

**Paul A. Harden**  
Site Vice President724-682-5234  
Fax: 724-643-8069February 22, 2010  
L-10-020ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001SUBJECT:  
Beaver Valley Power Station, Unit No. 2  
Docket No. 50-412, License No. NPF-73  
Fourteenth Refueling Outage Inservice Inspection Report

Enclosed please find the Inservice Inspection (ISI) Summary Report on American Society of Mechanical Engineers (ASME) Class 1, 2, 3, and IWE examinations performed prior to and during the fourteenth refueling outage at Beaver Valley Power Station Unit No. 2 (BVPS-2). The ASME Boiler and Pressure Vessel Code, Section XI, Article IWA-6240 requires an inservice inspection summary report to be submitted to the enforcement and regulatory authorities having jurisdiction at the plant site within ninety calendar days of the completion of each refueling outage. The recent inservice inspection term at BVPS-2 covered the period from August 29, 2008 to November 27, 2009.

The Class 1, 2, 3, and IWE examinations are part of Interval 3, Period 1 of the BVPS-2 ISI schedule, and were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 2001 Edition, 2003 Addenda.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Thomas A. Lentz, Manager – Fleet Licensing, at 330-761-6071.

Sincerely,



Paul A. Harden

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NRR

Beaver Valley Power Station, Unit No. 2  
L-10-020  
Page 2

Enclosure:

FirstEnergy Nuclear Operating Company Beaver Valley Power Station, Unit No. 2,  
Fourteenth Refueling Outage Inservice Inspection Report

cc: NRC Region I Administrator  
NRC Resident Inspector  
NRR Project Manager  
Director BRP/DEP  
Site BRP/DEP Representative

FirstEnergy Nuclear Operating Company  
Beaver Valley Power Station, Unit No. 2  
Fourteenth Refueling Outage Inservice Inspection Report

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

**Inservice Inspection Summary Report**

Outage 14, Year 2009

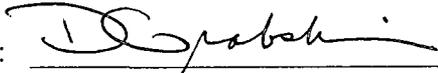
Inspection Term: 8/29/2008 to 11/27/2009

Issue date: 2-2-10

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: 2/2/10

Reviewed by:   
Supervisor, Nuclear Programs

Date: 2/2/10

Reviewed by:   
ANII

Date: 2-2-10

Approved by:   
Manager, Technical Services Engineering

Date: 2-2-10

90-DAY REPORT  
TABLE OF CONTENTS

<u>Item</u>	<u>Page Number</u>
Cover Page	1
Table of Contents	2
Form NIS-1	3 - 4
Outage Summary	5
ASME XI Vessel, Piping and Support Examinations	
1. Class 1	5
2. Class 2	5
3. Class 3	6
IWE Examination	6
Pressure Testing	7
Deficiency Resolution	7
Steam Generator Tube Examination	7
NIS-2 Forms	7
Appendix I - Completed Code Examinations	10 pages
Appendix II - Repair/Replacement Abstract and NIS-2 Forms	225 pages

**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) N/A

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 Coolant Piping	Southwest Fabricating	N/A	N/A	N/A
Auxiliary Piping	Schneider Power	N/A	N/A	N/A
2RCS-REV21	Combustion Engineering	CE-9071	160591B	21669
2RCS-SG21A	Westinghouse Electric Corp	DMGT-1961	485066V	W-16599
2RCS-PRE21	Westinghouse Electric Corp	1911	485064V	W18695
2RHS-E21A	Atlas Industrial	3483	485068V	2853
2RHS-E21B	Atlas Industrial	3484	485069V	2854
2RHS-P21A	Ingersoll-Dresser	1274-26	N/A	N/A
2SIS-P21A	Goulds Pumps Inc	N235B034	N/A	N/A

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

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

FORM NIS-1 (Back)

- 8. Examination Dates 8/29/2008 to 11/27/2009
- 9. Inspection Period Identification: 8/29/2008 to 12/29/2011
- 10. Inspection Interval Identification: 8/29/2008 to 8/28/2018
- 11. Applicable Edition of Section XI 2001 Addenda 2003
- 12. Date/Revision of Inspection Plan: 1/2-ADM-2039, Revision 10
- 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 examinations performed during Cycle 14 and Refueling Outage 2R14. 2R14 was the first outage in the 1<sup>st</sup> Period of the 3<sup>rd</sup> Ten-Year Interval. Nine examinations were limited in that 90% of the required coverage was not obtained. These examinations will be identified in relief requests for submittal to the NRC.**
- 14. Abstract of Results of Examination and Tests. **See text of summary report.**
- 15. Abstract of Corrective Measures. **Corrective measures resulting from NDE ISI examinations were necessary in 2R14. See Deficiency Resolution section (page 7). Visual examinations of bolted connections that found evidence of boric acid leakage resulted in boric acid cleaning and re-examination.**

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) N/A Expiration Date N/A  
 Date 2/2/10 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 HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8/29/2008 to 11/27/2009 and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

[Signature]  
 Inspector's Signature

Commissions NB 9428 ANIB, PA 2384  
 National Board, State, Province and Endorsements

Date 2-2-10

## OUTAGE SUMMARY

During the Fourteenth Refueling Outage (2R14) at the Beaver Valley Power Station, Unit No. 2 (BVPS-2), Inservice Inspection (ISI) examinations were performed on Class 1, 2, 3 and IWE components. This was the first outage in the first period of the 3<sup>rd</sup> Ten-Year Interval. Also included in this report and the counts below, are examinations performed prior to 2R14 during plant operation. The Class 1, 2, 3 and IWE examinations were based on ASME Section XI, 2001 Edition, 2003 Addenda.

