SWS-002-962-3
Piping replaced in accordance with Code Case N-416-1
All material was purchased to ASME III CL-3

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 L. Proffitt Nuclear Instructor Date 02/19, 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 10/25/99 to 3/1/02, 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 March 1, 2002

Form No. 1184

FORM NIS-2 OWNER'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 02/19/02

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

Sheet 1 of 2

2. Plant Beaver Valley Power Station
(NAME)

Unit No. 2

Shippingport, PA 15077
(ADDRESS)

WO# 99-077641-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENCO Maintenance
(NAME)

Type Code Symbol Stamp Not Applicable

Shippingport, PA.
(ADDRESS)

Authorization No. N/A

Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-003-518-3 | 2000 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-518-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-003-518-3 | 2000 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-003-518-3 | 1986 | Replaced | Yes |

7. Description of Work Replace pipeline 2-SWS-003-518-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2-SWS-003-055-3 to 2-SWS-003-057-3
Piping replaced in accordance with Code Case N-416-1
All material was purchased to ASME III CL-3

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 Andie L. Proffitt Nuclear Instructor Date 2/19, 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 10/25/99 to 2/23/02 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 23, 20 02

Form No. 1185

FORM NIS-2 OWNER'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 02/19/02
 Sheet 1 of 2

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

Unit No. 2
WO# 99-077637-000, 006, 007, 010
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111.19.71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-003-061-3 | 2000 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-061-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-003-061-3 | 2000 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-003-061-3 | 1986 | Replaced | Yes |
| Support, Restraint | FENOC | N/A | N/A | 2SWS-PSR590 | 2000 | Repaired | No |
| Valve | Walworth Co. | D-66389 | 1881 | 2SWS-151 | 1980 | Repaired | Yes |

7. Description of Work Replace pipeline 2-SWS-003-061-3. Weld repaired Body Indication.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2HVC-ACV201A to 2-SWS-004

Piping replaced in accordance with Code Case N-416-1

Restraint Support 2SWS-PSR590 was removed to replace piping and re-installed.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 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 10/25/99 to 2/23/02 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 NB 7509 (N.I.) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 23, 20 02

Form No. 1186

**FORM NIS-2 OWNER'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 02/19/02

Sheet 1 of 2

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

Unit No. 2

WO# 99-077630-000, 004
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-003-059-3 | 2001 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-059-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-003-059-3 | 2001 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-003-059-3 | 1986 | Replaced | Yes |

7. Description of Work Replace pipeline 2-SWS-003-059-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced pipeline from 2HVC-ACU201A to 2-SWS-004-047-3

Piping replaced in accordance with Code Case N-416-1

All material installed meets ASME III CL-3 requirements. A 3" elbow Heat # JZY1 installed from PO D120687 was purchased as ANSI B31.1 A234 but meets the ASME III CL 3 SA234 requirements.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 L. Poffitt Nuclear Instructor Date 2/19 2002
Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R. I. have inspected the components described in the Owner's Report during the period 10/25/99 to 2/23/02 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 Amosch Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 23 20 02

Form No. 1187

FORM NIS-2 OWNER'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 02/18/02

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

Sheet 1 of 2

2. Plant Beaver Valley Power Station
(NAME)

Unit No. 2

Shippingport, PA 15077
(ADDRESS)

WO# 99-077629-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENCO Maintenance
(NAME)

Type Code Symbol Stamp Not Applicable

Shippingport, PA
(ADDRESS)

Authorization No. N/A

Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-003-051-3 | 2001 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-051-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-003-051-3 | 2001 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-003-051-3 | 1986 | Replaced | Yes |

7. Description of Work Replace pipeline 2-SWS-003-051-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2-SWS-004-046-3 TO 2 HVC-AC

Piping replaced in accordance with Code Case N-416-1

All material was purchased to ASME III CI-2.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 L. Proffitt Nuclear Instructor Date 2/18, 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 10/25/99 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. 1188

FORM NIS-2 OWNER'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 02/19/02
 Sheet 1 of 2

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

Unit No. 2
WO# 99-077634-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-003-517-3 | 2001 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-517-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-003-517-3 | 2001 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-003-517-3 | 1986 | Replaced | Yes |

7. Description of Work Replace pipeline 2-SWS-003-517-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2-SWS-003-053-3 to 2-SWS-003-054-3
Piping replaced in accordance with Code Case N-416-1
All material was purchased to ASME III CL-3

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 L. Parfitt Nuclear Instructor Date 2/19, 2002
Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R. I. have inspected the components described in the Owner's Report during the period 10/25/99 to 2/23/02 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 Feb 23, 2002

Form No. 1189

FORM NIS-2 OWNER'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 02/05/02
 Sheet 1 of 2

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

Unit No. 2
WO# 99-07763-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | FENCO | N/A | N/A | 2-SWS-003-053-3 | 2001 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-053-3 | 1986 | Replaced | Yes |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replace pipeline from 2HVC-REF24A to 2-SWS-002-9

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

FORM NIS-2 (Back)

9. Remarks Piping replaced in accordance with Code Case N-416-1

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement 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 L. Proffit Nuclear TRAINING Date 2/5, 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 10/25/99 to 2/7/02, 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 Cemoch
Inspector's Signature

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

Date Feb. 7, 2002

Form No. 1190

FORM NIS-2 OWNER'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 02/20/02
 Sheet 1 of 2

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

Unit No. 2
WO# 99-077636-000, 004, 005
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5
 (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 | 2-SWS-003-052-3 | 2000 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-052-3 | 1986 | Replaced | Yes |
| Fittings | FENOG | N/A | N/A | 2-SWS-003-052-3 | 2000 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-003-052-3 | 1986 | Replaced | Yes |
| Support, Restraint | FENOC | N/A | N/A | 2SWS-PSR584 | 2000 | Repaired | No |

7. Description of Work Replace pipeline 2-SWS-003-052-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2-SWS-004-044-3 to 2HVC-ACU201B

Piping replaced in accordance with Code Case N-416-1

Restraint Support 2SWS-PSR584 was removed to replace piping and re-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 Archie L. Proffitt Nuclear Instructor 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 10/25/09 to 02/25/02 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. Crouch
Inspector's Signature

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

Date Feb 25, 2002

Form No. 1191

**FORM NIS-2 OWNER'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 02/20/02

Sheet 1 of 2

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

Unit No. 2

WO# 99-077635-000, 004
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-004-044-3 | 2000 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-004-044-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-004-044-3 | 2000 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-004-044-3 | 1986 | Replaced | Yes |
| Support, Restraint | FENOC | N/A | N/A | 2SWS-PSR57 | 2000 | Repaired | No |

7. Description of Work Replace pipeline 2-SWS-004-044-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2-SWS-006-042-3 to 2-SWS-003-052-3

Piping replaced in accordance with Code Case N-416-1

Restraint Support 2SWS-PSR587 was removed to replace piping and re-installed.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Rechie L. Proffitt Nuclear Instructor 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 10/25/99 to 2/24/02 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 Feb 24, 2002

Form No. 1192

**FORM NIS-2 OWNER'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 02/18/02

Sheet 1 of 2

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

Unit No. 2

WO# 99-077628-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-004-046-3 | 2001 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-004-046-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-004-046-3 | 2001 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-004-046-3 | 1986 | Replaced | Yes |

7. Description of Work Replace pipeline 2-SWS-004-046-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2-SWS-006-043-3 TO 2 SWS-003-051-3
Piping replaced in accordance with Code Case N-416-1
All material was purchased to ASME III CI-2.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 Arthur L. Proffitt Nuclear Inspector Date 02/22, 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 10/25/99 to 2/22/02 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 NB 7509 (N.I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 22, 2002

Form No. 1193

FORM NIS-2 OWNER'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 02/19/02
 Sheet 1 of 2

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

Unit No. 2
WO# 99-077632-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111.19.71 Edition, W72 Addenda, N/A
Code Case See N-5

(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 | 2-SWS-003-054-3 | 2001 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-003-054-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-003-054-3 | 2001 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-003-054-3 | 1986 | Replaced | Yes |

7. Description of Work Replace pipeline 2-SWS-003-054-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced from 2-SWS-003-519-3 to 2-SWS-004-047-3
Piping replaced in accordance with Code Case N-416-1
All material was purchased to ASME III CI-2.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 L. Proffit, Nuclear Inspector Date 2/19, 2002
Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R. I. have inspected the components described in the Owner's Report during the period 10/25/99 to 2/23/02, 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 Cmosch
Inspector's Signature

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

Date Feb. 23, 2002

Form No. 1194

FORM NIS-2 OWNER'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 02/19/02

76 South Main Street - Akron, OH 44308

(ADDRESS)

Sheet 1 of 2

2. Plant Beaver Valley Power Station

(NAME)

Unit No. 2

Shippingport, PA 15077

(ADDRESS)

WO# 99-077631-000

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

3. Work Performed By FENCO Maintenance

(NAME)

Type Code Symbol Stamp Not Applicable

Shippingport, PA.

(ADDRESS)

Authorization No. N/A

Expiration Date _____

4. Identification of System River/Service Water (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111.19 71 Edition, W72 Addenda, N/A
 Code Case See N-5

(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 | 2-SWS-004-047-3 | 2001 | Replacement | No |
| Piping | Schneider Power | N/A | N/A | 2-SWS-004-047-3 | 1986 | Replaced | Yes |
| Fittings | FENOC | N/A | N/A | 2-SWS-004-047-3 | 2001 | Replacement | No |
| Fittings | Schneider Power | N/A | N/A | 2-SWS-004-047-3 | 1986 | Replaced | Yes |

7. Description of Work Replace pipeline 2-SWS-004-047-3.

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

FORM NIS-2 (Back)

9. Remarks Piping replaced segment 1 from 2-SWS-003-054-3
Piping replaced in accordance with Code Case N-416-1
All material was purchased to ASME III CI-2.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 L Profit, NUCLEAR Inspector Date 2/19, 2002
Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R. I. have inspected the components described in the Owner's Report during the period 10/25/99 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 Amoch Commissions NB7509(V,I)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 21, 2002

Form No. 1233

FORM NIS-2 OWNER'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 02/05/02
 Sheet 1 of 2

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

Unit No. 2
WO# 99-225148-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System River/Service Water (class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 71E Edition, S72A 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 | Walworth | 1471 | N/A | 2SWS-481 | N/A | Repaired | Yes |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Added approx. 1/8" weld buildup to each side of the top of the wedge where it connects to the stem.

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 for this valve.

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 Reckie T. Peaffet Training Instructor Date 2/5, 2002
Owner or Owner's Designee, TIR

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 1/5/00 to 2/7/02, 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 NB 7509 (N.I) PA 2162
National Board, State, Province, and Endorsements

Date Feb 7, 2002

Form No. 1391

FORM NIS-2 OWNER'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 02/11/02

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

Sheet 1 of 6

2. Plant Beaver Valley Power Station
(NAME)

Unit No. 2

Shippingport, PA 15077
(ADDRESS)

WO# 00-008278-002
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By FENCO Maintenance
(NAME)

Type Code Symbol Stamp Not Applicable

Shippingport, PA.
(ADDRESS)

Authorization No. N/A

Expiration Date _____

4. Identification of System 44A Vent/Control Area (Class 3)

5. (a) Applicable Construction Code Section III 19 74 Edition, S74 Addenda, N/A

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

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built * | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------------|-------------------------|--------------------|----------------------|--------------|------------------------------------|-------------------------------|
| Nozzle | Astro Nuclear/ Dynamics | M1047-1 thru 4 | N/A | 2HVC-CND24A | 1996 | Repair | Yes |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Weld repaired and machined nozzle surface

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

FORM NIS-2 (Back)

9. Remarks NPP-1 Data Report attached. Unable to determine which s/n number was used.

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 Archie L. Proffitt Nuclear Inspector Date , 20
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 12/5/00 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) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 21, 2002

FORM NPP-1 DATA REPORT FOR FABRICATED NUCLEAR PIPING SUBASSEMBLIES*
As Required by the Provisions of the ASME Code Rules, Section III, Div. 1.

1. Fabricated by Astro Nuclear/Dynamics Inc., Bethel Park, PA 15102 Order No. N-1047
(Name and Address of NPT Certificate Holder)

2. Fabricated for Duquesne Light Company Order No. D149353
(Name and Address)

3. Owner Duquesne Light Company 4. Location of Plant Shippingport, PA 15077

5. Piping System Identification S/Ns: M1047-1 & M1047-2 for A/C Heat Exchanger
(Brief description of intended use, main coolant etc.)

(a) Drawing No. A10504G01 Rev. 1 Prepared by Astro Nuclear/Dynamics Inc.

(b) National Board No. N/A

6. The material, design, construction, and workmanship complies with ASME Code Section III, Class 3
Edition 1989, Addenda Date No, Case No. N/A

Remarks: Certificate Holders' Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report. None
(Name of Part - Item number, Certificate Holder's name, and identifying stamp)

7. Shop Hydrostatic Test 225 psi. for 1 hour

8. Description of piping inspected Spool piece consisting of: flange, pipe & flange
(Include - mark no. - material spec. - nom. pipe size - schedule or thickness - length - fittings - flanges, etc.)

| | | | |
|--------|---------------|--------|--------------|
| Flange | SA-515 GR. 70 | 3" | HT: 421T6101 |
| Pipe | SA-106 GR. B | SCH 80 | HT: N89007 |
| Flange | SA-105 | 150# | HT: S1077 |

Overall length of Group 1 is 5.18"

We certify that the statements made in this report are correct and that the fabrication of the described piping conforms with the requirements of SECTION III of the ASME BOILER AND PRESSURE VESSEL CODE.

Date 12/4/96 Signed Astro Nuclear/Dynamics Inc. By Donald P. May
(NPT Certificate Holder)

Certificate of Authorization Expires August 9, 1998 Certificate of Authorization No. N-2869

CERTIFICATE OF SHOP INSPECTION

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

have inspected the piping described on this Data Report on 12-04-96 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this piping in accordance with the applicable Subsections of ASME Code, Section III.

By signing this certificate, neither the Inspector nor his employer make any warranty, expressed or implied, concerning the piping 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. * Factory Mutual Engrg. Assn.

Date 12-04-96, 19 96
[Signature] Commissions PA-2646
(Inspector) National Board, State, Province and No.

* S. 101.1-101.1.1 (a) Information sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1, 2, and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 8.

FORM NPP-1 (Back)

Inspection of Field Fabrication

Field Hydrostatic Test _____ psi.

I certify that the field fabrication of the described piping conforms with the requirements of SECTION III of the ASME BOILER AND PRESSURE VESSEL Code, Class _____, Edition _____, Addenda Date _____ Case No. _____

Signed _____ (NPT Certificate of Authorization) By _____ (Representative) _____ 19 _____

My Certification of Authorization to use the _____ Symbol Expires _____ 19 _____ Certificate of Authorization No. _____

CERTIFICATE OF FIELD FABRICATION INSPECTION

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

and employed by _____ of _____ have compared the statements in this Data Report with the described piping and state that the 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 NPT Certificate Holder has constructed this piping in accordance with the applicable section of the ASME CODE SECTION III.

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

Date _____ 19 _____

Inspector _____ Commissions _____ National Board, State, Province and No. _____

FORM NPP-1 DATA REPORT FOR FABRICATED NUCLEAR PIPING SUBASSEMBLIES*
As Required by the Provisions of the ASME Code Rules, Section III, Div. 1.

Fabricated by Astro Nuclear/Dynamics Inc., Bethel Park, PA 15102 Order No. M-1047
(Name and Address of NPT Certificate Holder)

Indicated for Duquesne Light Company POBox 4, Shippingport, PA 15077 Order No. D149353
(Name and Address)

Owner Duquesne Light Company 4. Location of Plant Shippingport, PA 15077

Piping System Identification S/Ns: M1047-3 & M1047-4 for A/C Heat Exchanger
(Brief description of intended use, main coolant etc.)

(a) Drawing No. A10504G01 Rev. 1 Prepared by Astro Nuclear/Dynamics Inc.
(b) National Board No. N/A

The material, design, construction, and workmanship complies with ASME Code Section III, Class 3
Edition 1989, Addenda Date No, Case No. N/A
Remarks: Certificate Holders' Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report. None
(Name of Part - Item number, Certificate Holder's name, and identifying stamp)

Shop Hydrostatic Test 225 psi for 1 hour

Description of piping inspected Spool piece consisting of: flange, pipe & flange
(include - mark no. - material spec. - nom. pipe size - schedule or thickness - length - fittings - flanges, etc.)

| | | | |
|--------|---------------|--------|--------------|
| Flange | SA-515 GR. 70 | 3" | HT: 421T6101 |
| Pipe | SA-106 GR. B | SCH 80 | HT: N89007 |
| Flange | SA-105 | 150# | HT: S1077 |

Overall length of Group 1 is 5.18".

We certify that the statements made in this report are correct and that the fabrication of the described piping conforms with the requirements of SECTION III of the ASME BOILER AND PRESSURE VESSEL CODE.

Date 12/11/96 Signed Astro Nuclear/Dynamics Inc. By Donald C. Gray
(NPT Certificate Holder)

Certificate of Authorization Expires August 9, 1998 Certificate of Authorization No. N-2869

CERTIFICATE OF SHOP INSPECTION

the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Protection Mutual Insurance Co.* of Norwood, MA

we inspected the piping described on this Data Report on 12/11/96 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this piping in accordance with the applicable Subsections of ASME Code, Section III.

By signing this certificate, neither the Inspector nor his employer make any warranty, expressed or implied, concerning the piping 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 connected with this inspection. *Factory Mutual Eng'g. Assn.

Inspected by Robert J. ... 19 96
(Inspector) Commissions NB 2214A P 0245
National Board, State, Province and No.

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

FORM NPP-1 (Back)

Description of Field Fabrication

Field Hydrostatic Test _____ psi.

I certify that the field fabrication of the described piping conforms with the requirements of SECTION III of the ASME BOILER AND PRESSURE VESSEL Code, Class _____, Edition _____, Addenda Date _____ Case No. _____

Signed _____ (NPT Certificate of Authorization) By _____ (Representative)

Certification of Authorization to use the _____ Symbol Expires _____ 19 _____ Certificate of Authorization No. _____

CERTIFICATE OF FIELD FABRICATION INSPECTION

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

am employed by _____ of _____

and have compared the statements in this Data Report with the described piping and state that the parts referred to as data items, _____ not included in the certificate of shop inspection have been inspected

and that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this piping in accordance with the applicable section of the ASME CODE SECTION III.

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

Signed _____ 19 _____ Inspector _____ Commissions _____ National Board, State, Province and No. _____

Form No. 1394

FORM NIS-2 OWNER'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 02/11/02
 Sheet 1 of 6

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

Unit No. 2
WO# 00-020491-002
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System 44A Vent/Control Area (Class 3)

5. (a) Applicable Construction Code Section III 19 74 Edition, S74 Addenda, N/A

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

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built * | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|------------------------|-------------------------|--------------------|----------------------|--------------|------------------------------------|-------------------------------|
| Nozzle | Astro Nuclear/Dynamics | M1047-1 thru 4 | N/A | 2HVC-CND24B | 1996 | Repair | Yes |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Weld repaired and machined nozzle surface

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

FORM NIS-2 (Back)

9. Remarks NPP-1Data Report attached. Unable to determine which s/n number was used.

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 Arthur L. Proffitt Nuclear Instructor Date 2/12, 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 2/2/01 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, 2002

FORM NPP-1 DATA REPORT FOR FABRICATED NUCLEAR PIPING SUBASSEMBLIES*
As Required by the Provisions of the ASME Code Rules, Section III, Div. 1.

1. Fabricated by Astro Nuclear/Dynamics Inc., Bethel Park, PA 15102 Order No. M-1047
(Name and Address of NPT Certificate Holder)

2. Fabricated for Duquesne Light Company POBox 4, Shippingport, PA 15077 Order No. D149353
(Name and Address)

3. Owner Duquesne Light Company 4. Location of Plant Shippingport, PA 15077

5. Piping System Identification S/Ns: M1047-3 & M1047-4 for A/C Heat Exchanger
(Brief description of intended use, main coolant etc.)

(a) Drawing No. A10504G01 Rev. 1 Prepared by Astro Nuclear/Dynamics Inc.

(b) National Board No. N/A

6. The material, design, construction, and workmanship complies with ASME Code Section III, Class 3
Edition: 1989, Addenda Date No, Case No. N/A
Remarks: Certificate Holders' Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: None
(Name of Part - Item number, Certificate Holder's name, and identifying stamp)

7. Shop Hydrostatic Test 225 psi. for 1 hour

8. Description of piping inspected Spool piece consisting of: flange, pipe & flange
(include - mark no. - material spec. - nom. pipe size - schedule or thickness - length - fittings - flanges, etc.)

| | | | |
|--------|---------------|--------|--------------|
| Flange | SA-515 GR. 70 | 3" | HT: 421T6101 |
| Pipe | SA-106 GR. B | SCH 80 | HT: N89007 |
| Flange | SA-105 | 150# | HT: S1077 |

Overall length of Group 1 is 5.18".