### ASME XI Class 1, 2, 3 and IWE Credited Examinations (See Appendix I)

1. One-Hundred and thirty-two (132) Class 1 exams were performed and are divided as follows:

a. MRP UT Exams	-	11
b. Pressurizer		
SWOL UT Exams	-	12
Nozzle UT Exams	-	2
Nozzle IR Section UT Exams	-	2
c. Code Case N-722 Bare Metal Exams		
RV Hot Leg Nozzle (VE)	-	3
RV BMI (VE)	-	1
RV BMI All Tube Welds (VE)	-	1
d. Code Case N-729-1 Exams		
RV Head All Penetrations (UT)	-	1
RV Head Repaired Penetrations (PT)	-	6
RV Head Surface (VE)	-	1
e. Steam Generator Exams		
Nozzle IR sections (VT-1)	-	2
f. Bolting		
UT Exams (RV studs)	-	19
Visual Exams	-	18
g. Piping Weld UT Exams	-	14
h. Piping Supports		
Visual Exams (VT-3)	-	33
i. RI-ISI piping VT-2 exams	-	6

2. One-hundred and forty-six (146) Class 2 exams were performed and are divided as follows:

a. Vessel Welds		
UT Exams	-	2
VT-2 Exams	-	2
b. Pipe Welds		
Ultrasonic Exams	-	22
c. Welded Attachments		
Penetrant Exams	-	12
d. Bolted Connection (VT-2)	-	14
e. Piping Supports		
Visual Exams (VT-3)	-	50
f. RI-ISI piping VT-2 exams	-	44

3. Forty-nine (49) Class 3 exams were performed and are divided as follows:
  - a. Supports (VT-3) - 35
  - b. Welded Attachments (VT-1) - 14
4. IWE Examinations (Visual) - 5

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.

### **Pressurizer Structural Weld Overlay (SWOL) Re-Examinations**

The six pressurizer nozzle welds where SWOL was applied in 2R12, were re-examined as required during 2R14. All examinations were acceptable.

### **Code Cases N-722 and N-729-1 Examinations**

The examinations required by 10CFR50.55a associated with Code Cases N-722 and N-729-1 were completed during 2R14. These examinations included the Reactor Vessel Bottom Mounted Instrumentation (BMI) Nozzles and instrumentation welds per N-722. Volumetric examination was performed on the RV Head penetrations, a bare metal visual exam was completed on the RV Head outside diameter surface, and penetrant examinations were performed on the inside diameter surface of the RV Head for all previously repaired penetrations in accordance with N-729-1.

### **MRP Examinations**

MRP-146 was issued in June 2005, requiring that utilities perform an assessment of reactor coolant system normally-stagnant branch lines for the effects of thermal fatigue. MRP-146 was issued with "Needed" requirements, with some implementation; specifically a calculation stating which lines are susceptible to thermal fatigue cracking. Eleven BV2 areas were identified for UT examination in 2R14. All examinations were acceptable (no indications reported).

### **IWE Examinations**

As a result of the through-wall hole reported during the BV1 1R19 IWE visual examination, an additional general visual examination was performed on the BV2 containment liner during 2R14. No indications were reported that impacted the structural or leak tight integrity of the liner. The next scheduled IWE exam at BV2 is 2R15. Included in the 2R14 IWE examinations were the moisture barrier, electrical penetration bolting, equipment hatch bolting and the fuel canal blind flange bolting.

## **Pressure Testing**

The Class 1 piping System Leakage Test was performed prior to plant start-up. All Class 1 and 2 bolted connections subject to the examination requirements of IWA-5242, "Insulated Components" were examined during 2R14. 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.

## **Deficiency Resolution**

There were eight examinations that required corrective actions during 2R14 as a result of ISI examinations. They were:

2CCP-E21A-WS-2	Loose nut	Nut was retightened to snug tight per Engineering.
2RCS-PSSH077X	Loose nut	Nut was retightened to specific torque requirement.
2RHS-E-21A-A-1	PT Unsat indications	Weld repairs were required.
2RHS-E-21A-A-2	PT Unsat indications	Weld repairs were required.
2RHS-E-21B-A-1	PT Unsat indications	Weld repairs were required.
2RHS-E-21B-A-2	PT Unsat indications	Weld repairs were required.
2RCS-REV21	Penetration 49 cracking	Weld overlays were required.
2RCS-REV21	Penetration 57 cracking	Weld overlays were required.