We certify that the statements made in this report are correct and that the fabrication of the described piping conforms with the requirements of SECTION III of the ASME BOILER AND PRESSURE VESSEL CODE.

Date 12/11/96 Signed Astro Nuclear/Dynamics Inc. By Donald P. Gray
(NPT Certificate Holder)

Certificate of Authorization Expires August 9, 1998 Certificate of Authorization No. N-2869

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Protection Mutual Insurance Co.* of Norwood, MA have inspected the piping described on this Data Report on 12/11/96 and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this piping in accordance with the applicable Subsections of ASME Code, Section III.

By signing this certificate, neither the Inspector nor his employer make any warranty, expressed or implied, concerning the piping 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. *Factory Mutual Engrg. Assn.

Date 12/11/96 Robert J. ... 19 96
(Inspector) Commissions NB 33141 P2245
National Board, State, Province and No.

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

FORM NPP-1 (Back)

Description of Field Fabrication

Field Hydrostatic Test _____ psi.

I certify that the field fabrication of the described piping conforms with the requirements of SECTION III of the ASME BOILER AND PRESSURE VESSEL CODE, Class _____, Edition _____, Addenda Date _____, Case No. _____

Signed _____ (NPT Certificate of Authorization) By _____ (Representative)

My Certification of Authorization to use the _____ Symbol Expires _____ 19 _____
Certificate of Authorization No. _____

CERTIFICATE OF FIELD FABRICATION INSPECTION

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

and employed by _____ of _____

have compared the statements in this Data Report with the described piping and state that the 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 NPT Certificate Holder has constructed this piping in accordance with the applicable section of the ASME CODE SECTION III.

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

Date _____ 19 _____

Inspector _____ Commissions _____ National Board, State, Province and No. _____

FORM NPP-1 DATA REPORT FOR FABRICATED NUCLEAR PIPING SUBASSEMBLIES*

As Required by the Provisions of the ASME Code Rules, Section III, Div. 1.

1. Fabricated by Astro Nuclear/Dynamics Inc., Bethel Park, PA 15102 Order No. M-1047
(Name and Address of NPT Certificate Holder)

2. Fabricated for Duquesne Light Company Order No. D149353
(Name and Address)

3. Owner Duquesne Light Company 4. Location of Plant Shippingport, PA 15077

5. Piping System Identification S/Ns: M1047-1 & M1047-2 for A/C Heat Exchanger
(Brief description of intended use, main coolant etc.)

(a) Drawing No. A10504G01 Rev. 1 Prepared by Astro Nuclear/Dynamics Inc.

(b) National Board No. N/A

6. The material, design, construction, and workmanship complies with ASME Code Section III, Class 3
 Edition 1989, Addenda Date No, Case No. N/A
 Remarks: Certificate Holders' Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report. None
(Name of Part - Item number, Certificate Holder's name, and identifying stamp)

7. Shop Hydrostatic Test 225 psi. for 1 hour

8. Description of piping inspected Spool piece consisting of: flange, pipe & flange
(Include - mark no. - material spec. - nom. pipe size - schedule or thickness - length - fittings - flanges, etc.)

| | | | |
|--------|---------------|--------|--------------|
| Flange | SA-515 GR. 70 | 3" | HT: 421T6101 |
| Pipe | SA-106 GR. B | SCH 80 | HT: N89007 |
| Flange | SA-105 | 150# | HT: S1077 |

Overall length of Group 1 is 5.18"

We certify that the statements made in this report are correct and that the fabrication of the described piping conforms with the requirements of SECTION III of the ASME BOILER AND PRESSURE VESSEL CODE.

Date 12/4/96 Signed Astro Nuclear/Dynamics Inc. By Donald P. May
(NPT Certificate Holder)

Certificate of Authorization Expires August 9, 1998 Certificate of Authorization No. N-2869

CERTIFICATE OF SHOP INSPECTION

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

have inspected the piping described on this Data Report on 12-04 19 96, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this piping in accordance with the applicable Subsections of ASME Code, Section III.

By signing this certificate, neither the Inspector nor his employer make any warranty, expressed or implied, concerning the piping 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. * Factory Mutual Engrg. Assn.

Date 12-04-96, 19 96

Donald P. May (Inspector) Commissions PA-2646
National Board, State, Province and No.

Attachment sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1, 2, and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in Item 8.

Description of Field Fabrication

O. Field Hydrostatic Test _____ psi.

We certify that the field fabrication of the described piping conforms with the requirements of SECTION III of the ASME BOILER AND PRESSURE VESSEL CODE, Class _____, Edition _____, Addenda Date _____, Case No. _____

Date _____, 19____ Signed _____ (NPT Certificate of Authorization) By _____ (Representative)

Our Certification of Authorization to use the _____ Symbol Expires _____ 19____
Certificate of Authorization No. _____

CERTIFICATE OF FIELD FABRICATION INSPECTION

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

and employed by _____ have compared the statements in this Data Report with the described piping and state that the 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 NPT Certificate Holder has constructed this piping in accordance with the applicable section of the ASME CODE SECTION III.

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

Date _____ 19____
Inspector _____ Commissions _____ National Board, State, Province and No. _____

Form No. 1419

FORM NIS-2 OWNER'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 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #00-030531-000
(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 Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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 | Velan Valve | 863 | N/A | 2RCS-MOV557B | 1977 | Repaired | Yes |
| Plug | Velan Valve | 4846 | N/A | N/A | 2002 | Replacement | Yes |
| Plug | Velan Valve | F-2749 | N/A | H/C: 997 | 1977 | Replaced | Yes |
| Stud | Nova Machine | N/A | N/A | Ht #C730 | 2001 | Replacement | No |
| | | | | | | | |

7. Description of Work Replaced valve plug with spare, replaced body/bonnet studs, weld repaired
gasket seating area.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached. Replacement plug was from valve serial number 022029-2.

Body to bonnet gasket area was damaged during disassembly.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 Engr. Date April 30, 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 1/4/02 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) PA2 162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 8, 20 02

PAGE 3

022029

1. Manufactured and certified by VELAN INC. 550 McARTHUR STREET, MONTREAL, QUEBEC H4T 1X8 CANADA (name and address of N Certificate Holder)

2. Manufactured for FIRST ENERGY CORPORATION P.O. BOX 345 SHIPPINGPORT PA 15077 USA (name and address of Purchaser)

3. Location of installation BEAVER VALLEY POWER STATION SHIPPINGPORT PA 15077 USA

4. Model No., Series No., or Type B09-3074B-13MS Drawing P012-134510-N01 Rev. A CRN N/A

5. ASME Code, Section III, Division 1: 1971 (edition) SUMMER 1973 (addenda date) 1 (class) N/A (Code Case no.)

6. Pump or valve BB GLOBE VALVES Nominal inlet size 2" Outlet size 2"

7. Material: Body SA182 F316 Bonnet SA182 F316 (in.) Disk AMS-5387 (in.) SA453/660 GR-B Bolting & SA-194 GR-8M STELLITE-6

| (a) Cert. Holder's Serial No. | (b) Nat'l Board No. | (c) Body Serial No. | (d) Bonnet Serial No. | (e) Disk Serial No. |
|--|------------------------------|------------------------------|--------------------------------|------------------------------|
| #022029-1 | N/A | 6040 | 15851* | 4843 |
| #022029-2 | N/A | 6061 | 15853 | 4846 |
| | Heat No. | 26285 Lot-7497 | 70920/*51806, & 51076 | 4764 |
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* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

022029

Certificate Holder's Serial No. _____

8. Design conditions 2500 psi 650 °F or valve pressure class 1500# (1)

(pressure) (temperature)

9. Cold working pressure 3600 psi at 100°F

PAGE 4

10. Hydrostatic test 5625 psi. Disk differential test pressure 2750 psi
(Shell)

11. Remarks: NOTE LINE #5 PAGE-1: EXCEPT MATERIAL SPEC. SUPPLIED IS TO ASME SEC. II PART-A CODE EDITION 1989 ADDENDA: NONE

CERTIFICATION OF DESIGN

Design Specification certified by L. I. EZEKOYE P.E. State PA USA Reg. no. 18379-E
Design Report certified by S. ISBITSKY P.E. State QUE. CANADA Reg. no. 22115

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. N2797-2 (N) Expires 20 APR. /2004

Date 30 JAN. /02 Name VELAN INC. Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by RÉGIE DU BATIMENT DU QUE. of QUEBEC have inspected the pump, or valve, described in this Data Report on FEBRUARY 01 /2002, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date FEB 01 /2002 Signed [Signature] Commissions JP. FACHINETTI - 00# 13813
(Authorized Inspector) (Natl. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES
(As Required by the Provisions of the ASME Code, Section III, Div. 1)

1. Manufactured by VELAN ENGINEERING COMPANIES 2125 Ward Avenue, Montreal PQ
2. Manufactured for WESTINGHOUSE ELECTRIC CORPORATION Pittsburgh, USA
(Name and Address of Manufacturer)
3. Location of Installation OM* BEAVER VALLEY No. 2 Shippingport Pennsylvania
(Name and Address of Purchaser & Owner)
4. Pump or Valve 2"-1500488 GLOBE VALVE, Nominal Inlet Size 2" 2" Outer Size
(Name)

- (1) HDB-030748-13MS N/A E73-026 I N/A 1977
- (2) [REDACTED]
- (3) _____
- (4) _____
- (5) _____
- (6) _____
- (7) _____
- (8) _____
- (9) _____
- (10) _____

5. 27888RMH WFI RADIOACTIVE SERVICE
(Brief description of service for which equipment was designed)

6. Design Conditions 2500 psi 650 °F or Valve Pressure Class _____ (1)
Pressure (Temperature)

7. Cold Working Pressure 1500 psi at 100°F. _____ (1)
Pressure

8. Pressure Rating Pieces _____

1505

| (a) Castings | Mark No. | Material Spec. No. | Manufacturer | Remarks |
|--|----------|---------------------|---|---------|
| <u>DISC S/A: F-2749</u> <u>H/C: 997</u> | | <u>Stellite "6"</u> | <u>Deloro Stellite</u> | |
| <u>BOB S/N: 863</u> <u>H/C: Code-J1</u> | | <u>SA-182 F316</u> | <u>The Steel Improvement</u> | |
| <u>SOMRET</u> <u>S/R: 5982</u> <u>H/C: FA-4283</u> | | <u>SA-182 F316</u> | <u>A Forge Company</u> <u>Galt-British Forge Ltd</u> | |
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(1) For manually operated valves only.

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

1/7781

This form (E000371) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017

1506

| Mark No. | Material Spec. No. | Manufacturer | Remarks |
|----------------------|--------------------|-----------------------|---------|
| (c) Bolting | | | |
| Studs | SA-453/GR-660 | (C of C Attached) | |
| Nuts | SA-194/GR-6 | (C of C Attached) | |
| | | | |
| | | | |
| (d) Other Parts | | | |
| WELD ROD H/C: 300207 | SFA-5.4/E316-16 | Chemetron Corporation | |
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8. Hydrostatic test Shell: 5625 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. L, Edition 1971 Addenda Summer 1973, Code Case No. N/A, Date N/A.

Signed VELAN ENGINEERING COMPANIES (Manufacturer) by J. T. Kmetyko (Manager-DC Doc.)

Our ASME Certificate of Authorization No. N-1738 to use the (N) symbol expires 3 May 1980 (Date)

CERTIFICATION OF DESIGN

Design information on file at VELAN ENGINEERING COMPANIES Montreal, Quebec.

Stress analysis report (Class 1 only) on file at Velan Engineering Ltd - Stress Dept.

Design specifications certified by (1) James C. Diperna
 PE State Penn., USA Reg. No. 15372E

Stress analysis certified by (1) S. Isbitsky
 PE State Quebec Reg. No. 22115

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Quebec and employed by Parsons of Quebec have inspected the pump, or valve, described in this Data Report on May 28 1978 and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date May 28 1978
[Signature] (Inspector) Commissions 219-617-571
 (N.B. Bd., State, Prov. and F.S.)

2 OF 23

Form No. 1420

FORM NIS-2 OWNER'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 02/26/02

Sheet 1 of 2

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

Unit No. 2

WO# 00-030569-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date _____

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code ASME Sect. III 19 71 Edition, S73 Addenda, 1972 Code Case

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

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of 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 | Velan, Inc. | 799 | N/A | 2RCS-MOV556A | 1979 | Replaced | Yes |
| Valve | Velan, Inc. | 022028-1 | N/A | 2RCS-MOV556A | 2002 | Replacement | Yes |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replace valve with spare.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports Attached. Valve replaced in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement 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 L. Proffitt Nuclear Instructor Date 02/26, 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 12/15/00 to 3/7/02, 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 NB 7509 (N.I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date March 7, 2002

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

PAGE 3
 Pg. 1 of 2

022028

550 McARTHUR STREET,

1. Manufactured and certified by VELAN INC. MONTREAL, QUEBEC H4T 1X8 CANADA
(name and address of N Certificate Holder)
2. Manufactured for FIRST ENERGY CORPORATION P.O. BOX 345 SHIPPINGPORT PA 15077 USA
(name and address of Purchaser)
3. Location of installation BEAVER VALLEY POWER STATION SHIPPINGPORT PA 15077 USA
(name and address)
4. Model No., Series No., or Type B09-3074B-13MS Drawing PO12-134510-NO1 Rev. A CRN N/A
5. ASME Code, Section III, Division 1: 1971 SUMMER 1973 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve BB GLOBE VALVES Nominal inlet size 2" Outlet size 2"
7. Material: Body SA182 F316 Bonnet SA182 F316 (in.) Disk AMS-5387 (in.) Bolting SA453/660 GR-B & SA-194 GR-8M
STELLITE-6

| (a) Cert. Holder's Serial No. | (b) Nat'l Board No. | (c) Body Serial No. | (d) Bonnet Serial No. | (e) Disk Serial No. |
|--|------------------------------|------------------------------|--------------------------------|------------------------------|
| #022028-1 | N/A | 6052 | 15854 | 4845 |
| #022028-2 | N/A | 6055 | 15852* | 4844 |
| | Heat No. | 26285 Lot-7497 | 70920/*51806, & 51076 | 4764 |
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* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

022028

Certificate Holder's Serial No. _____

8. Design condition) 2500 psi 650 °F or valve pressure class 1500# (1)
(pressure) (temperature)
9. Cold working pressure 3600 psi at 100°F
10. Hydrostatic test 5625 psi. Disk differential test pressure 2750 psi
(Shell)
11. Remarks: NOTE LINE #5 PAGE-1: EXCEPT MATERIAL SPEC. SUPPLIED IS TO ASME SEC. II PART-A CODE EDITION 1989 ADDENDA: NONE

PAGE 4

CERTIFICATION OF DESIGN

Design Specification certified by L. I. EZEKOYE P.E. State PA USA Reg. no. 18379-E
 Design Report certified by S. ISBITSKY P.E. State QUE. CANADA Reg. no. 22115

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. N2797-2 (N) Expires 20 APR. 2004

Date 30 JAN. /02 Name VELAN INC. Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of QUEBEC and employed by REGIE DU BATIMENT DU QUE. of QUEBEC have inspected the pump, or valve, described in this Data Report on FEBRUARY 01 /2002, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date FEB 01 / 2002 Signed [Signature] Commissions J.P. FACHINETTI
(Authorized Inspector) (REGIE DU BATIMENT DU QUEBEC)

(1) For manually operated valves only.

12

000790

FORM NP-1 MANUFACTURERS DATA REPORT FOR NUCLEAR PUMPS OR VALVES
(As Required by the Provisions of the ASME Code, Section III, Div. 1)

1. Manufactured by VELAN ENGINEERING COMPANIES 2125 Ward Avenue, Montreal PQ
(Name and Address of Manufacturer)

2. Manufactured for WESTINGHOUSE ELECTRIC CORPORATION Pittsburgh, USA
(Name and Address of Purchaser or Owner)

3. Location of Installation PROJECT: DMW Beaver Valley #2 Shippingport Penn DUQUESNE LIGHT CO.
(Name and Address)

4. Pump or Valve 2"-1500#BB GLOBE VALVE Nominal Inlet Size 2" Outlet Size 2"
(Inches)

| (a) Model No. Series No. or Type | (b) Manufacturers Serial No. | (c) Canadian Registration No. | (d) Drawing No. | (e) Class | (f) Mark No. | (g) Year Built |
|--|------------------------------------|-------------------------------------|--------------------|-----------|-----------------|-------------------|
| (1) <u>W08-03074B-134S</u> | <u>#799</u> | <u>N/A</u> | <u>E73-026</u> | <u>1</u> | <u>N/A</u> | <u>1979</u> |
| (2) | | | <u>Rev. B</u> | | | |
| (3) | | | | | | |
| (4) | | | | | | |
| (5) | | | | | | |
| (6) | | | | | | |
| (7) | | | | | | |
| (8) | | | | | | |
| (9) | | | | | | |
| (10) | | | | | | |

5. 2TM88F0H WFI FLUID RADIOACTIVE SERVICE
(Brief description of service for which equipment was designed)

6. Design Conditions 2500 psi 650 °F or Valve Pressure Class (1)
(Pressure) (Temperature)

7. Cold Working Pressure 3600 psi at 100°F.

8. Pressure Retaining Pieces

| Mark No. | Material Spec. No. | Manufacturer | Remarks |
|---|---------------------|--|---------|
| (a) Castings DISC S/N: <u>F-5403</u> H/C: <u>997</u> | <u>Stellite "6"</u> | <u>Deloro Stellite</u> | |
| (b) Forgings BOSS S/N: <u>799</u> H/C: <u>68459 (Code-J1)</u> | <u>SA-182 F316</u> | <u>The Steel Improvement & Forge Company</u> | |
| BONNET S/N: <u>3854</u> H/C: <u>H-3695</u> | <u>SA-182 F316</u> | <u>Galt-British Forge</u> | |
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DATA PKG PG 1 OF 3

5880

6/30/79

(1) For manually operated valves only.

* Supplemental photos in form of flats, sketches or drawings may be used provided they are 8-1/2" x 11" and the name, date and number of this data report is included on each sheet, and if each sheet is numbered the number is recorded at top of the form.

ASME Form NP-1 (1964) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

000799

DATA PKG PG 2 OF 2

FORM 1001 (Rev. 1-78)

Serial No. _____
 Drawing No. _____
 Material Spec. No. _____
 Quantity _____
 Date _____
 SA-453/GR-660 (C of C Attached)
 SA-194/GR-6 (C of C Attached)

WELD ROD M/C: 87930
 SA-5.9ER308 Vanguard Steels
 SA-569/630 Elgin-Birmingham Steels

3 hydrostatic test 5mg 11 5625 am

CERTIFICATE OF COMPLIANCE

We certify that the manufacturer named in this report are certified and that the pump or valve described in the name of the Association of the ASME Code for Pressure Vessel Components Section II, Div. 1, Part 1913.

Address: SUDBURY 1971 Code Case No. N/A Date: 1/24/83

Inspected: YELAN ENGINEERING COMPANIES by: HENRY P. LEBONARD

Our ASME Certificate of Authorization No. M-1738 is valid thru (M) 3 May 1980

CERTIFICATION OF DESIGN

Design information on file at YELAN ENGINEERING COMPANIES Montreal, Quebec

Sketch and/or report (Case's only) on file at YELAN ENGINEERING Ltd. SUDBURY 1971

Design certification certificate of: HENRY P. LEBONARD

PE State: PENN. USA Reg. No. 723938-E

Sketch analysis certified by: HENRY P. LEBONARD

PE State: QUEBEC Reg. No. 22115

Signature not required. Last Name, only

CERTIFICATE OF SHOP INSPECTION

The undersigned, holding a registration issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Quebec and employed by YELAN ENGINEERING LTD.

at SUDBURY 1971 have inspected the pump or valve described in the Data Report of SA-5.9ER308 and state that to the best of my knowledge and belief the manufacturer has constructed the pump or valve in accordance with the ASME Code Section II.