## **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 ASME XI repairs and replacements.

APPENDIX I  
2R14 COMPELETED CODE EXAMS

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, OH 44308  
Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
015600	2CHS-PSST732X	SUPPORT	1	F-A	F1.10T	VT-3
019300	2CHS-PSR657X	SUPPORT	1	F-A	F1.10R	VT-3
033500	107425-MJ-04-B-1 TO 4	PIPE BOLTING STUD BOLTS	1	B-G-2	B7.50	VT-1
039800	2CHS-PSA616	SUPPORT	1	F-A	F1.10A	VT-3
039900	2CHS-PSR615	SUPPORT	1	F-A	F1.10R	VT-3
040500	2CHS-PSR620	SUPPORT	1	F-A	F1.10R	VT-3
043000	2CHS-PSR075X	SUPPORT	1	F-A	F1.10R	VT-3
043600	2CHS-PSST077	SUPPORT	1	F-A	F1.10T	VT-3
046900	2CHS-PSA611	SUPPORT	1	F-A	F1.10A	VT-3
080350	2RCS-002-25-1	LOOP A MANUAL DRAIN LINE	1	MRP	146	UT
082200	2RCS-PSST908	SUPPORT	1	F-A	F1.10T	VT-3
082800	2RCS-PSR071X	SUPPORT	1	F-A	F1.10R	VT-3
085100	2RCS-PSR037	SUPPORT	1	F-A	F1.10R	VT-3
085350	2RCS-002-168-1	LOOP A DRAIN LINE	1	MRP	146	UT
087300	2RCS-PSSH076X	SUPPORT	1	F-A	F1.10S	VT-3
089600	2RCS-PSSH077X	SUPPORT	1	F-A	F1.10S	VT-3
104450	2RCS-002-47-1	LOOP B DRAIN LINE	1	MRP	146	UT
106350	RCS-018	RI-ISI SEGMENT	1	R-A	R1.12	VT-2
109150	2RCS-002-45-1	LOOP B MANUAL DRAIN LINE	1	MRP	146	UT
110000	2RCS-PSSH085X	SUPPORT	1	F-A	F1.10S	VT-3
112100	2RCS-PSSH086X	SUPPORT	1	F-A	F1.10S	VT-3
125550	2RCS-002-65-1	LOOP C MANUAL DRAIN LINE	1	MRP	146	UT
131350	2RCS-002-67-1	LOOP C DRAIN LINE	1	MRP	146	UT
131950	RCS-089	RI-ISI SEGMENT	1	R-A	R1.12	VT-2
133700	107015-MJ-01-B-1 TO 8	2RCS-FE482 STUD BOLTS	1	B-G-2	B7.50	VT-1
134700	2RCS-PSSH027X	SUPPORT	1	F-A	F1.10S	VT-3
135600	2RCS-003-F01	PIPE WELD (LIMITED)	1	R-A	R1.11	UT
136000	2RCS-003-F02	PIPE WELD (LIMITED)	1	R-A	R1.11	UT
141300	2RCS-001-F03	PIPE WELD (LIMITED)	1	R-A	R1.11	UT
141600	2RCS-001-F04	NOZZLE TO SAFE-END (LIMITED)	1	R-A	R1.11	UT
144500	2RCS-002-F03	PIPE WELD	1	R-A	R1.11	UT
148700	2RCS-084-F03	PIPE WELD	1	R-A	R1.11	UT
149000	2RCS-PSSH001X	SUPPORT	1	F-A	F1.10S	VT-3
150000	2RCS-021-F503	PIPE WELD	1	R-A	R1.11	UT
151000	2RCS-020-2B-2	PIPE WELD	1	R-A	R1.11	UT