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

Date: MAY 9 1978
 Signature: Henry P. Lebonard Commission: 226 392-555
 (Not for Stamp Here)

Form No. 1439

**FORM NIS-2 OWNER'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 05/01/2002
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #01-005097-000
(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 Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 19 77 Edition, S79 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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) |
|--------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Power Relief Valve | Garrett Pneumatic | P-122 | N/A | 2RCS-PCV455D | 1983 | Repaired | Yes |
| Plug | Crosby Valve | N96012-65-0124 | N/A | N/A | 1999 | Replaced | Yes |
| Plug | Crosby Valve | N96012-67-0130 | N/A | Ht #33005 | 2000 | Replacement | Yes |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced valve plug.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached. Previous NIS-2 Data Report Nos: 1196, 1044, 801, 554, 362, 221, and 089.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 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 Engr. Date May 1, 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 9/8/01 to 5/10/02, 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 Amoch Commissions NB7509(N,I)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 10, 20 02

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

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

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)
2. Manufactured for DUQUESNE LIGHT COMPANY
(Name and Address of Purchaser or Owner)
3. Location of Installation BEAVER VALLEY POWER STATION
(Name and Address)
4. Type DS-C-67970-13 REVG SA479 TYPE 316 75,000 — 2000
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 SUMMER 1979 I
(edition) (addenda date) (class) (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) — Revision — Date —
(no.)
7. Remarks _____
8. Nom. thickness (in.) — Min. design thickness (in.) — Dia. ID (ft & in.) — Length overall (ft & in.) —
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

| Part or Appurtenance Serial Number | National Board No. in Numerical Order | Part or Appurtenance Serial Number | National Board No. in Numerical Order |
|---------------------------------------|---|---------------------------------------|---|
| (1) N96012-65-0125 | — | (26) | — |
| (2) N96012-67-0129 | — | (27) | — |
| (3) N96012-67-0130 | — | (28) | — |
| (4) | — | (29) | — |
| (5) | — | (30) | — |
| (6) | — | (31) | — |
| (7) | — | (32) | — |
| (8) | — | (33) | — |
| (9) | — | (34) | — |
| (10) | — | (35) | — |
| (11) | — | (36) | — |
| (12) | — | (37) | — |
| (13) | — | (38) | — |
| (14) | — | (39) | — |
| (15) | — | (40) | — |
| (16) | — | (41) | — |
| (17) | — | (42) | — |
| (18) | — | (43) | — |
| (19) | — | (44) | — |
| (20) | — | (45) | — |
| (21) | — | (46) | — |
| (22) | — | (47) | — |
| (23) | — | (48) | — |
| (24) | — | (49) | — |
| (25) | — | (50) | — |

Design pressure — psi. Temp. — ° F Hydro. test pressure 6125 at temp. 70 ° F
(when applicable)

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8-1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.
This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

Form N-2 (Back)

Q.C.-392
Sheet 2 of 2

Certificate Holder's Serial No. N96012-65-0125

CERTIFICATE OF DESIGN

Design specifications certified by L. IKE EZEKOYE P.E. State PA Reg. no. 18379-E
(when applicable)

Design report* certified by _____ P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2001

Date 25 FEB 00 Signed Anderson Greenwood Crosby by Brett H Crosby
Wrentham, MA (NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island have inspected these items described in this Data Report on February 25, 20 00 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 02/25, 20 00

Signed [Signature]
(Authorized Inspector)

Commissions MA-1418 N
(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Form No. 1441

FORM NIS-2 OWNER'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 04/30/2002
 Sheet 1 of 2

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

Unit No. 2
W.O. #01-005149-000
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 Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 19 77 Edition, S'79 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) |
|--------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Power Relief Valve | Garrett Pneumatic | P-119 | N/A | 2RCS-PCV456 | 1983 | Repaired | Yes |
| Plug | Crosby Valve | N96012-65-0126 | N/A | Ht #Y2686-5E | 1999 | Replaced | Yes |
| Plug | Crosby Valve | N96012-65-0125 | N/A | Ht #33005 | 2000 | Replacement | Yes |
| Stud | Nova Machine | N/A | N/A | Ht #E382 | 2002* | Replacement | No |
| | | | | | | | |

7. Description of Work Replaced valve plug and two bonnet studs.

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 Nos: 1195, 1042, 539, 360,
and 090. *Year installed.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Eyr. Date May 1, 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 9/8/01 to 5/10/02, 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.

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

Date May 10, 20 02

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

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

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)
2. Manufactured for DUQUESENE LIGHT COMPANY
(Name and Address of Purchaser or Owner)
3. Location of Installation BEAVER VALLEY POWER STATION
(Name and Address)
4. Type DS-C-67970-13 REVG SA479 TYPE 316 75,000 — 2000
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 SUMMER 1979 1 —
(edition) (addenda date) (class) (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) — Revision — Date —
(no.)
7. Remarks _____
8. Nom. thickness (in.) — Min. design thickness (in.) — Dia. ID (ft & in.) — Length overall (ft & in.) —
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

| Part or Appurtenance Serial Number | National Board No. in Numerical Order | Part or Appurtenance Serial Number | National Board No. in Numerical Order |
|---------------------------------------|---|---------------------------------------|---|
| (1) N96012-65-0125 | — | (26) | — |
| (2) N96012-67-0129 | — | (27) | — |
| (3) N96012-67-0130 | — | (28) | — |
| (4) | — | (29) | — |
| (5) | — | (30) | — |
| (6) | — | (31) | — |
| (7) | — | (32) | — |
| (8) | — | (33) | — |
| (9) | — | (34) | — |
| (10) | — | (35) | — |
| (11) | — | (36) | — |
| (12) | — | (37) | — |
| (13) | — | (38) | — |
| (14) | — | (39) | — |
| (15) | — | (40) | — |
| (16) | — | (41) | — |
| (17) | — | (42) | — |
| (18) | — | (43) | — |
| (19) | — | (44) | — |
| (20) | — | (45) | — |
| (21) | — | (46) | — |
| (22) | — | (47) | — |
| (23) | — | (48) | — |
| (24) | — | (49) | — |
| (25) | — | (50) | — |

Design pressure — psi. Temp. — ° F Hydro. test pressure 6125 at temp. 70 ° F
(when applicable)

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

Certificate Holder's Serial No. N96012-65-0125

CERTIFICATE OF DESIGN

Design specifications certified by L. IKE EZEKOYE P.E. State PA Reg. no. 18379-E
(when applicable)

Design report* certified by _____ P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2001

Anderson Greenwood Crosby

Date 25 FEB 00 Signed _____ by Brett H Crosby
Wrentham, MA (NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Insurance Co. of Johnston Rhode Island have inspected these items described in this Data Report on February 25, 20 00 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 02/25, 20 00

Signed [Signature]
(Authorized Inspector)

Commissions MA-1418 N
(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Form No. 1443

FORM NIS-2 OWNER'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 02/13/02
 Sheet 1 of 2

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

Unit No. 2
WO# 01-007431-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III 19 74 Edition, S74 Addenda, N/A

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

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built * | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|--------------|------------------------------------|-------------------------------|
| Check Valve | Mission | B4582 | N/A | 2SWS-57 | 1976 | Repair | Yes |
| Plate | Mission | N/A | N/A | N/A | 2001* | Replacement | No |
| Plate | Mission | N/A | N/A | N/A | 2001* | Replacement | No |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced Plates with spares.

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

FORM NIS-2 (Back)

9. Remarks Disc was replaced due to leak-by and pitting. * Year installed.
The new Plates were purchased under PO 7070308 as ASME III Class 3.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 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 Insulators Date February 20, 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 11/14/01 to 3/4/02 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 March 4, 20 02

FORM NVA-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES
 (As Required by the Provisions of the ASME Code, Section II, Div. 1, NPS 3214)

1. Manufactured by: **WAM VISION MFG. CO., A DIV. OF WAM INC., HOUSTON, TEXAS**

2. Manufactured for: **DUCHESS LIGHT CO., EPHRATA, PENNSYLVANIA**

3. Location of installation: **UNIT 2, SHIPPINGPORT, PENNSYLVANIA**

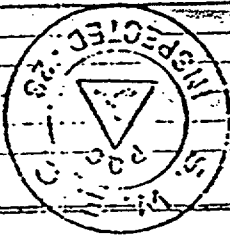
4. Pump or Valve: **VALVE**
 Normal inlet size: **30** Outlet size: **30**

| (a) Model No. | (b) Manufacturer's | (c) Location | (d) Drawing | (e) Class | (f) Material | (g) Year |
|---------------|--------------------|--------------|-------------|-----------|--------------|----------|
| 15 SEP-X04 | E 4580 | None | 19285 | 3 | --- | 1976 |
| 15 SEP-X04 | E 4581 | None | 19225 | 3 | --- | 1976 |
| 15 SEP-X04 | E 4582 | None | 19285 | 3 | --- | 1976 |
| 15 SEP-X04 | E 4583 | None | 19285 | 3 | --- | 1976 |
| 15 SEP-X04 | E 4584 | None | 19285 | 3 | --- | 1976 |

5. Silver & Demineralized Water Service
 (Best description of service for which equipment was designed)

8. Design Conditions
 Design Pressure: **200** psi
 Design Temperature: **300** (F)
 % of Valve Pressure Class: **N/A**

| Mark No. | Material Spec. No. | Manufacturer | Remarks |
|-------------|--------------------|--------------|---------|
| 12417-01-45 | ASME SA-216-74 WCB | WCB | CLASS |
| 12417-01-43 | ASME SA-216-74 WCB | WCB | CLASS |



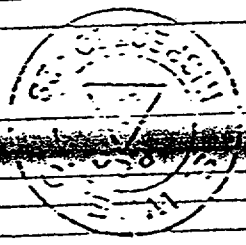
9. Castings
 10. Forgings

5. Dimensions, details in form of lists, sketches or drawings may be used provided they are 6-1/2 x 11-1/2 inches in size and information is included on each sheet and (3) each sheet is numbered and number of sheets is indicated at top of drawing.

This form (ECC027) may be obtained from the Order Dept., ASME, 595 E. 57 St., New York, N.Y. 10017

065870 10/11/50

STATE OF TEXAS
DEPARTMENT OF COMMERCE
BUREAU OF INSURANCE
CERTIFICATE OF SHOP INSPECTION



REG. NO. 12345
CLASSIFICATION OF DESIGN
CLASSIFICATION OF SHOP INSPECTION

CERTIFICATE OF COMPLIANCE
CLASSIFICATION OF SHOP INSPECTION

CLASSIFICATION OF SHOP INSPECTION
CLASSIFICATION OF SHOP INSPECTION

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CLASSIFICATION OF SHOP INSPECTION

CLASSIFICATION OF SHOP INSPECTION
CLASSIFICATION OF SHOP INSPECTION

FORM NIS-2 OWNER'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 3-22-01
 Sheet 1 of 2

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

Unit No. 2
DCP-2419 Phase 1 & Phase 2 (2R09 Scope)
 Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp N/A
 Authorization No. N/A
 Expiration Date N/A

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code ASME III 19 71 Edition, Winter Addenda, N-416-1 Code Case
72
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Pipe | N/A | N/A | N/A | 2-SWS-06-187-3 | 2001 | Replacement | Yes |
| Pipe | N/A | N/A | N/A | 2-SWS-06-189-3 | 2001 | Replacement | Yes |
| Gate Valve | Walworth Company | A1103 | N/A | 2SWS-1230 | 1978 | Replacement | Yes |
| Gate Valve | Walworth Company | A1104 | N/A | 2SWS-1231 | 1978 | Replacement | Yes |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Piping modification to replace existing carbon steel flanged pipe spool pieces to piping spool pieces and flanges made of AL6XN and stainless steel isolation valves (2SWS-1230 & 2SWS-1231). Phase 2 Scope includes removing from 14" x 6" Weldolet the existing elbow and piping spool and flange with a new elbow, piping and flanges made of AL6XN. For line 2-SWS-006-187-3, this DCP also replaces the 3/4" carbon steel vent line with isolation valve with 3/4" AL6xN vent line with stainless steel isolation valve.

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

9.

This design change removes existing carbon steel flanged piping spool pieces and replaces them with piping and flanges made of AL6XN and stainless steel isolation valves (2SWS-1230 & 2SWS-1231). Phase 2 Scope includes removing from 14" x 6" Weldolet the existing elbow and piping spool and flange with a new elbow, piping and flanges made of AL6XN. For line SWS-006-187-3, this DCP also replaces the 3/4" carbon steel vent line with isolation valve with 3/4" AL6xN vent line with stainless steel isolation valve.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Per 1/2-ADM-803 "ASME XI Repair/Replacement Program"

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

Signed Sanjib K. Mukherjee
Sanjib K. Mukherjee, Lead Nuclear Engineer Date 3-8-2002
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 5/25/01 to 3/29/02, 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 NB 7509 (N, I) PA 2162
National Board, State, Province, and Endorsements

Date March 29, 2002

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

(As Required by the Provisions of the ASME Code, Section III, Div. 1)

1400 W. Elizabeth Avenue

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

| | (a) Model No. Series No. or Type | (b) Manufacturers' Serial No. | (c) Canadian Registration No. | (d) Drawing No. | (e) Class | (f) Nat'l. Bd. No. | (g) Year Built |
|------|--|-------------------------------------|-------------------------------------|--------------------|-----------|-----------------------|-------------------|
| (1) | N226SP | A1104 | | D-50945 | 2 | 1124 | 1978 |
| (2) | | | | | | | |
| (3) | | | | | | | |
| (4) | | | | | | | |
| (5) | | | | | | | |
| (6) | | | | | | | |
| (7) | | | | | | | |
| (8) | | | | | | | |
| (9) | | | | | | | |
| (10) | | | | | | | |

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

6. Design Conditions _____ psi _____ °F or Valve Pressure Class 150 ANSI (1)
(Pressure) (Temperature)
7. Cold Working Pressure 2.5 psi at 100°F.
8. Pressure Retaining Pieces

| Mark No. | Material Spec. No. | Manufacturer | Remarks Heat # |
|--------------|--------------------|-----------------|-------------------|
| (a) Castings | | | |
| Body | SA-351 CF8 | Walworth/Aloyco | 3517D |
| Bonnet | SA-351 CF8 | Walworth/Aloyco | 3389D |
| Disc | SA-351 CF8 | Walworth/Aloyco | 6456E |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| (b) Forgings | | | |
| N/A | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

155-985

(1) For manually operated valves only.

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

(1/78) This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017

FORM NPV-1 (Back)

| Mark No. | Material Spec. No. | Manufacturer | Remarks Heat # |
|-------------------------|--------------------|--------------|-------------------|
| (c) Bolting Studs | SA-193, Gr B8 | B & G | X135T |
| Nuts | SA-194, Gr 8 | B & G | S469 |
| (d) Other Parts Plug | SA-182, TP 304 | Camco | MU |

9. Hydrostatic test 425 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971
 Addenda Winter 1972, Code Case No. 1672, Date Oct 27, 1978
 Signed Walworth Company/Aloyco Plant by J. Truppo, Mgr. Q.A.
 Our ASME Certificate of Authorization No. N-2076 to use the N symbol expires 4-7-81
(Date) (Date) (Date)

CERTIFICATION OF DESIGN

Design information on file at Walworth Company/Aloyco Plant
 Stress analysis report (Class 1 only) on file at Not required
 Design specifications certified by (1) Faruk A. Gopalani
 PE State Pa. Reg. No. 21966-E
 Stress analysis certified by (1) Not required
 PE State _____ Reg. No. _____
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New Jersey and employed by BSBI & Co.
 of Hartford, Ct. have inspected the pump, or valve, described in this Data Report on 10/27 1978, and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 10/27 1978 Commissions NB 7169
(Inspector) (Natl Bd. State, Prov. and No.)

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES

(As Required by the Provisions of the ASME Code, Section III, Div. 1)

1400 N. Elizabeth Avenue

1. Manufactured by Walworth Company/Aloyco Plant, Linden, New Jersey 07036
(Name and Address of Manufacturer)
2. Manufactured for Ducquesne Light Company, Stone & Webster, Agents, Boston, Mass
(Name and Address of Purchaser or Owner)
3. Location of Installation Beaver Valley Power Station, Unit 2
(Name and Address)
4. Pump or Valve Gate Valve Nominal Inlet Size 6" Outlet Size 5"
(Inch)

| | (a) Model No. Series No. or Type | (b) Manufacturer's Serial No. | (c) Canadian Registration No. | (d) Drawing No. | (e) Class | (f) Nat'l. Std. No. | (g) Year Built |
|------|--|-------------------------------------|-------------------------------------|--------------------|-----------|------------------------|-------------------|
| (1) | N226SP/ | A1103 | | D-50945 | 2 | 1119 | 1973 |
| (2) | | | | | | | |
| (3) | | | | | | | |
| (4) | | | | | | | |
| (5) | | | | | | | |
| (6) | | | | | | | |
| (7) | | | | | | | |
| (8) | | | | | | | |
| (9) | | | | | | | |
| (10) | | | | | | | |

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

6. Design Conditions — psi — °F or Valve Pressure Class 150 ANSI (1)
7. Cold Working Pressure 275 psi at 100°F
8. Pressure Retaining Pieces

| Mark No. | Material Spec. No. | Manufacturer | Remarks Heat # |
|--------------|--------------------|-----------------|-------------------|
| (a) Castings | | | |
| Body | SA-351 CF8 | Walworth/Aloyco | 3516D |
| Bonnet | SA-351 CF8 | Walworth/Aloyco | 3389D |
| Disc | SA-351 CF8 | Walworth/Aloyco | 6456E |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| (b) Forgings | | | |
| N/A | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

(1) For manually operated valves only.

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

(1/76) This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017

| Mart No. | Material Spec. No. | Manufacturer | Remarks Heat # |
|-----------------|--------------------|--------------|----------------|
| (c) Bolting | | | |
| Studs | SA-193, Gr B8 | B & G | X135T |
| Nuts | SA-194, Gr 8 | B & G | S469 |
| | | | |
| | | | |
| (d) Other Parts | | | |
| | | | |
| Plug | SA-182, TP 304 | Camco | MU |
| | | | |
| | | | |
| | | | |

9. Hydrostatic test _____ psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971, Addenda Winter 1972, Code Case No. 1672, Date Oct 26, 1978.

Signed Walworth Company/Alovco Plant by F. Trubgo Mgr. Q.A.
(Date) (Manufacturer)

Our ASME Certificate of Authorization No. N-2076 to use the N symbol expires 4-7-81.
(N) (NFV) (Date)

CERTIFICATION OF DESIGN

Design information on file at Walworth Company/Alovco Plant
 Stress analysis report (Class 1 or 2) on file at Not required

Design specifications certified by (1) Faruk A. Gopalani
 PE State Pa. Reg. No. 21966-E
 Stress analysis certified by (1) Not required
 PE State _____ Reg. No. _____

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New Jersey and employed by HSBI&T Co. of Hartford, Ct. have inspected the pump, or valve, described in this Data Report on 10/27 19 78, and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 10/27 19 78
[Signature] (Inspector) Commissions NB 7169
(Nat'l Bd., State, Prov. and No.)

Form No. 1451

FORM NIS-2 OWNER'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 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #01-005773-000
(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 Steam Vent (Class 2)

5. (a) Applicable Construction Code Section III 19 74 Edition, S74 Addenda, --- Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (YES or NO) |
|--------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Nozzle Check Valve | Enertech | 10331 | N/A | 2SVS-82 | 1995 | Repaired | Yes |
| Stud | Nova Machine | N/A | N/A | N/A | 2002* | Replacement | No |
| Nut | Nova Machine | N/A | N/A | Ht #8990206-HDF | 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 Code Date Report attached. Previous NIS-2 Data Report Nos: 1155, 785, 555, 364, 224,

083. Valve was removed and reinstalled for periodic inspection. *year installed.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Eng. 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 9/17/01 to 5/10/02, 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 10, 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 ENERTECH, 2950 Birch Street, Brea, CA 92621
(name and address of N Certificate Holder)
2. Manufactured for DUQUESNE LIGHT COMPANY
(name and address of Purchaser)
3. Location of installation P.O. Box 345, Rt. 168, Shippingport, PA 15077
Beaver Valley Station
(name and address)
4. Model No., Series No., or Type Check Drawing PD97451 Rev. A CRN None
5. ASME Code, Section III, Division 1: 1974 Summer '74 2 N/A
(edition) (addenda date) (class) (Code Case no)
6. Pump or valve Valve Nominal inlet size 6" Outlet size 6"
(in.) (in.)
7. Material: Body SA-105 Bonnet N/A Disk Type 316 Bolting N/A

| (a) Cert. Holder's Serial No. | (b) Nat'l Board No. | (c) Body Serial No. | (d) Bonnet Serial No. | (e) Disk Serial No. |
|--|------------------------------|------------------------------|--------------------------------|------------------------------|
| 10330 | None | ICC-002 | None | GYW-N-017 |
| 10331 | None | ICC-001 | None | GYW-N-018 |
| 10332 | None | ICC-003 | None | GYW-N-016 |
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Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1 through 7 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. 19330 thru 19332

8. Design conditions 1100 (pressure) psi 560 (temperature) °F or valve pressure class 600 (1)
9. Cold working pressure 1480 psi at 100°F
10. Hydrostatic test 2225 psi. Disk differential test pressure 1480 psi
11. Remarks: Qty: 3

CERTIFICATION OF DESIGN

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

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2826 Expires 10/26/96
 Date 2/14/95 Name Enertech Signed Ronald Hillis
(IN Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by OOSH of State of California have inspected the pump, or valve, described in this Data Report on Feb 14, 1995 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 2/14/95 Signed CAH Commissions Ca. 1234/Pa. WCO3379
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 1455

**FORM NIS-2 OWNER'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 05/02/2002
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 3
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #01-008022-000
(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 Service Water (Class 3)

5. (a) Applicable Construction Code Section III 19 Edition, 74 Addenda, S74 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 | Mission | B4581 | N/A | 2SWS-58 | 1976 | Repaired | Yes |
| Plate | Crane Nuclear | D0296 | N/A | Ht #01194 | 2001 | Replacement | Yes |
| Plate | Crane Nuclear | D0297 | N/A | Ht #01194 | 2001 | Replacement | Yes |
| Stud | Nova Machine | N/A | N/A | Ht #94651-DZT | 1997 | Replacement | No |
| Nut | Nova Machine | N/A | N/A | N/A | 2002* | Replacement | No |

7. Description of Work Replaced valve plates and flange studs, nuts.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached. *year installed.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Engr. Date May 8, 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 10/2/01 to 5/10/02, 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 10, 20 02

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

1. Manufactured and certified by CRANE Nuclear, Inc., 860 Remington Boulevard, Bolingbrook, IL 60440
(name and address of NPT Certificate Holder)
2. Manufactured for First Energy Corporation, PO Box 345, Shippingport, PA 15077
(name and address of purchaser)
3. Location of installation Beaver Valley Power Station, Route 168, PO Box 4, Shippingport, PA 15077
(name and address)
4. Type CB02727, Rev. A SA216 Gr. WCB 70 KSI (Min.) N/A 2001
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1974 Summer 1974 3 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: PO No. 7066753. 1, Item 1 SO No. 13321-01 30" Plate, P/N 12418-EO-43
For a 30" Model K15 SEF-X04, 150#, DUO-Check Valve, Assembly Drawing No. 19285, Sht. 6 **** No Hydro performed**
Material supplier: PRL Industries, Inc., Ht. No. 01194, PRL S/N's: P387, P388
8. Nom. thickness (in.) 1.25 Min. design thickness (in.) 1.14 Dia. ID (ft. & in.) 14.25" R Length overall (ft. & in.) 24.312"
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) D0296 | N/A |
| (2) D0297 | N/A |
| (3) | |
| (4) | |
| (5) | |
| (6) | |
| (7) | |
| (8) | |
| (9) | |
| (10) | |
| (11) | |
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| (13) | |
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| (17) | |
| (18) | |
| (19) | |
| (20) | |
| (21) | |
| (22) | |
| (23) | |
| (24) | |
| (25) | |

| Part or Appurtenance Serial Number | National Board No. In Numerical Order |
|---------------------------------------|---|
| (26) | |
| (27) | |
| (28) | |
| (29) | |
| (30) | |
| (31) | |
| (32) | |
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| (43) | |
| (44) | |
| (45) | |
| (46) | |
| (47) | |
| (48) | |
| (49) | |
| (50) | |

10. Design pressure ANSI 150 psi. Temp. ANSI 150 °F. Hydro. test pressure ** at temp. °F.
(when applicable)

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

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

Certificate Holder's Serial Nos. D0296 Through D0297

CERTIFICATION OF DESIGN

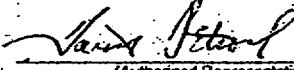
Design specifications certified by Walter Joseph Parker, Jr. P.E. State PA Reg. No. 29003-E
(when applicable)

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plate - P/N 12418-EO-43
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

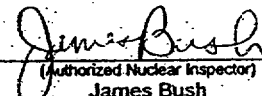
NPT Certificate of Authorization No. N-2900 Expires September 24, 2002

Date 09/29/01 Name CRANE Nuclear, Inc. Signed 
(NPT Certificate Holder) (Authorized Representative)
 Garrett Petrovich
 Sr. Quality Assurance Engineer

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or
 Province of Illinois and employed by Factory Mutual Insurance Company
Johnston, RI have inspected these items described in this Data Report on 09/29/01, and state that to the
 of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code,
 Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 09/29/01 Signed  Commissions Illinois 1077
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)
 James Bush

5 Swinick 4/19/76

FORM NP-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES
(As Required by the Provisions of the ASME Code Section IV Div 1)

NP-1 3214

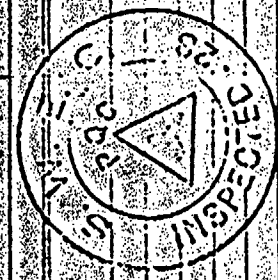
1. Manufactured by CRW Mission Co., A Div. of TRW Inc., Houston, Texas
 (Name and address of manufacturer)
 2. Manufactured for Ducquesne Light Co., Pittsburgh, Pennsylvania
 (Name and address of purchaser)
 3. Location of installation Shipping Station, Unit 2, Shippingport, Pa.
 (Name and address)
 4. Name of Valve Valve Nominal Inlet Size 30 Inlet Size 30 Outlet Size 30
 (Inch)

| (a) Code No. of Type | (b) Manufacturer's Serial No. | (c) Canadian Registration No. | (d) Drawing No. | (e) Class | (f) Year Built |
|----------------------|-------------------------------|-------------------------------|-----------------|-----------|----------------|
| (5) 15 SEP-X04 | 3 4580 | None | 19285 | 3 | -- 1976 |
| (6) 15 SEP-X04 | 3 4581 | None | 19285 | 3 | -- 1976 |
| (7) 15 SEP-X04 | 3 4582 | None | 19285 | 3 | -- 1976 |
| (8) 15 SEP-X04 | 3 4583 | None | 19285 | 3 | -- 1976 |
| (9) 15 SEP-X04 | 3 4584 | None | 19285 | 3 | -- 1976 |

5. Reverse Demineralized Water Service
(Brief description of service for which equipment was designed)

6. Design Conditions 200 psi 300 F or Valve Pressure Class N/A
 (Pressure) (Temperature)
 7. Cold Working Pressure 275 psi at 100°F
 8. Pressure Retaining Pieces

| (a) Castings | Mark No. | Material Spec. No. | Manufacturer | Remarks |
|--------------------|--------------|--------------------|--------------|------------------------------|
| <u>ASME SA-216</u> | <u>00-43</u> | <u>ASME SA-216</u> | <u>WCB</u> | <u>QUALI-CAST CORP. BODY</u> |
| <u>ASME SA-216</u> | <u>01-43</u> | <u>ASME SA-216</u> | <u>WCB</u> | <u>EICA CORP. PLATES</u> |
| (b) Forgings | | | | |
| | <u>N/A</u> | | | |



11. For manually operated valves only.

12. Supplemental sheets in form of sketches or drawings may be used provided (1) size is 6-1/2" x 11", (2) information in them is in accordance with the ASME Code, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

13. This form (EC037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017

Material Specification: ASME SA479
 Drawing: SA479
 Material: SA479
 Part: SA479
 Quantity: SA479
 Unit of Measure: SA479
 Description: SA479
 Date: SA479
 Inspector: SA479
 Signature: SA479

Manufacturer: SA479
 Part No.: SA479
 Material: SA479
 Drawing: SA479
 Quantity: SA479
 Unit of Measure: SA479
 Description: SA479
 Date: SA479
 Inspector: SA479
 Signature: SA479

ASME Authorization: 425

CERTIFICATE OF COMPLIANCE

The copy and the statements made in this report are correct and that this is a true and accurate copy of the information as furnished to the undersigned by the manufacturer.

Manufacturer: SA479
 Part No.: SA479
 Material: SA479
 Drawing: SA479
 Quantity: SA479
 Unit of Measure: SA479
 Description: SA479
 Date: SA479
 Inspector: SA479
 Signature: SA479

Our ASME Certificate of Authorization No. N 1157 is valid until 11/15/76.

CERTIFICATION OF DESIGN

Design information on file: SA479
 Part No.: SA479
 Material: SA479
 Drawing: SA479
 Quantity: SA479
 Unit of Measure: SA479
 Description: SA479
 Date: SA479
 Inspector: SA479
 Signature: SA479



CERTIFICATE OF SHOP INSPECTION

The undersigned, being a valid commission issuer of the American Society of Mechanical Engineers, hereby certifies that the material, workmanship, and construction of the above mentioned item are in accordance with the requirements of the ASME Code for Unfired Pressure Vessels.

Part No.: SA479
 Material: SA479
 Drawing: SA479
 Quantity: SA479
 Unit of Measure: SA479
 Description: SA479
 Date: SA479
 Inspector: SA479
 Signature: SA479

Date: SA479 1976

Form No. 1469

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

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

Date 03/01/02

Sheet 1 of 2

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

Unit No. 2

WO# 00-030954-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date _____

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code ASME Sect III 19 71 Edition, S73 Addenda, 1972 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 | Velan Valve | 783 | N/A | 2RCS-MOV556C | 1979 | Repaired | Yes |
| Disc | Velan Valve | *** | N/A | *** | 1986 | Replacement | No |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replace valve 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 Code Data Reports Attached.

*** - One of the following Disc were installed: SN# 1421 HT# 1171 or SN# 1422 HT# 1131

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 L. Proffitt Nuclear Instructor Date MARCH 1, 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 10/23/01 to 3/6/02, 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 NB 7509(N,I) PA 2162
National Board, State, Province, and Endorsements

Date March 6, 20 02

FORM N-3 NPT CERTIFICATE HOLDER'S DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. 1

VELAN INC., 550 McArthur Street, St. Laurent, Montreal PQ H4T 1X8 CANADA
 No. NY-2-26933-Sub/001
WESTINGHOUSE ELECTRIC CORP., P.O. BOX 355 PITTSBURGH, PA 15230 USA
 No. WM-71268-D/001 Name and address of NPT Certificate Holder for certified nuclear component
DISCS SN: 1421 & 1422 Serial No. of Part

2. Manufacturer-Certificate Holder's Serial No. of Part DISCS SN: 1421 & 1422 Serial No. of Part
E/3-024 RTV.0 Drawing Prepared by **VELAN INC.**

(b) Description of Part Inspected **SPARE PARTS: DISCS** [MARK - STOCK No.: 962637]

(c) Applicable ASME Code Section III, Edition 1983, Addenda date ---, Case No. ---, Class 2

1. Remarks **SPARE PART: "DISCS" FOR 2" BB GLOBE VALVES MOTOR OPERATED (W-I.D.: 214/8FNB)**
(Brief description of service for which component was designed)
MATERIAL SPEC. TO: STELLITE #6

DISCS HEAT NUMBER: 1171 and 1311

DISCS SERIAL NUMBER: 1421 (RT X100) & 1422 (RT: X101)

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

Date MAY 4, 1987 signed VELAN INC. By J. T. KHETTKO *Khettko*

Certificate of Authorization Engine MAY 3, 1989 (NPT Certificate Holder) Certificate of Authorization No. N-1739 (NPT)

CERTIFICATE OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at _____
 Stress analysis report on file at _____
 Design specifications certified by _____ Prof. Eng. State _____ Reg. No. _____
 Stress analysis report certified by _____ Prof. Eng. State _____ Reg. No. _____

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Quebec and employed by Velan have inspected the part of a pressure vessel described in this Partial Data Report and hereby certify that the part is constructed in accordance with the ASME Code Section III, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date May-8 1987
 Inspector's Signature Bruno Thibault **(E)** National Board, State, Province and No.

FORM N-2 (Rev. 11-1-58)

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

4. Shell Material T.S. Material T.S. Corrosion Allowance 1/8 in. Dia. 6 ft. in. Length 6 ft. in. Thickness 1/8 in. of flange openings

5. Steam Loops H.T.¹ R.T. Efficiency 5 %

6. Header (a) Material H.T.¹ R.T. No. of Courses T.S.
 Location Crown Radius Elliptical Contd. Height/Depth Flat Side to Press.
 (Top, bottom, ends) Thickness Radius Sides Other facing/ Diameter (Conn. or Conn.)
 (a) _____
 (b) _____
 If removable, bolts used _____ Other facing/ _____
 (Material, Spec. No., T.S., Size, Number) (Describe or sketch sketch)

7. Jacket Closure: (Describe as open and weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)
 8. Design pressure? 0 psi or _____ of _____
 Drop Weight _____
 Charpy Impact _____
 at temp. of _____ of _____

Items 9 and 10 to be completed for tube sections

9. Tube Sheet Stationary, Material (Steel & Spec. No.) Dia. _____ Thickness 1/8 in. Attachment (Welded, Bolted)
 Flanging, Material _____ Dia. _____ Thickness 1/8 in. Attachment _____
 (Welded, Bolted)

10. Tube Material _____ O.D. _____ in. Thickness _____ in. Attachment _____ Type _____
 (Stm. or U)

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

11. Shell Material T.S. Nominal Thickness 1/8 in. Allowance _____ in. Dia. 6 ft. in. Length 6 ft. in.
 (Steel & Spec. No.) (Gm. or Range Specified)

12. Steam Loops H.T.¹ R.T. Efficiency _____ %

13. Heads (a) Material H.T.¹ T.S. R.T. No. of Courses T.S.
 Location Thickness Crown Radius Elliptical Contd. Height/Depth Flat Side to Press.
 (a) Top, bottom, ends _____ Radius Sides Other facing/ Diameter (Conn. or Conn.)
 (b) Channel _____
 If removable, bolts used (a) _____ (b) _____ (c) _____ Other facing/ _____
 (Describe or sketch sketch)

14. Design pressure? _____ psi at _____ of _____
 Drop Weight _____
 Charpy Impact _____
 at temp. of _____ of _____

Items below to be completed for all vessels where applicable.

15. Safety Valve Outlets Number _____ Size _____ Location _____
 16. Nozzles
 Purpose (Water, Oil, Air, Steam) Number Dia. or Size Type Material Thickness Refinement Material How Attached

17. Inspection Manholes, No. _____ Size _____ Location _____
 Openings Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____
 18. Support Skirt (Yes or No) Legs (Number) _____ Legs (Number) _____ Other (Describe) _____ Attached _____
 (Show & How)

¹ If Postweld Heat-Treated.
² List other internal or external pressure with consistent temperature when applicable.

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES
 (As Required by the Provisions of the ASME Code, Section III, Div. 1)

00078

1. Manufactured by VELAN ENGINEERING COMPANIES 2125 Ward Avenue Montreal, PQ
(Name and Address of Manufacturer)
 2. Manufactured for HESTINGHOUSE ELECTRIC CORPORATION P.O. Box 355, Pittsburgh, PA 15230
(Name and Address of Purchaser or Owner)
 3. Location of Installation PROJECT: DM Beaver Valley #2 Shippingport PA DUQUESNE EIGHT CO.
(Name and Address)
 4. Pump or Valve 2"-1500#BB GLOBE VALVE Nominal Inlet Size 2" Outlet Size 2"
(inch)

| (a) Model No. Series No. or Type | (b) Manufacturer's Serial No. | (c) Canadian Registration No. | (d) Drawing No. | (e) Class | (f) Nat'l. Std. No. | (g) Year Built |
|--|-------------------------------------|-------------------------------------|--------------------|-----------|------------------------|-------------------|
| (1) <u>M08-3074B-13MS</u> | <u>#783</u> | <u>N/A</u> | <u>E73-026</u> | <u>I</u> | <u>N/A</u> | <u>1979</u> |
| (2) | | | <u>Rev. B</u> | | | |
| (3) | | | | | | |
| (4) | | | | | | |
| (5) | | | | | | |
| (6) | | | | | | |
| (7) | | | | | | |
| (8) | | | | | | |
| (9) | | | | | | |
| (10) | | | | | | |

2TB88FMI FLUID WFI RADIOACTIVE SERVICE
(Brief description of service for which equipment was designed)

5. Design Conditions 2500 psi 650 °F or Valve Pressure Class (1)
(Pressure) (Temperature)
 6. Working Pressure _____ psi at 100°F.
 7. Pressure Retaining Pieces _____

| Mark No. | Material Spec. No. | Manufacturer | Remarks |
|---|---------------------|--|---------|
| (a) Castings | | | |
| DISC S/N: <u>3168</u> H/E: <u>392</u> RT: <u>F-9656</u> | <u>Stellite "6"</u> | <u>Deloro Stellite</u> | |
| (b) Forgings | | | |
| BODY S/N: <u>783</u> H/C: <u>68746 (Code-12)</u> | <u>SA-182 F316</u> | <u>The Steel Improvement & Forge Company</u> | |
| CONNET S/N: <u>3859</u> H/C: <u>H-3695</u> | <u>SA-182 F316</u> | <u>Galt-British Forge Ltd.</u> | |
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(1) For manually operated valves only.
 * Supplemental checks for stress corrosion cracking are required for valves in service under conditions 1, 2 and 3 of this Code. Such checks shall be made in accordance with the provisions of Section III, Div. 1, Part H, Paragraph H-5100.1. This Code is published by the American Society of Mechanical Engineers, Inc., 345 East 57th Street, New York, N.Y. 10022.

| | | |
|-----------------|------------------|----------------------|
| Mark No. | Material Spec No | Material Part |
| (c) Bolting | | |
| Studs | SA-453/GR-660 | (C of C Attached) |
| Nuts | SA-194/GR-6 | (C of C Attached) |
| (d) Other Parts | | |
| Screw S/N: | SA-564/630 | Carpenter Technology |
| H/C: | 24419 | |
| Weld Rod H/C: | SFA-5.9 ER308 | Vanguard Steels |

5. Hydrostatic test Shell: 5625 ps

CERTIFICATE OF COMPLIANCE

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

Accession SUMMER 1973 Code Case No. N/A Date 1979 11 12

Signed VELAN ENGINEERING COMPANIES by H. P. Leonard

Our ASME Certificate of Authorization No. N-1738 to use the (N) symbol expires 3 MAY 1980 (Date)

CERTIFICATION OF DESIGN

Design information on file at VELAN ENGINEERING COMPANIES 2125 Ward Avenue MTL PQ

Stress analysis report (Class 1 only) on file at VELAN ENGINEERING - STRESS DEPARTMENT

Design specifications certified by (1) Henry P. Leonard

PE State PENN., USA Reg. No. 423928-E

Stress analysis certified by (1) S. Isbitsky

PE State QUEBEC Reg. No. 422115

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspection and the State or Province of QUEBEC and employed by D & G of 50112 have inspected the pump, or valve, described in this Data Bulletin on attached this pump, or valve, in accordance with the ASME Code, Section III.

By signing this certificate, I hereby certify that the pump, or valve, described in this Data Bulletin conforms to the requirements of the ASME Code, Section III, and that the manufacturer has furnished the necessary information in the manner for any pressure vessel of Division 1, Part UG, or Part UG-111 in accordance with this Code.