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FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, OH 44308  
Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
159250	RCS-086	RI-ISI SEGMENT	1	R-A	R1.12	VT-2
162400	2RCS-080-F503	PIPE WELD	1	R-A	R1.11	UT
164900	2RCS-PSSH001	SUPPORT	1	F-A	F1.10S	VT-3
168300	2RCS-081-F503	PIPE WELD	1	R-A	R1.11	UT
168400	2RCS-PSST013A	SUPPORT	1	F-A	F1.10T	VT-3
170100	2RCS-PSST015	SUPPORT	1	F-A	F1.10T	VT-3
172800	2RCS-202-F01	PIPE WELD	1	R-A	R1.11	UT
172900	2RCS-107-F01	PIPE WELD	1	R-A	R1.11	UT
178800	2RCS-101-F01	PIPE WELD	1	R-A	R1.11	UT
181700	2RCS-103-F01	PIPE WELD	1	R-A	R1.11	UT
184600	2RCS-102-F01	PIPE WELD	1	R-A	R1.11	UT
187600	2RCS*PRE21-101A	NOZZLE-TO-SAFE-END	1	R-A	R1.11	UT
187700	2RCS*PRE21-102B	NOZZLE-TO-SAFE-END	1	R-A	R1.11	UT
187800	2RCS*PRE21-103C	NOZZLE-TO-SAFE-END	1	R-A	R1.11	UT
187900	2RCS*PRE21-107Z	NOZZLE-TO-SAFE-END	1	R-A	R1.11	UT
188000	2RCS*PRE21-202Z	NOZZLE-TO-SAFE-END	1	R-A	R1.11	UT
188100	2RCS*PRE21-84Z	NOZZLE-TO-SAFE-END	1	R-A	R1.11	UT
191400	2RCS*PRE21-N-13	NOZZLE-TO-VESSEL WELD (LIMITED)	1	B-D	B03.110	UT
191500	2RCS*PRE21-N-13IR	NOZZLE INSIDE RADIUS	1	B-D	B3.120	UT
191600	2RCS*PRE21-N-14	NOZZLE-TO-VESSEL WELD (LIMITED)	1	B-D	B03.110	UT
191700	2RCS*PRE21-N-14IR	NOZZLE INSIDE RADIUS	1	B-D	B3.120	UT
191800	2RCS*PRE21-SS-1	SKIRT SUPPORT	1	F-A	F1.40E	VT-3
191900	2RCS*PRE21-SS-2	STRUCTURAL SUPPORT	1	F-A	F1.40E	VT-3
200003	BC-2CHS-E24	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200004	BC-2CHS-HCV137	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200006	BC-110312-MJ-1	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200007	BC-110312-MJ-2	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200029	BC-2RHS-HCV758A-MJ-1	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200034	BC-2RHS-HCV758B-MJ-1	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200037	BC-2RHS-FE607B-MJ-2	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200038	BC-2RHS-FCV605B-MJ-1	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200039	BC-2RHS-FCV605A-MJ-1	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200040	BC-2RHS-MOV750A	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200041	BC-2RHS-MOV750B	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200042	BC-2RHS-E21A	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2

APPENDIX I  
2R14 COMPLETED CODE EXAMS

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, OH 44308  
Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
200043	BC-2RHS-E21B	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200044	BC-2RCS-FE480-MJ-1	BOLTED CONNECTION	1	BoltCon	Bolt1	VT-2
200045	BC-2RCS-FE481-MJ-1	BOLTED CONNECTION	1	BoltCon	Bolt1	VT-2
200046	BC-2RCS-FE482-MJ-1	BOLTED CONNECTION	1	BoltCon	Bolt1	VT-2
200047	BC-2RCS-SG21A-MNWYS	BOLTED CONNECTION	1	BoltCon	Bolt1	VT-2
200048	BC-2RCS-SG21B-MNWYS	BOLTED CONNECTION	1	BoltCon	Bolt1	VT-2
200049	BC-2RCS-SG21C-MNWYS	BOLTED CONNECTION	1	BoltCon	Bolt1	VT-2
200088	BC-2RCS-REV21-Flg Bolts	BOLTED CONNECTION	1	BoltCon	Bolt1	VT-2
200089	BC-2RCS-PRE21-Manway	BOLTED CONNECTION	1	BoltCon	Bolt1	VT-2
200091	BC-2RHS-FE607A-MJ-2	BOLTED CONNECTION	2	BoltCon	Bolt2	VT-2
200092	PT-2-Leakage Package 2	Leakage during RHS "A" Train	2,3	Press	Test	VT-2
200093	PT-2-Leakage Package 3	Leakage during RHS "B" Train	2,3	Press	Test	VT-2
200094	PT-2-Leakage Package 4	DGS pumps discharge piping	2,3	Press	Test	VT-2
200095	PT-2-Leakage Package 5	Temporary Dike Drain using Das piping	2	Press	Test	VT-2
200098	PT-2-Leakage Package 8	Terry Turbine OST	3	Press	Test	VT-2
200099	PT-2-Leakage Package 9	2OST-11.14B High Head Full Flow	2	Press	Test	VT-2
200100	PT-2-Leakage Package 10A	2OST-30-13A	3	Press	Test	VT-2
200101	PT-2-Leakage Package 10B	2OST-30-13B	3	Press	Test	VT-2
200102	PT-2-Leakage Package 11	2OST-11.14A Low Head SI Full Flow	2	Press	Test	VT-2
200103	PT-2-Leakage Package 12A	Leakage during 2OST-2.43.15A	3	Press	Test	VT-2
200105	PT-2-Leakage Package 13	2OM-20.4H Cavity Drain	2	Press	Test	VT-2
200106	PT-2-Leakage Package 14	LETDOWN INSERVICE	2	Press	Test	VT-2
200107	PT-2-Leakage Package 15	RCS Fill and vent through 2CHS-FCV160	2	Press	Test	VT-2
200109	PT-2-Leakage Package 17	Leakage during 2OM-6.4E	2	Press	Test	VT-2
200110	PT-2-Leakage Package 18	Cavity Fill 2OM-11.4C	2	Press	Test	VT-2
200112	PT-2-Leakage Package 20	2BVT-13.5 2RSSP21A Pump run	2	Press	Test	VT-2
200113	PT-2-Leakage Package 21	2BVT-13.5 2RSSP21B Pump run	2	Press	Test	VT-2
200114	PT-2-Leakage Package 22	2BVT-13.5 2RSSP21C Pump run	2	Press	Test	VT-2
200115	PT-2-Leakage Package 23	2BVT-13.5 2RSSP21D Pump run	2	Press	Test	VT-2
200120	PT-2-Leakage Package 29	Mode 3 walkdown	123	Press	Test	VT-2
200122	PT-2-Leakage Package 31	CCP Inservice	3	Press	Test	VT-2
200124	PT-2-Leakage Package 33	FNC "A" Train Inservice	3	Press	Test	VT-2
200125	PT-2-Leakage Package 34	FNC "B" Train Inservice	3	Press	Test	VT-2
200126	PT-2-Leakage Package 35	Stroke 2FWE-1165	3	Press	Test	VT-2
200127	PT-2-Leakage Package 36	Static Head Pressure exam of 2FWE-TK210(DWST)	3	Press	Test	VT-2

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2R14 COMPELETED CODE EXAMS

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Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
200128	PT-2-Leakage Package 37	FWS INSERVICE	2	Press	Test	VT-2
200129	PT-2-Leakage Package 38	MSS INSERVICE	2	Press	Test	VT-2
200131	PT-2-Leakage Package 40	Leakage during 2OST-13.2	2	Press	Test	VT-2
200135	PT-2-Leakage Package 44	2OST-13.10B	2	Press	Test	VT-2
200137	PT-2-Leakage Package 46	Leakage during 2OST-11.2	2	Press	Test	VT-2
200138	PT-2-Leakage Package 47	Leakage during 2OST-30.1A or 1B	3	Press	Test	VT-2
200142	PT-2-Leakage Package 51A	Leakage during 2OST-36.1- (OUTAGE)	3	Press	Test	VT-2
206950	2REV-HEAD-OD	VESSEL HEAD OD SURFACE	1	N-729	B4.10	VE
206960	2REV-HEAD-PENE-ID	VESSEL HEAD PENETRATIONS	1	N-729	B4.20	UT/ET
206970	2REV-HEAD-PENE-16	PENE 16 REPAIR AREA	1	N-729	B4.20	PT
206971	2REV-HEAD-PENE-51	PENE 51 REPAIR AREA	1	N-729	B4.20	PT
206972	2REV-HEAD-PENE-56	PENE 56 REPAIR AREA	1	N-729	B4.20	PT
206973	2REV-HEAD-PENE-61	PENE 61 REPAIR AREA	1	N-729	B4.20	PT
206974	2REV-HEAD-PENE-49	PENE 49 REPAIR AREA	1	N-729	B4.20	PT
206975	2REV-HEAD-PENE-57	PENE 57 REPAIR AREA (RR# 2-TYP-3-RV-03)	1	N-729	B4.20	PT
218000	2RCS*REV21-N-24	NOZZLE-TO-SAFE-END WELD	1	R-A	R1.11	VE
218200	2RCS*REV21-N-26	NOZZLE-TO-SAFE-END WELD	1	R-A	R1.11	VE
218400	2RCS*REV21-N-28	NOZZLE-TO-SAFE-END WELD	1	R-A	R1.11	VE
218540	2RCS*REV21-NUT-1 TO 19	BOLTING	1	B-G-1	B6.10	VT-1
224340	2RCS*REV21-STUD-1 TO 19	BOLTING	1	B-G-1	B6.20	UT
230140	2RCS*REV21-WASHER-1 TO 19	BOLTING	1	B-G-1	B6.50	VT-1
235845	2REV-BMI-PENE-OD	RV Bottom Mounted Inst Nozzles	1	N-722	B15.80	VE
235850	2REV-BMI-TUBE-WELDS	BMI NOZZLE TO TUBE WELDS	1	N-722	B15.100	VE
235911	2RCS*SG21A-H-S01 TO S16	PRIMARY MANWAY STUD,NUT,WASHER	1	B-G-2	B7.30	VT-1
237511	2RCS*SG21A-C-S01 TO S16	PRIMARY MANWAY STUD,NUT,WASHER	1	B-G-2	B7.30	VT-1
239200	2RCS*SG21A-N-1AIR	NOZZLE INSIDE RADIUS	1	B-D	B3.140	VT-1
239300	2RCS*SG21A-N-1BIR	NOZZLE INSIDE RADIUS	1	B-D	B3.140	VT-1
247300	2RHS-001-5D	PIPE WELD	1	R-A	R1.11	UT
250400	2RHS-MOV701B-B-1 TO 18	2RHS-MOV701B STUDS AND NUTS	1	B-G-2	B7.70	VT-1
250600	2SIS-142-B-1 TO 18	2SIS-142 STUDS AND NUTS	1	B-G-2	B7.70	VT-1
255500	2SIS-148-B-1 TO 18	2SIS-148 STUDS AND NUTS	1	B-G-2	B7.70	VT-1
258500	2SIS-PRR804	SUPPORT	1	F-A	F1.10R	VT-3
259400	2SIS-289-1B	PIPE WELD	1	R-A	R1.11	UT
259800	2SIS-147-B-1 TO 18	2SIS-147 STUDS AND NUTS	1	B-G-2	B7.70	VT-1
266250	SIS-045B	RI-ISI SEGMENT	1	R-A	R1.12	VT-2