Date 28 Nov 79  

Form No. 1471

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

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

Date 05/02/2002
 Sheet 1 of 3

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

Unit No. 2
W.O. 01-008736-000
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 Service Water (Class 3)

5. (a) Applicable Construction Code Section III 19 74 Edition, S'74 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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 | Mission | B4583 | N/A | 2SWS-59 | 1976 | Repaired | Yes |
| Plate | Crane Nuclear | * | N/A | N/A | 2001 | Replacement | Yes |
| Stop Pin Retainer | Crane Nuclear | N/A | N/A | Ht #70203F | 2001 | Replacement | No |
| Hinge Pin Retainer | Crane Nuclear | N/A | N/A | Ht #70768AZ | 2001 | Replacement | No |
| | | | | | | | |

7. Description of Work Replaced plates, stop pin retainer and hinge pin retainer.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. *Replacement S/N not recorded.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 Engr. Date May 8, 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 11/7/01 to 5/10/02, 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. Crouch Commissions NB7509 (N.I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 10, 20 02

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

1. Manufactured and certified by CRANE Nuclear, Inc., 860 Remington Boulevard, Bolingbrook, IL 60440
(name and address of NPT Certificate Holder)
2. Manufactured for First Energy Corporation, PO Box 345, Shippingport, PA 15077
(name and address of purchaser)
3. Location of installation Beaver Valley Power Station, Route 168, PO Box 4, Shippingport, PA 15077
(name and address)
4. Type CB02727, Rev. A SA216 Gr. WCB 70 KSI (Min.) N/A 2001
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1974 Summer 1974 3 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: PO No. 7070308 Item 3 SO No. 13505-03 30" Plate, P/N 12418-E0-43

For a 30" Model K15 SEF-X04, 150#, DUO-Check Valve, Assembly Drawing No. 19285, Sht. 6 ** No Hydro performed

Material supplier: PRL Industries, Inc., Ht. No. 01193, PRL S/N's: P384, P385 & Ht. No. 01194, PRL S/N's P386, P389

8. Nom. thickness (in.) 1.25 Min. design thickness (in.) 1.14 Dia. ID (ft. & in.) 14.25" R Length overall (ft. & in.) 24.312"
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) D0390 | N/A |
| (2) D0391 | N/A |
| (3) D0392 | N/A |
| (4) D0393 | N/A |
| (5) | |
| (6) | |
| (7) | |
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| (19) | |
| (20) | |
| (21) | |
| (22) | |
| (23) | |
| (24) | |
| (25) | |

| Part or Appurtenance Serial Number | National Board No. In Numerical Order |
|------------------------------------|---------------------------------------|
| (26) | |
| (27) | |
| (28) | |
| (29) | |
| (30) | |
| (31) | |
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| (44) | |
| (45) | |
| (46) | |
| (47) | |
| (48) | |
| (49) | |
| (50) | |

1" Design pressure ANSI 150 psi. Temp. ANSI 150 °F. Hydro. test pressure ** at temp. °F.
(when applicable)

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

5-30-1976
17 2214

FORM NVA-1 MANUFACTURERS DATA REPORT FOR NUCLEAR PUMPS OR VALVES
(As required by the provisions of the ASME Code Section IV)

1. Manufactured by BRW Mission Ig Co., A Div. of TRW Inc., Houston, Texas
 2. Manufacturer Ducquesne Bassot Co., Le Mans, France
 3. Location of installation See attached drawing Unit 2, Shippingport Atomic Energy Project, Shippingport, Pa.
 4. Name of valve Valve Nominal Inlet Size 30 Outlet Size 30

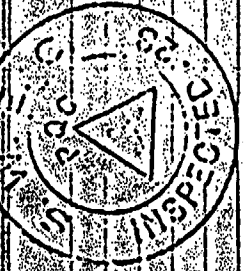
| (a) Code No. or Type | (b) Manufacturer's Serial No. | (c) Canadian Registration No. | (d) Drawing No. | (e) Class | (f) Year Built |
|----------------------|-------------------------------|-------------------------------|-----------------|-----------|----------------|
| (A) 15 SEE-X04 | 3 4580 | None | 19285 | 3 | 1976 |
| (B) 15 SEE-X04 | 3 4581 | None | 19285 | 3 | 1976 |
| (C) 15 SEE-X04 | 3 4582 | None | 19285 | 3 | 1976 |
| (D) 15 SEE-X04 | 3 4583 | None | 19285 | 3 | 1976 |
| (E) 15 SEE-X04 | 3 4584 | None | 19285 | 3 | 1976 |

5. RAYE'S DEMINERALIZED WATER SERVICE

(Brief description of service for which equipment was designed)

6. ASME Conditions 200 psi (Pressure) 300 °F (Temperature) N/A F or Valve Pressure Class (1)
 7. Code Working Pressure 275 psi at 100°F
 8. Pressure Retaining Pieces

| (a) Castings | Mark No. | Material Spec No. | Manufacturer | Remarks |
|--------------|-------------|-------------------|------------------|-----------|
| | ASME SR-216 | WCB | Quali-Cast Corp. | Body |
| | ASME SR-217 | WCB | EICA Corp. | Diaphragm |



(b) Drawings
 1. N/A
 2. N/A
 3. N/A
 4. N/A
 5. N/A
 6. N/A
 7. N/A
 8. N/A
 9. N/A
 10. N/A
 11. N/A
 12. N/A
 13. N/A
 14. N/A
 15. N/A
 16. N/A
 17. N/A
 18. N/A
 19. N/A
 20. N/A
 21. N/A
 22. N/A
 23. N/A
 24. N/A
 25. N/A
 26. N/A
 27. N/A
 28. N/A
 29. N/A
 30. N/A
 31. N/A
 32. N/A
 33. N/A
 34. N/A
 35. N/A
 36. N/A
 37. N/A
 38. N/A
 39. N/A
 40. N/A
 41. N/A
 42. N/A
 43. N/A
 44. N/A
 45. N/A
 46. N/A
 47. N/A
 48. N/A
 49. N/A
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 52. N/A
 53. N/A
 54. N/A
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 60. N/A
 61. N/A
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 74. N/A
 75. N/A
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 81. N/A
 82. N/A
 83. N/A
 84. N/A
 85. N/A
 86. N/A
 87. N/A
 88. N/A
 89. N/A
 90. N/A
 91. N/A
 92. N/A
 93. N/A
 94. N/A
 95. N/A
 96. N/A
 97. N/A
 98. N/A
 99. N/A
 100. N/A

FOR MANUFACTURER'S USE ONLY

Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 6" x 11"; (2) information in sheets is in accordance with the ASME Code; (3) each sheet is numbered and number of sheets is indicated at top of this form.

This form (EC037) may be obtained from the Order Dept., ASME, 346 E. 47 St., New York, N.Y. 10017

DATE: _____ MATERIALS: _____ PART: _____ PAGE: _____

Designing

N/A

ASME Pins

ASME SA479 306 Carpenter Steel
 ASME SA479 306 Carpenter Steel

425

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 5.

Address: _____ Code Case No. _____ Date: _____

Signature: _____
Manufacturer: _____

Current ASME Certificate of Authorization No. N-1137 to use the _____ symbol expires 6-16-76

CERTIFICATE OF DESIGN

Design information on file at: PRN Mission, Inc., 6001 W. 60th Ave., Houston, Texas

Strength analysis report (Class I only) on file at: _____

Design calculations certified by (1) Spencer Paul Buckner

PE State: TEXAS Reg. No. 26042

Stress analysis certified by (1) N/A

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

* Signatures not required. List name only.



CERTIFICATE OF SHOP INSPECTION

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

of _____, have examined the _____ is 76 and state that it complies with the ASME Shop Inspection Code

and that the pump or valve is in accordance with the ASME Shop Inspection Code

I do not assume any liability for the inspection of the _____ described in this Data Report. Further, I do not assume any liability for any damage to any person or property caused by the use of the _____ described in this report.

Signature: _____ Date: _____

Form No. 1472

**FORM NIS-2 OWNER'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 02/20/02
Sheet 1 of 2

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

Unit No. 2
WO# 99-218565-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
Authorization No. N/A
Expiration Date _____

4. Identification of System Main Steam (Class 3)

5. (a) Applicable Construction Code ASME Sect. 111 19 80 Edition, S'81 Addenda, N/A
Code Case See N-5

(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 | 8320-95453-3-2 | 2491 | 2-SVS-PCV101B | 1984 | Repaired | Yes |
| Plug | Copes-Vulcan | 00-03 | N/A | N/A | 2001 | Replacement | No |
| Plug, Inner | Copes-Vulcan | 00-01 | N/A | N/A | 2001 | Replacement | No |
| | | | | | | | |

7. Description of Work Replaced internal 10" Tandem Hush Trim Set.

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

FORM NIS-2 (Back)

9. Remarks Internal 10" Tandem Hush Trim Set was purchased as ASME III CL 2 material under PO.

101644

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 Archie L. Proffit Nuclear Instructor 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 1/31/01 to 2/24/02, 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 Amoch
Inspector's Signature

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

Date Feb 24, 20 02

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

1. Manufactured by Omega-Valve, Lake City, PA 16423
(Name and Address of N Certificate Holder)
Strom & Webster Eng. Corp., Boston, MA
(Name and Address of Manufacturer or Owner)
2. Manufactured for SAVER VALVE
(Name and Address of Purchaser and Address)
3. Location of Installation Power Station Unit 12, Shidleyport, PA
Nominal Inlet Size 10 Inch Outlet Size 10 Inch

ASME NPV-1 N Certificate Holder's (a) Canadian
Serial No. 1000 Application No. 1000 (b) Drawing No. 1000 (c) Year Built 1984
ASME NPV-1 N Certificate Holder's (d) Canadian Serial No. 1000 Application No. 1000 (e) Drawing No. 1000 (f) Case No. 2591 (g) Year Built 1984

RECEIVED

JUL 03 1984

4. Design Conditions 1115 psi 560 °F or Valve Pressure Class 150 (1)
5. Code Working Pressure 1115 psi or 100%
6. Pressure Rating Pressure 1115 psi
7. Class 6004 Y/E Actuated Valve
8. Material SA-216
9. Material Specification ASME SA-216
10. Certificate No. 110075
11. Name of Certificate Holder SAVER VALVE
12. Name of Manufacturer OMEGA VALVE
13. Name of Purchaser SAVER VALVE
14. Name of Installation SAVER VALVE
15. Name of Inspector SAVER VALVE
16. Name of Designer SAVER VALVE
17. Name of Engineer SAVER VALVE
18. Name of Fabricator SAVER VALVE
19. Name of Erector SAVER VALVE
20. Name of Inspector SAVER VALVE
21. Name of Designer SAVER VALVE
22. Name of Engineer SAVER VALVE
23. Name of Fabricator SAVER VALVE
24. Name of Erector SAVER VALVE

| (a) Certificate No. | (b) Material Spec. No. | (c) Manufacturer | (d) Remarks |
|---------------------|------------------------|------------------|---------------|
| <u>110075</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110076</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110077</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110078</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110079</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110080</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110081</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110082</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110083</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110084</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110085</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110086</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110087</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110088</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110089</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110090</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110091</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110092</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110093</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110094</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110095</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110096</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110097</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110098</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110099</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |
| <u>110100</u> | <u>ASME SA 216</u> | <u>ASME</u> | <u>CR-10B</u> |

(1) For externally operated valves only.
Name of Certificate Holder, Name of Manufacturer, Name of Purchaser, Name of Installation, Name of Inspector, Name of Designer, Name of Engineer, Name of Fabricator, Name of Erector is recorded at top of this form.

| Part No. | Material Spec. No. | Manufacturer | Part No. |
|-------------------------|--------------------|--------------|----------|
| (c) Batching | | | |
| Studs Lot NL70 | ASME SA 193 | Vitco | GR-27 |
| Wash Lot 182-1 | ASME SA 194 | Vitco | GR-28 |
| RECEIVED | | | |
| JUL 0 3 1984 | | | |
| Stone & Webster | | | |
| Engineering Corporation | | | |
| Department Review | | | |
| (d) Other Parts | | | |
| Flange S/N R3-1 | ASME SA 182 | McInnes | TP 30 |
| Inner Flange S/N R4-3 | ASME SA 182 | McInnes | TP 30 |

Q. Hydrostatic test: 2225 psi. Disk Differential test pressure: 1628 psi. CV S/N 8320-95453-3-2

CERTIFICATE OF COMPLIANCE

We certify that the materials made in this report are correct and that this pump or valve conforms to the design conditions of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1980.

Address: Stone & Webster Engineering Corporation, One West 14, 07174

Signed: Robert B. May by Robert B. May to use the ASME Code on 8/19/86

Our ASME Certificate of Authorization No. E-1842 is valid for the State of MA

CERTIFICATION OF DESIGN

Design responsibility on file at Stone & Webster Eng. Corp., Boston, MA

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

Design specifications certified by (I) Linda C. Wilson

PE Stamp N/A and Date 8/19/86

Stress analysis certified by (II) N/A

PE Stamp N/A Reg. No. N/A

(I) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

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

of Park Ridge, IL have inspected the pump or valve described in this Data Report on 7/27/84 and find that it has been fabricated in accordance with the ASME Code, Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any way for any damage or injury to persons or property resulting from the use of the equipment described in this Data Report.

Our 8008 Commission 06983 Expires 8-22-84

Factory Mutual Systems

Form No. 1474

FORM NIS-2 OWNER'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 02/22/02
 Sheet 1 of 3

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

Unit No. 2
WO# 01-004194-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code ASME Sect. 111 19 71 Edition, W72 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) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Safety Valve | Crosby | N56963-01-0007 | N/A | 2RCS-RV551C | 1976 | Replaced | Yes |
| Safety Valve | Crosby | N56963-01-0011 | N/A | 2RCS-RV551C | 1985 | Replacement | Yes |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced valve with spare. Replaced nuts on Inlet Flange.

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

9. Remarks NV-1 Code Data Report attached. Valve was replaced for testing purposes. Previous
Nis-2 Code Data /report Nos.979, 556, 345, 205, 123, 014, and 010.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 L. Proffitt, Nuclear Inspector Date 02/27, 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 11/2/01 to 3/6/02 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 March 6, 20 02

CROSBY

CROSBY VALVE & GAGE COMPANY WRENTHAM, MASS

FORM RV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the Provisions of the ASME Code Rules

QC-4C

DATA REPORT
Safety and Safety Relief Valves

1. Manufactured by Crosby Valve & Gage Company, 13 Kendrick Street, Wrentham, Ma 02093
Name and Address
Assoc. No. R-56963 6N1
Serial No. MS6963-00-0007 Drawing No. DS-C-56963 Rev. C -
Contract Date 4-4-73 National Board No. ---
Mail No. NB-66B Order No. 546-OCT-178157-2W
Westinghouse Electric Corp., Nuclear
Westinghouse Electric Corp., 15230
2. Manufactured For Energy System Pittsburgh, Pa.
Name and Address
3. Owner Duquesne Light Co., Beaver Valley Power Station, Beaver Valley Dist#02
Name and Address
4. Location of Plant Shippingport Beaver County, Pennsylvania
5. Valve Identification ENVB0158 Serial No. MS6963-00-0007 Drawing No. DS-C-56963 Rev. C -
Type Safety Orifice Size 1.952 Pipe Size --- Inlet 6 Outlet 6
Safety Safety Relief Piping Power Assisted Inlet --- Outlet ---
6. Set Pressure (PSIG) 2485 Liquid Temperature 550°
Shaped Capacity 144972 LbM./HR. 1 = Open Pressure 53 Shutter (PSIG) 25 gals
Applicable Test (PSIG) Inlet AS75 gals. Complete Valve 750 gals.
7. The material, design, construction and workmanship comply with ASME Code, Section ---
Class 1 Edition 1971, Addenda Date Winter 1972, Case No. ---
Pressure Containing or Pressure Relieving Component

Serial No. National Specifications
Inlet or Outlet
Material Specifications
Including Type or Grade

| | | |
|----------------|-----------------------|-------------------|
| Body | <u>MS0490-11-0040</u> | ASTM-A102-71 F316 |
| Seat | <u>MS0351-16-0056</u> | ASTM-A102-71 F316 |
| Support Bolt | <u>N90556-31-100</u> | ASTM-A102-71 F316 |
| Nut | <u>N90551-15-1075</u> | ASTM-A102-71 F316 |
| Disc Holder | <u>N90353-35-1133</u> | ASTM-A102-71 F316 |
| Spring Washer | <u>N90352-33-100</u> | ASTM-A102-71 F316 |
| Adjusting Bolt | <u>N90354-33-100</u> | ASTM-A102-71 F316 |
| Spindle Pin | <u>N90349-37-0121</u> | ASTM-A102-71 F316 |
| Disc Insert | <u>N90355-0032</u> | ASTM-A102-71 F316 |
| Spindle Bolt | <u>N90355-0032</u> | ASTM-A102-71 F316 |

3

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Georgia...

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 damages or injuries which may result from a use of any equipment in a manner not intended.

DATE: March 29, 1976

Inspector: Donald J. ...

Plant No. W32035 / W32035 / W32035

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

Certificate of Authorization No. 926 expires October 28, 1977

DATE: 3-22-76

SIGNED: _____

GA Manager

Manufacturer

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

| | | | | | |
|----------------------------|---------------------|---------------------------|---------------------|---------------------------|---------------------|
| <u>ASTM-A323</u> 70 CR 660 | <u>10087</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> |
| <u>ASTM-A193-71</u> CR 86 | <u>82927</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> |
| <u>ASTM-A193-71</u> CR 86 | <u>82927</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> |
| <u>ASTM-A193-71</u> CR 86 | <u>82927</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> |
| <u>ASTM-A193-71</u> CR 86 | <u>82927</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> | <u>ASTM-A193-71</u> CR 86 | <u>82927</u> |
| <u>ASTM-A304</u> CR 3160M | <u>KK-2761-0074</u> | <u>ASTM-A304</u> CR 3160M | <u>KK-2761-0074</u> | <u>ASTM-A304</u> CR 3160M | <u>KK-2761-0074</u> |

Serial No. or Identification

Material Specification including Type or Grade

Other Parts such as Pilot Components

a. Spring

b. Bolting



CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

8-18-87 Corrected Report 3-13

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the Provisions of the ASME Code Rules

G.C.-44C-1

DATA REPORT
Safety and Safety Relief Valves

1 Manufactured By Crosby Valve & Gage Co., 43 Kendrick St., Wrentham, MA 02091
Name and Address

HB-86-BP

Model No. Order No. N23911 Contract Date 2/8/83 National Board No. --
Alabama Power Company

2 Manufactured For P.O. Box 2641, Birmingham, AL 35291 Order No. ENP2-4520
Name and Address

3 Owner Alabama Power Company, Farley Nuclear Plant
Name and Address

4 Location of Plant Columbia, AL

5 Valve Identification SPARE Serial No. N56963-01-0011 Drawing No. DS-C-56963-1 Rev. 0

Type Safety Orifice Size M₁ Pipe Size -- Inlet 6 Outlet 6
Safety Safety Relief Pilot Power Actuated Inlet Inlet Inlet Inlet

6 Set Pressure (PSIG) 2485 Rated Temperature 650
344,811

Stamp Capacity 420,000 lbs/hr saturated steam % Overpressure 5% Blowdown (PSIG) --
8-18-87

Hydrostatic Test (PSIG) Inlet 4575 Complete Valve 750 psig

7 The material design, construction and workmanship comply with ASME Code, Section III.

Class I Edition 1971, Addenda Date Winter 1972, Case No. --

Pressure Containing or Pressure Retaining Components

| Bar Stock & Forgings | Serial No. Identification | Material Specification including Type or Grade |
|---|--|--|
| a. Change Body | <u>N94627-31-0001</u> | <u>ASTM A182 Gr. F316</u> |
| * Bonnet | <u>N94633-99-0001</u> | <u>ASTM A105 Gr. II</u> |
| b. Bar Stock and Forgings | | |
| Disc Holder | | |
| Change <u>K65090-99-0001</u> | <u>N94629-31-0002</u> | <u>ASTM A637 Gr. 718</u> |
| Nozzle | <u>N94628-99-0001</u> | <u>ASTM A182 Gr. F316</u> |
| Disc Insert | <u>N94630-31-0001</u> | <u>Haynes Stellite Alloy No. 6B</u> |
| Spring Washers | <u>N94634-31-0001</u> <u>N94634-31-0003</u> | <u>ASTM A105 Gr. II</u> |
| Adjusting Bolt | <u>N94635-32-0002</u> | <u>ASTM A193 Gr. B6</u> |
| Spindle Point | <u>N94631-31-0001</u> | <u>ASTM A193 Gr. B6</u> |
| Spindle Ball <u>K65091-31-0001</u> | <u>N94632-99-0001</u> | <u>ASTM A276 Type 440C</u> |

* The material, design, construction and workmanship for Bonnet comply with ASME Code, Section III, Class I, 1980 Edition, Winter 1981 Addenda in accordance with Change No. 2 to the customer's purchase order.

Lawrence P. Pires 2-18-87
Crosby Quality Assurance Date

[Signature] MA 1375 5-19
Factory Mutual ASI Date

| | Serial No. or Identification | Material Specification Including Type or Grade |
|---|------------------------------|--|
| c. Spring | <u>K55092-31-0001</u> | <u>ASTM A304 Gr. 3160H</u> |
| d. Bolting | | |
| e. Other Parts such as Pilot Components | | |
| Inlet Stud | <u>N90488</u> | <u>ASTM A453 Gr. 660</u> |
| Inlet Nut | <u>N90489</u> | <u>ASTM A193 Gr. B6</u> |
| Bonnet Stud | <u>100987</u> | <u>ASTM A453 Gr. 660</u> |
| Bonnet Nut | <u>89997</u> | <u>ASTM A193 Gr. B6</u> |
| | | |
| | | |
| | | |
| | | |
| | | |

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

Date 3-27-19 85 Signed Crosby Valve & Cage Co. By [Signature]
Manufacturer

Certificate of Authorization No. 1878 expires September 30, 1986

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MASS. and employed by Arkwright-Boston Manufacturers Mutual Insurance Company have inspected the equipment described in this Data Report on MAR. 27 19 85 and state that to the best of my knowledge and belief, the manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Section III.

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

Date MAR. 27 19 85 Factory Mutual System
[Signature] Commissions MASS. 1303
(Inspector) National Board, State, Province and No.

Form No. 1477

FORM NIS-2 OWNER'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 05/01/2002
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #01-022178-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III 19 71 Edition, W72 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 | 2-SWS-003-182-3 | 2002 | Replacement | No |
| Support | FENOC | N/A | N/A | 2SWS-PSR101 | 2002 | Replacement | No |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced section of pipe and an elbow. Removed and reinstalled 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. Elbow (Ht. #X5294) it. 14 and pipe (Ht #L22569) it. 13 on drawing 2806.262-920-612 were installed as replacements in accordance with Code Case N-416-1.
Tube steel, it. 1 on 12241-BZ-19B-49, was replaced with new Ht #17734-20 as part of 2SWS-PSR101 removal and reinstallation to allow pipe replacement. Previous NIS-2 Data Report Nos: 354 and 254.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 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 12/13/01 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 Commissions NB7509 (N,I) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 8, 20 02

Form No. 1510

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

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

Date 05/01/2002
 Sheet 1 of 3

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

Unit No. 2
W.O. #00-016955-000
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 Main Steam (Class 2)

5. (a) Applicable Construction Code Section III 19 80 Edition, S'81 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Glove Valve | Target Rock | 3 | N/A | 2MSS-SOV105C | 1984 | Repaired | Yes |
| Bonnet | Target Rock | 147 | N/A | Ht #4287 | 1994 | Replacement | Yes |
| Indicator Tube | Target Rock | 4287 | N/A | N/A | 1994 | Replacement | Yes |
| Disc | Target Rock | 365 | N/A | Ht #32614 | 1993 | Replaced | Yes |
| Disc | Target Rock | 377 | N/A | Ht #A1464 | 1996 | Replacement | Yes |

7. Description of Work Replaced bonnet assembly, main disc, and pilot disc. Seal welded body to bonnet.

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. 865. Indicator Tube was
supplied with the bonnet as an assembly.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 Engr. Date May 2, 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 11/31/02 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.