APPENDIX I  
2R14 COMPELETED CODE EXAMS

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, OH 44308  
Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
266650	SIS-044B	RI-ISI SEGMENT	1	R-A	R1.12	VT-2
269250	SIS-046B	RI-ISI SEGMENT	1	R-A	R1.12	VT-2
271000	2SIS-PSR494	SUPPORT	1	F-A	F1.10R	VT-3
272150	SIS-090B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
275250	SIS-085B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
277250	SIS-087B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
277500	2SIS-PSR292	SUPPORT	1	F-A	F1.10R	VT-3
278400	2SIS-PSR529	SUPPORT	1	F-A	F1.10R	VT-3
291950	2SIS-006-15-1	LOOP B C/L INJECTION	1	MRP	146	UT
295350	2SIS-006-24-1	LOOP B H/L INJECTION	1	MRP	146	UT
295800	2SIS-PSA080	SUPPORT	1	F-A	F1.10A	VT-3
296600	2SIS-PSSH081B	SUPPORT	1	F-A	F1.10S	VT-3
296800	2SIS-269-F06	PIPE WELD	1	R-A	R1.11	UT
296900	2SIS-PSR082	SUPPORT	1	F-A	F1.10R	VT-3
298650	2SIS-006-12-1	LOOP A C/L INJECTION	1	MRP	146	UT
298700	2SIS-012-1A	PIPE WELD	1	R-A	R1.11	UT
299500	2SIS-PSST085	SUPPORT	1	F-A	F1.10T	VT-3
300400	2SIS-PSSH087	SUPPORT	1	F-A	F1.10S	VT-3
301650	2SIS-006-26-1	LOOP A H/L INJECTION	1	MRP	146	UT
302100	2SIS-026-1D	PIPE WELD	1	R-A	R1.11	UT
303200	2SIS-PSSP209A	SNUBBER	1	F-A	F1.10N	VT-3
303300	2SIS-PSSP209B	SNUBBER	1	F-A	F1.10N	VT-3
307350	2SIS-006-25-1	LOOP C H/L INJECTION	1	MRP	146	UT
307660	2BDG-011-26-1	BUTT WELD	2	R-A	R1.11	UT
314050	2CHS-434-F02	SOCKET WELD	2	R-A	R1.12	VT-2
314800	2CHS-PSR261Y	SUPPORT	2	F-A	F1.20R	VT-3
315900	2CHS-PSR146	SUPPORT	2	F-A	F1.20R	VT-3
316400	2CHS-PSR225	SUPPORT	2	F-A	F1.20R	VT-3
317450	2CHS-433-F02	SOCKET WELD	2	R-A	R1.12	VT-2
318300	2CHS-PSR260Y	SUPPORT	2	F-A	F1.20R	VT-3
319700	2CHS-PSR147	SUPPORT	2	F-A	F1.20R	VT-3
320100	2CHS-PSA148	SUPPORT	2	F-A	F1.20A	VT-3
321300	2CHS-PSR258Y	SUPPORT	2	F-A	F1.20R	VT-3
322500	2CHS-PSR151	SUPPORT	2	F-A	F1.20R	VT-3
322900	2CHS-72 -5A1B	BUTT WELD	2	R-A	R1.11	UT

APPENDIX I  
2R14 COMPELETED CODE EXAMS

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, OH 44308  
Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
324650	2CHS-291-F403	SOCKET WELD	2	R-A	R1.12	VT-2
324670	CHS-028A	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
325800	2CHS-320-F404	SOCKET WELD	2	R-A	R1.12	VT-2
325850	CHS-026E	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
332270	CHS-028D	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
342500	2CHS-207-F02	SOCKET WELD	2	R-A	R1.12	VT-2
353800	2CHS-PSA290F	SUPPORT	2	F-A	F1.20A	VT-3
354700	2CHS-PSR299F	SUPPORT	2	F-A	F1.20R	VT-3
373850	2CHS-056-F13	SOCKET WELD	2	R-A	R1.12	VT-2
384300	2CHS-063-2-A	BUTT WELD	2	R-A	R1.11	UT
387800	2CHS-069-F518	BUTT WELD	2	R-A	R1.11	UT
389400	2CHS-278-F400	SOCKET WELD	2	R-A	R1.12	VT-2
389450	CHS-016C	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
389600	2CHS-278-F401	SOCKET WELD	2	R-A	R1.12	VT-2
393550	CHS-018C	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
393700	2CHS-275-F401	SOCKET WELD	2	R-A	R1.12	VT-2
397700	2CHS-272-F400	SOCKET WELD	2	R-A	R1.12	VT-2
397900	2CHS-272-F401	SOCKET WELD	2	R-A	R1.12	VT-2
402100	2CHS-PSR318	SUPPORT	2	F-A	F1.20R	VT-3
402200	2CHS-120-F514	WELDED ATTACHMENT FOR 2CHS-PSR318	2	C-C	C3.20	PT
402300	2CHS-120-F515	WELDED ATTACHMENT FOR 2CHS-PSR318	2	C-C	C3.20	PT
402400	2CHS-120-F516	WELDED ATTACHMENT FOR 2CHS-PSR318	2	C-C	C3.20	PT
402500	2CHS-120-F517	WELDED ATTACHMENT FOR 2CHS-PSR318	2	C-C	C3.20	PT
406400	2CHS-PSA327Y	SUPPORT	2	F-A	F1.20A	VT-3
410300	2CHS-PSR217R	SUPPORT	2	F-A	F1.20R	VT-3
434750	CHS-050A	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
447050	CHS-041	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
471650	2FWS-PSST185	SUPPORT	2	F-A	F1.20T	VT-3
471680	2FWS-022-F-801	WELDED ATTACHMENT FOR 2FWS-PSST185	2	C-C	C3.20	MT
471900	2FWS-PSSP006	SNUBBER	2	F-A	F1.20N	VT-3
472000	2FWS-PSSH007	SUPPORT	2	F-A	F1.20S	VT-3
474000	2MSS-PSST101B	SUPPORT	2	F-A	F1.20T	VT-3
474200	2MSS-037-F801	WELDED ATTACHMENT FOR 2MSS-PSST101B	2	C-C	C3.20	MT
483400	2MSS-PSST004	SUPPORT	2	F-A	F1.20T	VT-3
483600	2MSS-35 -6A	BUTT WELD	2	R-A	R1.11	UT

APPENDIX I  
2R14 COMPELETED CODE EXAMS

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, OH 44308  
Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
483700	2MSS-035-L05	LONGITUDINAL WELD	2	R-A	R1.11	UT
483900	2MSS-035-L06	LONGITUDINAL WELD	2	R-A	R1.11	UT
495750	MSS-056	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
495850	MSS-054	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
496050	MSS-055	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
500770	QSS-016	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
502950	2QSS-1 -5C	BUTT WELD (LIMITED)	2	R-A	R1.11	UT
505460	QSS-015	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
507460	QSS-020	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
507900	2QSS-PSSP138Y	SNUBBER	2	F-A	F1.20N	VT-3
510900	2QSS-PSST111Y	SUPPORT	2	F-A	F1.20T	VT-3
511015	QSS-019	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
511016	2QSS-PSR132Y	SUPPORT	2	F-A	F1.20R	VT-3
513060	2QSS-004-F535	BUTT WELD	2	R-A	R1.11	UT
524600	2QSS-PSR216X	SUPPORT	2	F-A	F1.20R	VT-3
527400	2RCS*SG21A-WS-1	TRUNNION WELD # 1WS	2	C-C	C3.10	MT
530500	2RCS*SG21C-ESUP-21	UPPER INTERMEDIATE SUPPORT STRUCTURE	2	F-A	F1.40E	VT-3
531300	2RHS-PSSH037A	SUPPORT	2	F-A	F1.20S	VT-3
531400	2RHS-PSSH037B	SUPPORT	2	F-A	F1.20S	VT-3
561300	2RHS-PSR510X	SUPPORT	2	F-A	F1.20R	VT-3
573200	2RHS*E21A-WS-1	FOOT SUPPORT # 1 (4 GUSSET PLATES)	2	F-A	F1.40E	VT-3
573300	2RHS*E21A-WS-2	FOOT SUPPORT # 2 (4 GUSSET PLATES)	2	F-A	F1.40E	VT-3
573400	2RHS*E21A-C-2	HEAD CIRCUMFERENTIAL WELD # 2	2	C-A	C1.20	UT
573500	2RHS*E21A-A-1	WELDED ATTACHMENT FOR WS-1	2	C-C	C3.10	PT
573600	2RHS*E21A-A-2	WELDED ATTACHMENT FOR WS-2	2	C-C	C3.10	PT
573700	2RHS*E21A-N-3	NOZZLE-TO-SHELL WELD # 3	2	C-B	C2.21	VT-2
573800	2RHS*E21A-N-4	NOZZLE-TO-SHELL WELD # 4	2	C-B	C2.21	VT-2
573900	2RHS*E21A-C-1	SHELL CIRCUMFERENTIAL WELD # 1	2	C-A	C1.10	UT
574300	2RHS*E21B-A-1	WELDED ATTACHMENT FOR WS-1	2	C-C	C3.10	PT
574400	2RHS*E21B-A-2	WELDED ATTACHMENT FOR WS-2	2	C-C	C3.10	PT
575400	2RHS*P21A-A-2	WELDED ATTCHMENT FOR WS-2	2	C-C	C3.30	PT
575600	2RHS*P21A-WS-1	PUMP SUPPORT	2	F-A	F1.40P	VT-3
575700	2RHS*P21A-WS-2	PUMP SUPPORT	2	F-A	F1.40P	VT-3
575710	2RHS*P21A-WS-3	PUMP SUPPORT	2	F-A	F1.40P	VT-3
586520	2RSS-017-F500	BUTT WELD	2	R-A	R1.11	UT