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

Date May 8, 20 02

**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

Manufactured and certified by Target Rock Corp.; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735
(Name and Address of NPT Certificate Holder)

2. Manufactured for Duquesne Light Co.; Hwy. 168; Shippingport, Pa. 15077
(Name and address of Purchaser)

3. Location of installation Beaver Valley Power Station; Shippingport, Pa. 15077
(Name and address)

4. Type: 300572-1 SA479 316 75 ksi N/A 1994
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1980 Summer 1981 2 None
(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
(pa.)

7. Remarks: Bonnet Assembly
Spare part for valve Model No. 83C-007
Bonnet P/N 300554-1 S/N 147 Indicator Tube P/N 102687-1 S/N 4267

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

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

| Part or Appurtenance Serial Number | National Board No. in Numerical Order |
|---------------------------------------|---|
| (1) 147 | N/A |
| (2) N/A | N/A |
| (3) | |
| (4) | |
| (5) | |
| (6) | |
| (7) | |
| (8) | |
| (9) | |
| (10) | |
| (11) | |
| (12) | |
| (13) | |
| (14) | |
| (15) | |
| (16) | |
| (17) | |
| (18) | |
| (19) | |
| (20) | |
| (21) | |
| (22) | |
| (23) | |
| (24) | |
| (25) | |

| Part or Appurtenance Serial Number | National Board No. in Numerical Order |
|---------------------------------------|---|
| (26) | |
| (27) | |
| (28) | |
| (29) | |
| (30) | |
| (31) | |
| (32) | |
| (33) | |
| (34) | |
| (35) | |
| (36) | |
| (37) | |
| (38) | |
| (39) | |
| (40) | |
| (41) | |
| (42) | |
| (43) | |
| (44) | |
| (45) | |
| (46) | |
| (47) | |
| (48) | |
| (49) | |
| (50) | |

Design pressure N/A psi. Temp. N/A °F. Hydro. test pressure 2225 psig at temp. °F ambient

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

Certificate Holder's Serial Nos. 147 through _____

CERTIFICATION OF DESIGN

8805/
30388-2

Design specifications certified by K.P. Pfrimmer/J.F. Harkin P.E. State CT/PA Reg. no. _____
(when applicable)

Design report* certified by Not applicable P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. 1948 Expires 12/12/95

Date 6/30/94 Name Target Rock Corp. Signed: [Signature]
(NPT Certificate Holder) E. Champay, QA Director
(Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Commercial Union Insurance Co. of Boston, Ma. have inspected these items described in this Data Report on 6/2/94 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 6/2/94 Signed William D. Holand Commissions N.Y. STATE COMMISSION NO. 2288
(Authorized Inspector) ALSO COMMISSIONED IN PENN., OHIO & CONN
(Nat'l Bd. (incl. endorsements) and state or prov. and no.)

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

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

Manufactured and certified by Target Rock Corp.; 1966E Broadhollow Rd., Farmingdale, NY
(name and address of NPT Certificate Holder)

11735

2. Manufactured for Duquesne Light Co.; Shippingport, PA 15077
(name and address of Purchaser)

3. Location of installation Beaver Valley Power Station, ; Route 168; Shippingport, PA 15077
(name and address)

4. Type: 300278-1 SA564-630 140 ksi N/A 1996
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1980 Summer 1981 2 None
(edition) (addenda date) (class) (Code Case no.)

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

7. Remarks: Main Disc

Spare parts for valve model no. 83C-004, -007, -027

8. Nom. thickness (in.) NA Min. design thickness (in.) NA Dia. ID (ft & in.) NA Length overall (ft & in.) NA

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) 377 | NA |
| (2) 379 | |
| (3) N/A | |
| (4) | |
| (5) | |
| (6) | |
| (7) | |
| (8) | |
| (9) | |
| (10) | |
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| (19) | |
| (20) | |
| (21) | |
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| (23) | |
| (24) | |
| (25) | |

| Part or Appurtenance Serial Number | National Board No. in Numerical Order |
|---------------------------------------|---|
| (26) | |
| (27) | |
| (28) | |
| (29) | |
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| (45) | |
| (46) | |
| (47) | |
| (48) | |
| (49) | |
| (50) | |

10. Design pressure NA psi. Temp. NA °F. Hydro. test pressure 260 psig at temp. °F
(when applicable) Ambient

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

Certificate Holder's Serial Nos. 377 and 379

CERTIFICATION OF DESIGN

Design specifications certified by J. F. Harkin P.E. State PA Reg. no. 30388-E
(when applicable)
Design report* certified by Not Applicable P.E. State - Reg. no. -
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1948 Expires 12/12/98
Date 9/04/96 Name Target Rock Corp. Signed [Signature]
(NPT Certificate Holder) (authorized representative)
R. Glazier, Mgr., Q.E.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by Commercial Union Insurance Co. of Boston, MA have inspected these items described in this Data Report on 9/4/96 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or of any kind arising from or connected with this inspection.

Date 9/4/96 Signed William O. Roland N.Y. STATE COMMISSION NO. 2288
(Authorized Inspector) COMMISSIONED IN PENN., OHIO & CONN.
(Nat'l. Bd. incl. endorsements) and state or prov. and no. 1

Form No. 1512

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

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

Date 05/01/2002
 Sheet 1 of 1

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

Unit No. 2
W.O. #01-008840-000
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 Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 19 71 Edition, S'73 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) |
|-------------------|----------------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Pump | Westinghouse Electro-Mech. | 3-1163E81G01 | N/A | 2RCS-P21C | 1986 | Repaired | Yes |
| Stud | Westinghouse | 9995 | N/A | N/A | --- | Replaced | No |
| Stud | Westinghouse | 12263 | N/A | Ht #89726 | 1980 | Replacement | No |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced one main flange stud.

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

FORM NIS-2 (Back)

9. Remarks Code Data Report not available. Replaced stud at the No. 7 location.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 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 7/11/01 to 5/10/02 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.

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

Date May 10, 20 02

Form No. 1514

FORM NIS-2 OWNER'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 02/26/02
 Sheet 1 of 2

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

Unit No. 2
WO# 00-030726-003
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code ASME Sect. III 1971 Edition, 72 Addenda, 1972 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 | Kerotest | JF1-19 | 6057 | 2RCS-5 | 1975 | Replaced | Yes |
| Valve | Flowserve Corp. | E371R-2-1 | N/A | 2RCS-5 HT# 719973 | 2002 | Replacement | Yes |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replace valve with spare.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports Attached. Valve replaced in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement 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 Richard L. Proffitt Nuclear Instructor Date 02/26/2002
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 2/10/02 to 3/6/02, 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 March 6, 2002

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

1. Manufactured and certified by Flowserve Corporation, 701 First Street, Williamsport, PA 17701
(name and address of N Certificate Holder)
2. Manufactured for First Energy Corp., P.O. Box 345, Shippingport, PA 15077
(name and address of Purchaser or Owner)
3. Location of installation Beaver Valley Station, State Rte. #168, Shippingport, PA 15077
(name and address)
4. Model No., Series No., or Type Globe Drawing 72577034 Rev. J CRN N/A
5. ASME Code, Section III, Division 1: 1971 Winter 1972 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 2" Outlet size 2"
(in.) (in.)
7. Material: Body SA182-F316 Bonnet SA479-316 Disk SA479-316 Bolting N/A

| (a) Cert. Holder's Serial No. | (b) Nat'l Board No. | (c) Body Serial No. | (d) Bonnet Serial No. | (e) Disk Serial No. |
|--|------------------------------|------------------------------|--------------------------------|------------------------------|
| E371R-2-1 | N/A | 53 | Heat #719973 | 61 |
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*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (back)

8. Remarks Ref. Drawing #W-D-9909-(1); Yoke, Heat #H4460, Material SA105

S.O. #E371R-2

9. Design conditions 2465 psi 650 °F or valve pressure class 1500 (1)
(pressure) (temperature)

10. Cold working pressure 3600 psi at 100°F

11. Hydrostatic test 5400 psi. Disk differential test pressure 3960 psi

CERTIFICATION OF DESIGN

Design Specification certified by L.I. Ezekoye P.E. State PA Reg. no. 18379E
 Design Report certified by Theron C. Bartlett II P.E. State PA Reg. no. 039036-E

CERTIFICATE OF SHOP 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. N1712 Expires 4/15/04

Date 1-11-02 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of ~~XXXXX~~ Pennsylvania and employed by One Beacon America Insurance of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 10-17-01th 1-11-02, 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 a loss of any kind arising from or connected with this inspection.

Date 1-11-02 Signed [Signature] Commissions Pennsylvania 2392
Charles Young (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

| Material | Material Spec. No. | Manufacturer | Remarks |
|-----------------------|--------------------|--------------|----------------|
| (c) Bolting: | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| (d) Other Parts: | | | |
| Disc: GP-9909-9-(1) | SA479 Type 316 | Carpenter | Mar 77 Code KI |
| Boiler: GP-9909-3-(1) | " | " | " " IT |
| Boiler: GP-9909-3-(1) | " | Joslyn | " " II |
| | | | |
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8. Hydrostatic test 5400 psi.

1519

CERTIFICATION OF DESIGN

Design information on file at Kerotest Manufacturing Corp.
 Stress analysis report on file at N/A
 Design specifications certified by F. Kenneth DeLuse (I) Prof. Eng. State Pa Reg. No. 17128E
 Stress analysis report certified by N/A (I) Prof. Eng. State _____ Reg. No. _____
 (I) Signature not required. List name only.

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

Date April 2 19 75 Signed Kerotest (Manufacturer) By S. J. Caroleo

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

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Pennsylvania and employed by The Hartford Steam Boiler I&I of Hartford, Connecticut have inspected the equipment described in this Data Report on April 2 19 75, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date April 2 19 75

E. P. DeLuse (Inspector) Commission NB4207 (National Board, State, Province and No.)

Form No. 1515

**FORM NIS-2 OWNER'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 2/16/02
Sheet 1 of 1

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

Unit No. BVPS 2
DCP 2371, 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 | 127427 | 223 | 2RHS-P21B | 1977 | N/A | YES |
| Residual Heat Removal Pump Stuffing Box Extension | Flowserve | RLSA01833 | N/A | 2RHS-P21B | 2001 | Replacement | YES |
| Residual Heat Removal Pump Mechanical Seal Flange | Flowserve | RLSA01572 | N/A | 2RHS-P21B | 2001 | Replacement | YES |
| | | | | | | | |

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

8. Tests Conducted: Hydrostatic (SBE & Seal by Flowserve) Pneumatic Nominal Operating Pressure
Other Pressure 900 psi Test Temp. 63 °F

FORM NIS-2 (Back)

9. Remarks Applicable Manufacturer's Data Reports attached.

2RHS-P21B was modified during refueling outage 2R09.

Mechanical seal cooler vent valve, 2RHS-308, and the seal cooling water supply and return tubing/
piping were also replaced, these components were leak tested @ 155 psi & 72F.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 Date 2/27, 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 2/11/02 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 Cimoch
Inspector's Signature

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

Date March 28, 20 02

Form No. 1516

**FORM NIS-2 OWNER'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 05/01/2002
(NAME)
76 South Main Street -- Akron, OH 44308 Sheet 1 of
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. #02-001510-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, 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 | 2-SWS-002-104-3 | 2002 | Replacement | No |
| Piping | FENOC | N/A | N/A | 2-SWS-002-095-3 | 2002 | Replacement | No |
| Piping | FENOC | N/A | N/A | 2-SWS-002-105-3 | 2002 | Replacement | No |
| Piping | FENOC | N/A | N/A | 2-SWS-002-755-3 | 2002 | Replacement | No |
| Piping | FENOC | N/A | N/A | 2-SWS-150-968-3 | 2002 | Replacement | No |

7. Description of Work Replaced pipe and fittings with new.

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. Replacements were 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 [Signature] Lead Eng. Date May 20, 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 2/12/02 to 5/20/02, 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.

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

Date May 20, 20 02

Form No. 1517

FORM NIS-2 OWNER'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 02/26/02
 Sheet 1 of 2

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

Unit No. 2
WO# 00-007837-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System Safety Injection (Class 1)

5. (a) Applicable Construction Code ASME Sect. III 19 71 Edition, S72 Addenda, 1972 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of 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 | Kerotest. | ADF8-1 | 5658 | 2SIS-122 | 1975 | Repaired | Yes |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Seal welded the cap to the body of the valve.

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

FORM NIS-2 (Back)

9. Remarks This repair is not due to a failure, it is to correct a leak caused by a bad gasket.

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 Archie J. Proffitt NUCLEAR INSTRUCTOR Date 02/26 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 2/13/02 to 3/7/02 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. Crock
Inspector's Signature

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

Date March 7, 2002

Form No. 1518

FORM NIS-2 OWNER'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 02/26/02
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO# 00-030727-003
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code ASME Sect. III 19 71 Edition, W72 Addenda, 1972 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 | Kerotest | JT1-17 | 6055 | 2RCS-7 | 1975 | Replaced | Yes |
| Valve | Flowsolve Corp. | E839R-1-1 | N/A | 2RCS-7 HT# 719973 | 2002 | Replace ment | Yes |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replace valve with spare.

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

FORM NIS-2 (Back)

9. Remarks Code Data Reports Attached. Valve replaced in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement 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 L. Proffitt Nuclear Instructor Date 02/26, 2002
Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 8/1/01 to 3/6/02 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 March 6, 2002

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

Certificate Holder's Serial No. B839R-1-1

8. Design conditions 2465 psi 650 °F or valve pressure class 1500 (1)

9. Cold working pressure 3600 psi at 100°F

10. Hydrostatic test 5400 psi. Disk differential test pressure 3960 psi

11. Remarks: Ref. Drawing #W-D-9909-(1); Yoke, Heat #H4460, Material SA105

CERTIFICATION OF DESIGN

Design Specification certified by L.I. Ezekoye P.E. State PA Reg. no. 18379E
Design Report certified by Theon C. Bartlett II P.E. State PA Reg. no. 039036-E

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N1712 Expires 04/15/04
Date 2/16/02 Name Flowserye Corporation Signed M. K. Dumbally
(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 Pennsylvania and employed by One Beacon America Insurance of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 2-16-02, 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 a loss of any kind arising from or connected with this inspection.

Date 2-16-02 Signed William Wilke Commissions Pennsylvania 1722
William Wilke (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

| Marking | Material Spec. No. | Manufacturer | Remarks |
|-----------------------|--------------------|--------------|---------------|
| (c) Bolting | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| (d) Other Parts | | | |
| Discs: JP-9909-9-(1) | SA479 Type 316 | Carpenter | Mat'l Code KI |
| Boards: JP-9909-3-(1) | " | " | " DT |
| Boards: JP-9909-3-(1) | " | Joslyn | " II |
| | | | |
| | | | |
| | | | |
| | | | |

B. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Kerotest Manufacturing Corp.
 Stress analysis report on file at N/A
 Design specifications certified by F. Kenneth Deluse (I) Prof. Eng. State Pa. Reg. No. 17128E
 Stress analysis report certified by N/A (I) Prof. Eng. State Reg. No. _____

1) Signature not required. List name only.

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

Date April 2 19 75 Signed Kerotest By S. J. Caroleo
 (Manufacturer)

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

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by The Hartford Steam Boiler I&I Co of Hartford, Connecticut have inspected the equipment described in this Data Report on April 2 19 75, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date April 2 19 75

E. Bendish
 (Inspector)

Commissions NB 4207
 (National Board, State, Province and No.)

Form No. 1520

FORM NIS-2 OWNER'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 02/20/02
 Sheet 1 of 2

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

Unit No. 2
WO# 02-001112-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By: FENCO Maintenance
(NAME)
Shippingport, PA.
(ADDRESS)

Type Code Symbol Stamp Not Applicable
 Authorization No. N/A
 Expiration Date _____

4. Identification of System Main Steam System (Class 2)

5. (a) Applicable Construction Code ASME Sect. III 19 71 Edition, S72 Addenda, 1972 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built * | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|--------------|------------------------------------|-------------------------------|
| Valve | Walworth Co. | D-66543 | 1801 | 2MSS-17 | 1978 | Repaired | Yes |
| Studs | Nova Machine | N/A | N/A | HT# 99694 SSM | N/A | Replacement | No |
| Nuts | Nova Machine | N/A | N/A | HT# B87035-B541 | N/A | Replacement | No |

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

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

9. Remarks Code Data Report attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 1/4-ADM-0801 ASME Section XI Repair/Replacement and Repair/Alteration Program

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

Signed Robert L. Pappert Nuclear Instructor Date 02/25, 2002
Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the 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

Owner's Report during the period 2/19/02 to 3/1/02 have inspected the components described in the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date March 1, 2002

SERIAL NO: D66543
 MARK NO: 2MSS-17
 TYPE: VGH060-A-2
 COMMENTS:
 280-073

2Y31299-015A

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
 (As Required by the Provisions of the ASME Code, Section III, Div. 1)

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

| (a) Model No. Series No. or Type | (b) Manufacturers' Serial No. | (c) Canadian Registration No. | (d) Drawing No. | (e) Class | (f) Nat'l. Std. No. | (g) Year Built |
|--|-------------------------------------|-------------------------------------|--------------------|-----------|------------------------|-------------------|
| (1) 5232 WE | D66543 | N/A | SK-1961-5B | 2 | 1801 | 1978 |
| (2) | | | | | | |
| (3) | | | | | | |
| (4) | | | | | | |
| (5) | | | | | | |
| (6) | | | | | | |
| (7) | | | | | | |
| (8) | | | | | | |
| (9) | | | | | | |
| (10) | | | | | | |

VALVE

D66543

SERIAL NO

5. Oil/Steam/Water
(Brief description of service for which equipment was designed)

6. Design Conditions psi (Temperature) F or Valve Pressure Class ANSI 600 (1)

7. Cold Working Pressure 1440 psi at 100°F.

8. Pressure Retaining Pieces

| Mark No. | Material Spec. No. | Manufacturer | Remarks |
|---------------------|--------------------|--|-------------------|
| (a) Castings | | | |
| Body - 454E P1 | SA216, WCB | Walworth Company | Seal Welded Seats |
| Bonnet - 677C P3 | SA216, WCB | Valve Castings | Seal Welded Seat |
| Wedge - C23 P4 | SA216, WCB | Walworth Company | CoCrA Faced Seats |
| (b) Forgings | | | |
| | | Duquesne Light Company | |
| | | Beaver Valley Unit No. 2 | |
| | | P. O. No. 28V-73, I. O. No. 19241 | |
| | | Carbon Steel Valves - 2 1/2 In. and Larger | |
| | | Category 1 | |
| | | Walworth Company | |
| | | Greensburg, PA 15601 | |

(1) For manual/cooperated valves only.

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

| | | | |
|---|--------------------|------------------|----------|
| MARK NO. | MATERIAL SPEC. NO. | MANUFACTURER | 2-1-1973 |
| SIZE - 36508 | SA 194. 28 | SAFETY VALVE CO. | |
| CODE - "V" | | | |
| SIZE - 36508 | SA 194. 28 | R. E. C. | |
| CODE - "30" | | | |
| (d) OTHER PARTS | | | |
| Dyqueno Light Company | | VALVE | |
| Evapor Valve Unit No. 2 | | | |
| P.O. NO. 23V-75, J.O. No. 12241 | | N66543 | |
| Carbon Steel Valves - 1/2 in and larger | | CATEGORY I | |
| Walworth Company | | SERIAL NO. | |
| Greenburg, PA 15601 | | | |

2. Hydraulic test 2175 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conform to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition June 30, 1972. Code Case No. 1692. Date 8-22-78

Signed Walworth Company by J. W. Beck
(Manufacturer)
 Our ASME Certificate of Authorization No. 1951 to use the N symbol expires 5/9/80
(or given)

CERTIFICATION OF DESIGN

Design information on file at Walworth Company, Greenburg, PA 15601
 Stress analysis report (Class 1 only) on file at N/A
 Design specifications certified by (1) C. U. Richardson, et al.
 PE Stamp CU Reg. No. 87A
 Stress analysis certified by (1) N/A
 PE Stamp N/A Reg. No. N/A
 (1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by The Hartford Steam Boiler at Hartford, Conn. 06102 have inspected the pump, or valve, described in this Code Report on 8-22-78 and state that to the best of my knowledge and belief the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Code Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 8-22-78 Ins. No. 1178
 Commissioner W88153 PA2227
(N.B. Sign, Print and Mail)

Form No. 1522

FORM NIS-2 OWNER'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 05/01/2002
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 W.O. 02-002476-000
(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 (Class 2)

5. (a) Applicable Construction Code Section III 19 71 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) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Valve | Fisher Control | 5945443 | 4192 | 2CHS-HCV389 | 1979 | Repaired | Yes |
| Stud | Nova Machine | N/A | N/A | Ht #530221-B908 | 2001 | Replace-ment | No |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

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

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Studs were replaced when valve was removed from system
to correct a packing leak.

CERTIFICATE OF COMPLIANCE

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

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

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

Signed [Signature] Lead Eng. Date May 1, 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 2/20/02 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.

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

Date May 8, 20 02

(2)

1. Manufacturer by ESSEX CONTROLS CO. P.O. BOX 190, BRISTOL-2ND, LOWA 50156
 Name and address of Manufacturer
FASTINGTONS, ELECT. CONTR. P.O. BOX 355, PITTSBURGH PA 15220
 Name and address of Purchaser or Owner
 2. Location of installation BEAVER VALLEY #2, SHEDDINGSPORT, PA
 Name and address
 3. Name of valve VALVE Nominal inlet size _____ (inch) Outlet size _____ (inch)

4. (a) Model No. (b) Manufacturer's Serial No. (c) Cradling Registration No. (d) Drawing No. (e) Cast No. (f) Date of Issue
 551164 5055441 N/A 52A110 REV D 1 7 4192 1979

- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20

EXCESS LEAKDOWN HK. GATELET (PART TO 11077)
 (Brief description of service for which equipment was designed)

5. Design Conditions Pressure 200 psi Temperature 200 F or Valve Pressure Class N/A A1
 7. Cold Working Pressure 77.5 ksi at 100°F
 8. Flange Rating Factors

| Mark No. | National Spec. No. | Manufacturer | Remarks |
|----------|--------------------|--------------|---------|
|----------|--------------------|--------------|---------|

(a) Castings
 4. 2049 S/N 7 SA-351-CERN WICK BODY

| Welds | Mark No. | National Spec. No. | Manufacturer | Remarks |
|-------|----------|--------------------|--------------|---------|
|-------|----------|--------------------|--------------|---------|

Welds
 1. 102-2P SA-312-F316 KRDP Forge BONNET

(1) For manually operated valves only.

OC:KS NHS 123

Supplemental details in form of data sheets or drawings may be used provided they are: 1) size 8.5 x 11; 2) information is clearly legible; 3) not placed on each sheet and 3) each sheet is numbered and number of sheets is recorded at end of this form.

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

1. Owner First Energy Nuclear Operating Company Date 02/28/02
 Name
76 South Main Street -- Akron, OH 44308-1890 Sheet 1 of 1
 Address

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

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

4. Identification of System Reactor Coolant (Class 1)

5.(a) Applicable Construction Code Section III 1971 Edition, S'72 Addenda, See N-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1989 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Heat Exchanger | Westinghouse | DMGT-1961 | W-16598 | 2RCS-SG21A | 1977 | Repaired & Replaced | Yes |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Plugged 18 tubes (hot leg & cold leg). Stabilized 6 tubes in the hot leg
Installed new gaskets on primary side manways (2), secondary side handholes (2) and
2.00" inspection ports (4).
Replaced bolt #7 in secondary side handhole #1.

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

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

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

FORM NIS-2 (Back)

9. Remarks ASME repair work orders: Tube plugging/stabilization - W.O. 01-008284-000
Applicable Manufacturer's Data Reports to be attached
Handhole bolt replacement - W.O. 01-008288-000

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Ray Albert, Lead Nuc. Adv. Date 2/28/02

 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 Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 8/2/01 to 3/8/02, 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 Cirochi Commissions NB7509 (N,I) PA 2162

 Inspector's Signature National Board, State, Province, and Endorsements

Date March 8, 2002

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

1. Owner First Energy Nuclear Operating Company Date 02/28/02
 Name
76 South Main Street - Akron, OH 44308-1890 Sheet 1 of 1
 Address

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

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

4. Identification of System Reactor Coolant (Class 1)

5.(a) Applicable Construction Code Section III 19 71 Edition, S72 Addenda, See N-1 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 19 1989 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Heat Exchanger | Westinghouse | DMGT-1962 | W-16599 | 2RCS-SG21B | 1977 | Repaired | Yes |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Plugged 12 tubes (hot leg & cold leg). Stabilized 3 tubes in the hot leg.
Installed new gaskets on primary side manways (2), secondary side handholes (2) and
2.00" inspection ports (4).

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

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

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

FORM NIS-2 (Back)

9. Remarks ASME repair work orders: Tube plugging/stabilization - W.O. 01-008285-000
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Ray Albert, Lead Nuc. Adv. Date 2/28/02
 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 Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 8/2/01 to 3/8/02, 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(V,I) PA2162
 Inspector's Signature National Board, State, Province, and Endorsements

Date March 8, 2002

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

1. Owner First Energy Nuclear Operating Company Date 02/28/02
Name
76 South Main Street - Akron, OH 44308-1890 Address Sheet 1 of 1

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

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

4. Identification of System Reactor Coolant (Class 1)

5.(a) Applicable Construction Code Section III 1971 Edition, S'72 Addenda, See N-1 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement 1989 Edition

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Heat Exchanger | Westinghouse | DMGT-1963 | W-16600 | 2RCS-SG21C | 1977 | Repaired & Replaced | Yes |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Plugged 5 tubes (hot leg & cold leg). Stabilized 2 tubes in the hot leg.
Installed new gaskets on primary side manways (2), secondary side handholes (2) and
2.00" inspection ports (4).
Replaced the helicoil in bolthole #10 on the primary side cold leg manway.
Installed helicoil in bolthole #7 of secondary side handhole #1.

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

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

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

FORM NIS-2 (Back)

- 9. Remarks ASME repair work orders: Tube plugging/stabilization – W.O. 01-008287-000
Applicable Manufacturer's Data Reports to be attached
- Replacement of primary manway Helicoil – W.O. 01-008287-000
- Installation of helicoil in secondary side handhole – W.O. 01-008292-000

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Ray Alberto Lead Nuc. Adv. Date 2/28/02
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 Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 8/2/01 to 3/8/02, 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 March 8, 2002

Form No. 1528

FORM NIS-2 OWNER'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 04/26/2002
 Sheet 1 of 2

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

Unit No. 2
W.O. #01-020747-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/A
 Authorization No. N/A
 Expiration Date "

4. Identification of System Chemical and Volume Control (Class 2)

5. (a) Applicable Construction Code Section III 19 71 Edition, W'72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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 | N56900-00-0029 | N/A | 2CHS-RV382B | 1993 | Replaced | Yes |
| Relief Valve | Crosby | N56900-00-0034 | NB-209 | 2CHS-RV382B | 1976 | 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. 513 (Code Data Report not available for replaced valve).

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp per 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 May 20, 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 1/18/02 to 5/20/02, 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 20, 20 02

CROSBY

CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the Provisions of the ASME Code Rules

G.C.-44C

DATA REPORT
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick St., Wrentham, Mass. 02093
Name and Address
Model No. JB-25-TD-WR Order No. N302954 Contract Date 3/30/73 National Board No. NB-209
Westinghouse Electric Corporation
2. Manufactured For P.O. Box 355, Pittsburgh, Penn. 15230 Order No. 546-CCK-183426-BN
Name and Address
3. Owner Duquesne Light Co., Beaver Valley Power Station, Beaver Valley Unit #2
Name and Address
4. Location of Plant Shippingport, Beaver County, Pennsylvania
5. Valve Identification RV-8123-DMW Serial No. N56900-00-0034 Drawing No. DS-C-56900 Rev. A
Type Relief Orifice Size J Pipe Size — Inlet 2 Outlet 3
Safety Safety Relief Pilot Power Actuated Inch Inch inch inch
6. Set Pressure (PSIG) 150 Rated Temperature 150°
- Stamped Capacity 180 gpm Water @ 10 % Overpressure Blowdown ~~XXXX~~ 10% of S.P.
~~XXXX~~
- Hydrostatic Test (PSIG) Inlet 425 Outlet 425
~~XXXXXXXXXXXX~~
7. The material, design, construction and workmanship comply with ASME Code, Section III
Class 2 Edition 1971, Addenda Date Winter 1972, Case No. _____

Pressure Containing or Pressure Retaining Components

| a. Castings | Serial No. Identification | Material Specification Including Type or Grade |
|---------------------------|---|--|
| Body | <u>N90135-35-0037</u> | <u>ASTM A351-72 Gr. CF8M</u> <u>ASME SA351 Gr. CF8M</u> |
| Bonnet | <u>N90449-32-0030</u> | <u>ASTM A216-70 Gr. WCB</u> <u>ASME SA216 Gr. WCB</u> |
| b. Bar Stock and Forgings | | |
| Support Rods | <u>---</u> | <u>---</u> |
| Nozzle | <u>N90137-39-0079</u> | <u>ASTM A479-71 Type 316</u> <u>ASME SA479 Type 316</u> |
| Disc Insert | <u>N90448-36-0101</u> | <u>ASTM A479-71 Type 316</u> <u>ASME SA479 Type 316</u> |
| Spring Washers | Top <u>N88634-42-0181</u> Bottom <u>N88634-42-0192</u> | <u>ASTM A193-70 Gr. B6</u> <u>ASME SA193 Gr. B6</u> |
| Adjusting Bolt | <u>N88635-42-0187</u> | <u>ASTM A193-70 Gr. B6</u> <u>ASME SA193 Gr. B6</u> |
| Spindle | <u>K55162-38-0071</u> | <u>ASTM A193-70 Gr. B6</u> <u>ASME SA193 Gr. B6</u> |

NO. 11117 P. 2/3
1-28-87
*Corrected Report 1/28/87

marks: Report corrected to add the date to the Certificate of Shop Inspection after
 modification to the component route sheet. Original AMF Signee is no longer in the employment
 Factory Mutual.

NB-8611-N MA-1301 PAWC 3385

L. P. Reis
 Quality Assurance Date 1-28-87

[Signature]
 Factory Mutual AMF Date 1-28-87

| | Serial No. or Identification | Material Specification Including Type or Grade |
|--|------------------------------|--|
| c. Spring | <u>NX-2605-0030</u> | <u>ASTM A313 Type 316</u> |
| d. Bolting | | |
| e. Other Parts, such as Pilot Components | | |
| Bonnet Stud | <u>89289</u> | <u>ASTM A453-70 Gr. 660</u> <u>ASME SA453 Gr. 660</u> |
| Bonnet Stud Nut | <u>89293</u> | <u>ASTM A193-71 Gr. B6</u> <u>ASME SA193 Gr. B6</u> |
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We certify that the statements made in this report are correct.
 Date 4-23 19 76 Signed Crosby Valve & Gage Co. By [Signature]
 Manufacturer QA Manager

Certificate of Authorization No. 926 expires October 28, 1977

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mass. and employed by Factory Mutual Systems*, Norwood, Mass. have inspected the equipment described in this Data Report on * AUG 30 1976 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Section III

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

Date 8-30-76 19 76
[Signature] Commissions NB 7325 PAWC 3383
 Inspector National Board State Province and No.

[Signature]
1-28-87

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

Form No. 1529

FORM NIS-2 OWNER'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 04/25/2002
 Sheet 1 of 3

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

Unit No. 2
W.O. #02-001355-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp N/A
 Authorization No. N/A
 Expiration Date "

4. Identification of System Residual Heat Removal (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W'72 Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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 Valve | N56904-00-0043 | 1065 | 2RHS-RV721B | 1978 | Replaced | Yes |
| Relief Valve | Crosby Valve | N56904-00-0064 | 1070 | 2RHS-RV721B | 1988 | 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 Code Data Report attached. Valve was inspected after having been in service with no evidence of boric acid present.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 May 20, 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 1/22/02 to 5/20/02, 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.

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

Date May 20, 20 02



CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
 As required by the Provisions of the ASME Code Rules

QC-44C-1

DATA REPORT
Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Co., 43 Kendrick St., Wrentham, MA 02093
 Name and Address

Model No. JB-35-ID-WR Order No. N86738 Contract Date 1/20/88 National Board No. 1070
Westinghouse Electric Corp.

2. Manufactured For PO Box 3700 Pittsburgh, PA 15230 Order No. MN-77662-M
 Name and Address

3. Owner Duquesne Light Co.
 Name and Address

4. Location of Plant Beaver Valley No. 2 Pennsylvania

5. Valve Identification 3RV-76LWB Serial No. N56904-00-0064 Drawing No. DS-C-56904 Rev. A

Type Relief Orifice Size 2.030 Pipe Size --- Inlet 3 Outlet 4
 Safety Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch

6. Set Pressure (PSIG) 600 400 F
 Rated Temperature

Stamped Capacity 1133 GPM WTR @ 70°F @ 10 % Overpressure Blowdown (PSIG) 10% of S.P.

Hydrostatic Test (PSIG) Inlet 950 Complete Valve 425

7. The material, design, construction and workmanship comply with ASME Code, Section III.

Class 2 Edition 1971, Addenda Date Winter 1972, Case No. 1567

Pressure Containing or Pressure Retaining Components

| | Serial No. Identification | Material Specification Including Type or Grade |
|---------------------------|--|--|
| a. Castings | | |
| Body | <u>N90445-60-0083</u> | <u>ASTM A 351 Gr. CF8M</u> |
| Bonnet | <u>N90447-52-0068</u> | <u>ASTM A 216 Gr. WCB</u> |
| b. Bar Stock and Forgings | | |
| Support Rods | | |
| Nozzle | <u>N90149-77-0160</u> | <u>ASTM A 479 Type 316</u> |
| Disc Insert | <u>N90446-65-0139</u> | <u>ASTM A 479 Type 316</u> |
| Spring Washers | <u>N88697-38-0242</u> <u>N88697-38-0240</u> | <u>ASTM A 193 Gr. B6</u> |
| Adjusting Bolt | <u>N88698-56-0187</u> | <u>ASTM A 193 Gr. B6</u> |
| Spindle | <u>K55179-69-0116</u> <u>N88700-01-0134</u> | <u>ASTM A 193 Gr. B6</u> |

| | Serial No. or Identification | Material Specification Including Type or Grade |
|---|------------------------------|--|
| c. Spring | <u>NX2769-0004</u> | <u>ASTM A 313 Type 316</u> |
| d. Bolting | | |
| e. Other Parts such as Pilot Components | | |
| Bonnet Stud | <u>104091</u> | <u>ASTM A 453 Gr. 660</u> |
| Bonnet Nut | <u>89294</u> | <u>ASTM A 193 Gr. B6</u> |
| | | |
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| | | |

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

Date 10-27 19 88 Signed Crosby Valve & Gage Co. By [Signature]
Manufacturer

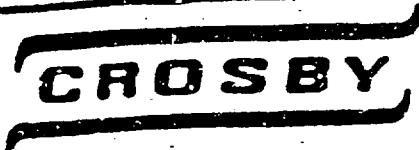
Certificate of Authorization No. 1878 expires September 30, 1989

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mass. and employed by Arkwright Mutual Insurance Company have inspected the equipment described in this Data Report on OCT 27 19 88 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Section III.

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

Date OCT 27 19 88 Factory Mutual System
[Signature] (Inspector) Commissions NSBCH MA-1301 PA WC-3388
National Board, State, Province and No.)



CROSBY VALVE & GAGE COMPANY

WRENTHAM, MASS

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the Provisions of the ASME Code Rules

Q.C.-44C

DATA REPORT

Safety and Safety Relief Valves

1. Manufactured By Crosby Valve & Gage Co., 43 Kendrick St., Wrentham, MA 02093
Name and Address

Model No. JB-35-TD-WR Order No. N302954A Contract Date 9/15/76 National Board No. 1065
Westinghouse Electric Corp. - Nuclear Energy Systems

2. Manufactured For P.O. Box 355, Pittsburgh, PA 15230 Order No. 546-CG-183426-BN
Name and Address C/N 011

3. Owner Duquesne Light Company, - Beaver Valley No. 2
Name and Address

4. Location of Plant Pennsylvania

5. Valve Identification KV-8732B-122W Serial No. N36904-00-0043 Drawing No. DS-C-56904 Rev. A

Type Relief Orifice Size L Pipe Size - Inlet 3 Outlet 4
Inch Inch Inch Inch

6. Set Pressure (PSIG) 450 Rated Temperature 7
900 GPM Water @ 70°F

Stamped Capacity 10 % Overpressure 10% Blowdown (PSIG) 10% of S.P.
900 GPM Water

Hydrostatic Test (PSIG) Inlet 725 Complete Valve 425

7. The material, design, construction and workmanship comply with ASME Code, Section III.
Class 2 Edition 1971, Addenda Date Winter 1972, Case No. _____

Pressure Containing or Pressure Retaining Components

| a. Castings | Serial No. Identification | Material Specification including Type or Grade |
|---------------------------|---------------------------|--|
| Body | <u>N90445-41-0051</u> | <u>ASME SA351 Gr. CF8M</u> |
| Bonnet | <u>N90447-41-0051</u> | <u>ASME SA216 Gr. WCB</u> |
| b. Bar Stock and Forgings | | |
| Support Rods | <u>N90149-44-0088</u> | <u>ASME SA182 Gr. F316</u> |
| Nozzle | <u>N90446-38-0058</u> | <u>ASME SA479 Type 316</u> |
| Disc | <u>N88697-57-0206</u> | <u>ASTM A193-71 Gr. B6</u> |
| Spring Washers | <u>N88697-57-0212</u> | <u>ASTM A193 Gr. B6</u> |
| Adjusting Bolt | <u>N88698-99-0165</u> | <u>ASTM A193-70 Gr. B6</u> |
| Spring | <u>K55179-41-0057</u> | <u>ASTM A193-71 Gr. B6</u> |
| *Spring Washers | <u>N88697-57-0206</u> | <u>ASTM A193 Gr. B6</u> |
| | <u>N88697-57-0212</u> | |
| *Adjusting Bolt | <u>N88698-99-0165</u> | |

A.S. slides
B.S. slides
7-19-85

*Remarks: Report corrected due to sat pressure change per customers request on purchase order no. 546-CCJ-183426 and Crosby order no. N302954C.

L. J. Lucia 7-19-85
Crosby Quality Assurance Date

Donald J. Chinn Mass 1090 7/14/85
Factory Mutual - ANI Date

| | Serial No. or Identification | Material Specification |
|---|---|--|
| c. Spring | A.I.C. 2/10 7/29/85 NX2618-0087 *182769-0002 | Including Type or Grade A.I.C. 7/29/85 ASTM A313-76 Type 316 |
| d. Bolting | | |
| e. Other Parts such as Pilot Components | | |

**Remarks: Report corrected to add a National Board Number. Original ANI Signee is no longer in the employment of Factory Mutual Systems.

Lourence J. Lucia 11-18-86
Crosby Quality Assurance Date

Don J. Chinn Mass 1090 11-18-86
Factory Mutual ANI Date

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

Date 5-30 19 78 Signed Crosby Valve & Gage Co. By Don J. Chinn
Manufacturer

Certificate of Authorization No. 1878 expires September 30, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Mass. and employed by Factory Mutual Insurance, Norwood, Mass. have inspected the equipment described in this Data Report on 7-18 1978 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Section III.

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

Date: 7-18 19 78
Don J. Chinn Commission MB-1209
(Inspector) National Board, State, Province and No.

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

Form No. 1531

**FORM NIS-2 OWNER'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 2/21/02

Sheet 1 of 2

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

Unit No. BVPS 2

DCP 2435
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By First Energy
(NAME)
Shippingport, Pa. 15077
(ADDRESS)

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Chemical and Volume Control (Class 2)

5. (a) Applicable Construction Code ASME 1971 Edition, W72 Addenda, See N-5 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 | Schneider Power | 2-SR-7-15-CHS | N/A | 2-CHS-004-357-2 | 1987 | Replaced | Yes |
| Piping | FENOC | N/A | N/A | 2-CHS-004-357-2 | 2002 | Replacement | No |
| Piping | Schneider Power | 2-SR-7-15-CHS | N/A | 2-CHS-003-70-2 | 1987 | Replaced | Yes |
| Piping | FENOC | N/A | N/A | 2-CHS-003-70-2 | 2002 | Replacement | No |
| Piping | Schneider Power | 2-SR-7-15-CHS | N/A | 2-CHS-150-672-2 | 1987 | Replaced | Yes |
| Globe Valve | Velan Valve Corp. | 840448-1 | N/A | 2CHS-815 | 1987 | Replaced | Yes |

7. Description of Work:

Added a replacement spool piece and replaced fittings in pipeline 2-CHS-004-357 & 2-CHS-003-70-2. Replaced piping and fittings in pipeline 2-CHS-003-70-2, including replacement of tee and reducer with a 90° elbow. Removed a section of retired pipeline 2-CHS-150-672-2, including valve 2CHS-815, and capped the pipe ends.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure

Other Pressure 3008 psi Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks Replacement of pipe and fittings was in accordance with Code Case N-416-1. No Code Data Reports for materials (pipe and fittings). Pipe fittings replaced: 4" flange (2), 4" x 3" reducing elbow, 3/4" cupolet, 3" tee, 3" x 2" reducer. New welds on pipeline 2-CHS-150-672-2 were hydrostatically tested.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the 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 *M. P. Johnson Sr. Engineer (S.E.W.)* Date March 26, 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 8/28/01 to 4/4/02, 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 April 4, 20 02

FORM NIS-2 OWNER'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 2/21/02
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 2 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. BVPS 2
(NAME)
Shippingport, PA 15077 DCP 2435
(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 Chemical and Volume Control (Class 2)

5. (a) Applicable Construction Code ASME 1971 Edition, W72 Addenda, See N-5 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacements Components

Continuation from Sheet 1 of 2 (Item 6)

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (YES or NO) |
|--------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Piping | Schneider Power | 2-SR-7-15-CHS | N/A | 2-CHS-002-275-2 | 1987 | Replaced | Yes |
| Piping | FENOC | N/A | N/A | 2-CHS-002-275-2 | 2002 | Replacement | No |
| Piping | FENOC | N/A | N/A | 2-CHS-003-977-2 | 2002 | Replacement | No |
| Support, Restraint | FENOC | N/A | N/A | 2CHS-PSR866 | 2002 | Replacement | No |
| Support, Restraint | FENOC | N/A | N/A | 2CHS-PSSH867 | 2002 | Replacement | No |

7. Description of Work:

Removed and replaced portions of line 2-CHS-002-275-2 and installed a new pipeline 2-CHS-003-977-2. Added (2) new pipe supports 2CHS-PSR866 and 2CHS-PSSH867 in pipeline 2-CHS-003-70-2.

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

Robert Cimoch ANII
NB7509 (N,I) PA 2162

4/4/02

Form No. 1534

FORM NIS-2 OWNER'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 4/26/02
(NAME)

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

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

Shippingport, PA 15077 WO #01-008964-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

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

Expiration Date "

4. Identification of System Reactor Coolant (Non Q, but within first anchor)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 17210 | N/A | 2RCS-PSSP035X | --- | Replaced | No |
| Snubber | Pacific Scientific | 17005 | N/A | 2RCS-PSSP035X | --- | Replacement | No |
| Snubber | Pacific Scientific | 10961 | N/A | 2RCS-PSSP883A | --- | Replaced | No |
| Snubber | Pacific Scientific | 3701 | N/A | 2RCS-PSSP883A | --- | Replacement | No |
| Snubber | Pacific Scientific | 3688 | N/A | 2RCS-PSSP883B | --- | Replaced | No |
| Snubber | Pacific Scientific | 10961 | N/A | 2RCS-PSSP883B | --- | Replacement | No |
| Snubber | Pacific Scientific | 17195 | N/A | 2RCS-PSSP884A | --- | Replaced | No |
| Snubber | Pacific Scientific | 17192 | N/A | 2RCS-PSSP884A | --- | Replacement | No |
| Snubber | Pacific Scientific | 30290 | N/A | 2RCS-PSSP885 | --- | Replaced | No |
| Snubber | Pacific Scientific | 30363 | N/A | 2RCS-PSSP885 | --- | 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 from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Beards, Snubber Program Owner Date April 26, 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 6/29/01 to 5/6/02, 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 Amoch
Inspector's Signature

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

Date May 6, 20 02

Form No. 1535

FORM NIS-2 OWNER'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 4/26/02
(NAME)

76 South Main Street - Akron, OH 44308 Sheet 1 of 3
(ADDRESS)

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

Shippingport, PA 15077 WO #01-008967-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

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

Expiration Date _____

4. Identification of System Reactor Coolant (Q4 but within first anchor)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 18476 | N/A | 2RCS-PSSP009A | --- | Replaced | No |
| Snubber | Pacific Scientific | 29440 | N/A | 2RCS-PSSP009A | --- | Replacement | No |
| Snubber | Pacific Scientific | 8092 | N/A | 2RCS-PSSP015X | --- | Replaced | No |
| Snubber | Pacific Scientific | 16839 | N/A | 2RCS-PSSP015X | --- | Replacement | No |
| Snubber | Pacific Scientific | 29440 | N/A | 2RCS-PSSP026B | --- | Replaced | No |
| Snubber | Pacific Scientific | 30297 | N/A | 2RCS-PSSP026B | --- | Replacement | No |
| Snubber | Pacific Scientific | 15878 | N/A | 2RCS-PSSP029X | --- | Replaced | No |
| Snubber | Pacific Scientific | 30276 | N/A | 2RCS-PSSP029X | --- | Replacement | No |
| Snubber | Pacific Scientific | 30287 | N/A | 2RCS-PSSP890 | --- | Replaced | No |
| Snubber | Pacific Scientific | 30275 | N/A | 2RCS-PSSP890 | --- | 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 from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snubber Program Owner Date April 26, 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 6/29/01 to 5/6/02, 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

NB 7509 (N, I) PA 2/62
National Board, State, Province, and Endorsements

Date May 6, 20 02

FORM NIS-2 OWNER'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 4/26/02
(NAME)
- 76 South Main Street - Akron, OH 44308 Sheet 2 of 3
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
- Shippingport, PA 15077 WO #01-008967-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Construction Type Code Symbol Stamp Not Applicable
(NAME)
- Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Reactor Coolant (Q4 but within first anchor)
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E
6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 30363 | N/A | 2RCS-PSSP891B | --- | Replaced | No |
| Snubber | Pacific Scientific | 18481 | N/A | 2RCS-PSSP891B | --- | Replacement | No |
| Snubber | Pacific Scientific | 17214 | N/A | 2RCS-PSSP892A | --- | Replaced | No |
| Snubber | Pacific Scientific | 3691 | N/A | 2RCS-PSSP892A | --- | Replacement | No |
| Snubber | Pacific Scientific | 30295 | N/A | 2RCS-PSSP893 | --- | Replaced | No |
| Snubber | Pacific Scientific | 30284 | N/A | 2RCS-PSSP893 | --- | Replacement | No |
| Snubber | Pacific Scientific | 30296 | N/A | 2RCS-PSSP896 | --- | Replaced | No |
| Snubber | Pacific Scientific | 6267 | N/A | 2RCS-PSSP896 | --- | Replacement | No |
| Snubber | Pacific Scientific | 30288 | N/A | 2RCS-PSSP897 | --- | Replaced | No |
| Snubber | Pacific Scientific | 30283 | N/A | 2RCS-PSSP897 | --- | Replacement | No |

Robert Cernoch 5/6/02
NB 7509 (N, I) PA 2062

Form No. 1535

FORM NIS-2 OWNER'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 4/26/02
(NAME)

76 South Main Street - Akron, OH 44308 Sheet 3 of 3
(ADDRESS)

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

Shippingport, PA 15077 WO #01-008967-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

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

Expiration Date "

4. Identification of System Reactor Coolant (Q1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 11071 | N/A | 2RCS-PSSP007X | --- | Replaced | No |
| Snubber | Pacific Scientific | 3690 | N/A | 2RCS-PSSP007X | --- | Replacement | No |
| Snubber | Pacific Scientific | 15527 | N/A | 2RCS-PSSP023X | --- | Replaced | No |
| Snubber | Pacific Scientific | 30299 | N/A | 2RCS-PSSP023X | --- | Replacement | No |
| Snubber | Pacific Scientific | 16263 | N/A | 2RCS-PSSP898 | --- | Replaced | No |
| Snubber | Pacific Scientific | 29985 | N/A | 2RCS-PSSP898 | --- | Replacement | No |

Robert Cernoch 5/6/02
NB 7509 (N,I) PA 2162

Form No. 1536

FORM NIS-2 OWNER'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 4/26/02
(NAME)

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

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

Shippingport, PA 15077 WO #01-008973-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

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

Expiration Date "

4. Identification of System Chemical and Volume Control (Q2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 24113 | N/A | 2CHS-PSSP308A | --- | Replaced | No |
| Snubber | Pacific Scientific | 24108 | N/A | 2CHS-PSSP308A | --- | Replacement | No |
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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 snubber was replaced with a used spare from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks Snubber Program Owner Date April 26, 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 6/29/01 to 5/6/02, 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 Amoch Commissions NB7509 (N.I.) PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 6, 20 02

Form No. 1537

FORM NIS-2 OWNER'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 4/26/02
(NAME)

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

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

Shippingport, PA 15077 WO #01-008984-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

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

Expiration Date "

4. Identification of System Steam Generator Blowdown (Q2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 25266 | N/A | 2BDG-PSSP927 | --- | Replaced | No |
| Snubber | Pacific Scientific | 25709 | N/A | 2BDG-PSSP927 | --- | Replacement | No |
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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 snubber was replaced with a used spare from stock. No Code Data Reports are
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snubber Program Owner Date April 26, 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 6/29/01 to 5/6/02, 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 No. 1538

FORM NIS-2 OWNER'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 4/26/02
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO #01-008986-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Component Cooling (Q3)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 3701 | N/A | 2CCP-PSSP301 | --- | Replaced | No |
| Snubber | Pacific Scientific | 16968 | N/A | 2CCP-PSSP301 | --- | Replacement | No |
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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 snubber was replaced with a used spare from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brodne, Snubber Program Owner Date April 26, 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 6/29/01 to 5/6/02 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 6, 20 02

Form No. 1539

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

1. Owner F.E.N.O.C.
(NAME)

Date 4/26/02

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

Sheet 1 of 1

2. Plant Beaver Valley Power Station
(NAME)

Unit No. 2

Shippingport, PA 15077
(ADDRESS)

WO #01-008989-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Nuclear Construction.
(NAME)

Type Code Symbol Stamp Not Applicable

Shippingport, PA 15077
(ADDRESS)

Authorization No. N/A

Expiration Date "

4. Identification of System Emergency Diesel Generator (Q3)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 30029 | N/A | 2EDG-PSSP029B | --- | Replaced | No |
| Snubber | Pacific Scientific | 18652 | N/A | 2EDG-PSSP029B | --- | Replacement | No |
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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 snubber was replaced with a used spare from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snubber Program Owner Date April 26, 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 6/29/01 to 5/6/02, 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 NB7589(N,I)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 6, 20 02

Form No. 1540

FORM NIS-2 OWNER'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 4/26/02

Sheet 1 of 1

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

Unit No. 2

WO #01-008998-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date "

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 16923 | N/A | 2SIS-PSSP014A | --- | Replaced | No |
| Snubber | Pacific Scientific | 25708 | N/A | 2SIS-PSSP014A | --- | Replacement | No |
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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 snubber was replaced with a used spare from stock. No Code Data Reports are
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snubber Program Owner Date April 26, 20 02
Owner of Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 6/29/01 to 5/6/02, 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 NB 7509 (N.I.) PA 2162
National Board, State, Province, and Endorsements

Date May 6, 20 02

Form No. 1541

FORM NIS-2 OWNER'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 4/26/02
(NAME)

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

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

Shippingport, PA 15077 WO #01-009001-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

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

Expiration Date "

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 24933 | N/A | 2SIS-PSSP450X | --- | Replaced | No |
| Snubber | Pacific Scientific | 25313 | N/A | 2SIS-PSSP450X | --- | Replacement | No |
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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 snubber was replaced with a used spare from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Basoha, Snubber Program Owner Date April 26, 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 6/29/01 to 5/6/02, 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 NB 7589(N,I) PA 2162
National Board, State, Province, and Endorsements

Date May 6, 20 02

Form No. 1542

FORM NIS-2 OWNER'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 4/26/02

Sheet 1 of 1

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

Unit No. 2

WO #01-009003-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

Type Code Symbol Stamp Not Applicable

Authorization No. N/A

Expiration Date _____

4. Identification of System Safety Injection (Q2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 28044 | N/A | 2SIS-PSSP358Y | --- | Replaced | No |
| Snubber | Pacific Scientific | 30039 | N/A | 2SIS-PSSP358Y | --- | Replacement | No |
| Snubber | Pacific Scientific | 24108 | N/A | 2SIS-PSSP366Y | --- | Replaced | No |
| Snubber | Pacific Scientific | 24114 | N/A | 2SIS-PSSP366Y | --- | Replacement | No |
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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 from stock. No Code Data Reports are available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snubber Program Owner Date April 26, 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 6/29/01 to 5/6/02, 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 Cemoch Commissions NB7509(N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 6, 20 02

Form No. 1543

FORM NIS-2 OWNER'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 4/26/02
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO #01-009011-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Safety Injection (208X is Q1. All others are Q2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 25727 | N/A | 2SIS-PSSP006A | --- | Replaced | No |
| Snubber | Pacific Scientific | 23481 | N/A | 2SIS-PSSP006A | --- | Replacement | No |
| Snubber | Pacific Scientific | 25736 | N/A | 2SIS-PSSP006B | --- | Replaced | No |
| Snubber | Pacific Scientific | 24333 | N/A | 2SIS-PSSP006B | --- | Replacement | No |
| Snubber | Pacific Scientific | 24941 | N/A | 2SIS-PSSP208X | --- | Replaced | No |
| Snubber | Pacific Scientific | 24340 | N/A | 2SIS-PSSP208X | --- | Replacement | No |
| Snubber | Pacific Scientific | 15876 | N/A | 2SIS-PSSP451X | --- | Replaced | No |
| Snubber | Pacific Scientific | 18654 | N/A | 2SIS-PSSP451X | --- | Replacement | No |
| Snubber | Pacific Scientific | 17159 | N/A | 2SIS-PSSP492 | --- | Replaced | No |
| Snubber | Pacific Scientific | 16959 | N/A | 2SIS-PSSP492 | --- | 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 from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Beards Snubber Program Owner Date April 26, 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 6/29/01 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 Commissions NB7509(NI)PA2162
Inspector's Signature National Board, State, Province, and Endorsements

Date May 6, 20 02

FORM NIS-2 OWNER'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 4/26/02
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO #01-009012-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Main Steam (Q3 for 476 and Q4 for 110 and 165)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 17000 | N/A | 2MSS-PSSP110 | --- | Replaced | No |
| Snubber | Pacific Scientific | 17159 | N/A | 2MSS-PSSP110 | --- | Replacement | No |
| Snubber | Pacific Scientific | 651 | N/A | 2MSS-PSSP165 | --- | Replaced | No |
| Snubber | Pacific Scientific | 1173 | N/A | 2MSS-PSSP165 | --- | Replacement | No |
| Snubber | Pacific Scientific | 24935 | N/A | 2MSS-PSSP476 | --- | Replaced | No |
| Snubber | Pacific Scientific | 25729 | N/A | 2MSS-PSSP476 | --- | Replacement | No |
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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 from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Deane Snubber Program Director Date April 26, 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 6/29/01 to 5/6/02 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 6, 20 02

Form No. 1545

FORM NIS-2 OWNER'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 4/26/02
(NAME)
76 South Main Street - Akron, OH 44308 Sheet 1 of 1
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO #01-009014-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

4. Identification of System Containment Depressurization (Q2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 16959 | N/A | 2QSS-PSSP129Y | --- | Replaced | No |
| Snubber | Pacific Scientific | 17000 | N/A | 2QSS-PSSP129Y | --- | Replacement | No |
| Snubber | Pacific Scientific | 30040 | N/A | 2QSS-PSSP131Y | --- | Replaced | No |
| Snubber | Pacific Scientific | 29989 | N/A | 2QSS-PSSP131Y | --- | Replacement | No |
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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 from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brosha, Snubber Program Owner Date April 26, 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 6/29/02 to 5/6/02, 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 Conroy Commissions (N,I) NB7509 (PA 2162)
Inspector's Signature National Board, State, Province, and Endorsements

Date May 6, 20 02

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

1. Owner F.E.N.O.C.
(NAME)

Date 4/26/02

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

Sheet 1 of 1

2. Plant Beaver Valley Power Station
(NAME)

Unit No. 2

Shippingport, PA 15077
(ADDRESS)

WO #01-009015-000
REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

3. Work Performed By BVPS - Nuclear Construction.
(NAME)

Type Code Symbol Stamp Not Applicable

Shippingport, PA 15077
(ADDRESS)

Authorization No. N/A

Expiration Date "

4. Identification of System Containment Depressurization (Q2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 28143 | N/A | 2QSS-PSSP154X | --- | Replaced | No |
| Snubber | Pacific Scientific | 18658 | N/A | 2QSS-PSSP154X | --- | Replacement | No |
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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 snubber was replaced with a used spare from stock. No Code Data Reports are
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brodeur, Snubber Program Owner Date April 26, 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 5/29/01 to 5/16/02, 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 Amoch
Inspector's Signature

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

Date May 6, 20 02

Form No. 1547

**FORM NIS-2 OWNER'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 4/26/02
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 1
(ADDRESS)
2. Plant Beaver Valley Power Station Unit No. 2
(NAME)
Shippingport, PA 15077 WO #01-009016-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By BVPS - Nuclear Construction. Type Code Symbol Stamp Not Applicable
(NAME)
Shippingport, PA 15077 Authorization No. N/A
(ADDRESS) Expiration Date "
4. Identification of System Residual Heat Removal (Q1 for 522X and Q2 for 007)
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E
6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 18488 | N/A | 2RHS-PSSP007 | --- | Replaced | No |
| Snubber | Pacific Scientific | 15876 | N/A | 2RHS-PSSP007 | --- | Replacement | No |
| Snubber | Pacific Scientific | 17005 | N/A | 2RHS-PSSP522X | --- | Replaced | No |
| Snubber | Pacific Scientific | 3686 | N/A | 2RHS-PSSP522X | --- | Replacement | No |
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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 from stock. No Code Data Reports are
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooker, Snubber Program Owner Date April 26, 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 6/29/01 to 5/6/02, 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) PA 2162
National Board, State, Province, and Endorsements

Date May 6, 20 02

Form No. 1548

FORM NIS-2 OWNER'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 4/26/02
(NAME)

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

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

Shippingport, PA 15077 WO #01-009020-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

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

Expiration Date "

4. Identification of System Service Water (Q3)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 16968 | N/A | 2SWS-PSSP769A | --- | Replaced | No |
| Snubber | Pacific Scientific | 11071 | N/A | 2SWS-PSSP769A | --- | Replacement | No |
| Snubber | Pacific Scientific | 30035 | N/A | 2SWS-PSSP770A | --- | Replaced | No |
| Snubber | Pacific Scientific | 16261 | N/A | 2SWS-PSSP770A | --- | Replacement | No |
| Snubber | Pacific Scientific | 30038 | N/A | 2SWS-PSSP774Y | --- | Replaced | No |
| Snubber | Pacific Scientific | 30032 | N/A | 2SWS-PSSP774Y | --- | 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 from stock. No Code Data Reports are available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snubber Program Owner Date April 26, 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 8/29/01 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 6, 20 02

Form No. 1549

FORM NIS-2 OWNER'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 4/26/02
(NAME)

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

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

Shippingport, PA 15077 WO #01-009021-000
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.

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

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

Expiration Date "

4. Identification of System Service Water (Q3)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components:

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, Or Replacement | ASME Code Stamped (YES or NO) |
|-------------------|----------------------|-------------------------|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| Snubber | Pacific Scientific | 16995 | N/A | 2SWS-PSSP752 | --- | Replaced | No |
| Snubber | Pacific Scientific | 17210 | N/A | 2SWS-PSSP752 | --- | Replacement | No |
| Snubber | Pacific Scientific | 29448 | N/A | 2SWS-PSSP766A | --- | Replaced | No |
| Snubber | Pacific Scientific | 30290 | N/A | 2SWS-PSSP766A | --- | Replacement | No |
| Snubber | Pacific Scientific | 29449 | N/A | 2SWS-PSSP768Y | --- | Replaced | No |
| Snubber | Pacific Scientific | 18476 | N/A | 2SWS-PSSP768Y | --- | Replacement | No |
| Snubber | Pacific Scientific | 30034 | N/A | 2SWS-PSSP830Y | --- | Replaced | No |
| Snubber | Pacific Scientific | 18488 | N/A | 2SWS-PSSP830Y | --- | 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 from stock. No Code Data Reports are,
available. Snubbers are considered non-NF components (non-code).

CERTIFICATE OF COMPLIANCE

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

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

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

Signed Robert Brooks, Snubber Program Owner Date April 26, 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 6/29/01 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) PA 2102
National Board, State, Province, and Endorsements

Date May 6, 20 02