APPENDIX I  
2R14 COMPELETED CODE EXAMS

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, OH 44308  
Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
604400	2RSS-10 -4AC	BUTT WELD	2	R-A	R1.11	UT
636200	2SDS-PSR102R	SUPPORT	2	F-A	F1.20R	VT-3
640634	2SIS-2-3-A	BUTT WELD	2	R-A	R1.11	UT
640682	2SIS-PSR329Y	SUPPORT	2	F-A	F1.20R	VT-3
644000	2SIS-PSR351Y	SUPPORT	2	F-A	F1.20R	VT-3
649950	2SIS-005-F513	BRANCH CONNECTION	2	R-A	R1.12	VT-2
650000	2SIS-PSR318Y	SUPPORT	2	F-A	F1.20R	VT-3
653200	2SIS-PSST310X	SUPPORT	2	F-A	F1.20T	VT-3
653900	2SIS-10 -4AA	BUTT WELD	2	R-A	R1.11	UT
654000	2SIS-PSSH322X	SUPPORT	2	F-A	F1.20S	VT-3
658000	2SIS-048-1-A	BUTT WELD	2	R-A	R1.11	UT
661600	2SIS-PSR338Y	SUPPORT	2	F-A	F1.20R	VT-3
662900	2SIS-006-F-22	BUTT WELD	2	R-A	R1.11	UT
662950	SIS-037B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
670200	2SIS-PSST607	SUPPORT	2	F-A	F1.20T	VT-3
670800	2SIS-9 -6A	BUTT WELD	2	R-A	R1.11	UT
674350	SIS-065B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
676650	SIS-064B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
679400	2SIS-PSR030	SUPPORT	2	F-A	F1.20R	VT-3
679800	2SIS-091-F01	BUTT WELD (LIMITED)	2	R-A	R1.11	UT
679900	2SIS-091-F511	BUTT WELD (LIMITED)	2	R-A	R1.11	UT
680600	2SIS-PSR028Y	SUPPORT	2	F-A	F1.20R	VT-3
681370	SIS-062B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
705500	2SIS-PSR108	SUPPORT	2	F-A	F1.20R	VT-3
716100	2SIS-96 -1A	BUTT WELD	2	R-A	R1.11	UT
717070	SIS-060B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
727050	SIS-081A	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
727300	2SIS-PSA580X	SUPPORT	2	F-A	F1.20A	VT-3
728150	SIS-080A	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
730100	2SIS-PSA590	SUPPORT	2	F-A	F1.20A	VT-3
732250	SIS-079A	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
734250	SIS-057B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
749350	SIS-057A	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
750350	SIS-056A	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
751470	SIS-056B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2

APPENDIX I  
2R14 COMPELETED CODE EXAMS

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, OH 44308  
Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
773850	SIS-070B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
775350	SIS-072B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
787770	SIS-056C	RI-ISI SEGMENT	2	R-A	R1.12	VT-2
790800	2SIS-PSR321S	SUPPORT	2	F-A	F1.20R	VT-3
791400	2SIS-PSR273S	SUPPORT	2	F-A	F1.20R	VT-3
791500	2SIS-PSR282S	SUPPORT	2	F-A	F1.20R	VT-3
791900	2SIS*P21A-MS-1	STRUCT SUPTS, SKIDS, BOLTS, ETC.	2	F-A	F1.40P	VT-3
791950	2SIS*P21A-MS-2	STRUCT SUPTS, SKIDS, BOLTS, ETC.	2	F-A	F1.40P	VT-3
792070	2IAC-049-F502A	BUTT WELD	2	R-A	R1.11	UT
792200	2SVS-036-F501	BUTT WELD	2	R-A	R1.11	UT
802300	2SVS-12 -7C	BUTT WELD	2	R-A	R1.11	UT
806550	2SVS-PSST693	SUPPORT	2	F-A	F1.20T	VT-3
813600	2CCP-PSSH329	SUPPORT	3	F-A	F1.30S	VT-3
813700	2CCP-471-F-808	WELDED ATTACHMENT FOR 2CCP-PSSH329	3	D-A	D1.20	VT-1
813800	2CCP-471-F-809	WELDED ATTACHMENT FOR 2CCP-PSSH329	3	D-A	D1.20	VT-1
813900	2CCP-471-F-810	WELDED ATTACHMENT FOR 2CCP-PSSH329	3	D-A	D1.20	VT-1
814000	2CCP-471-F-811	WELDED ATTACHMENT FOR 2CCP-PSSH329	3	D-A	D1.20	VT-1
815000	2CCP-PSR070	SUPPORT	3	F-A	F1.30R	VT-3
815200	2CCP-PSA077	SUPPORT	3	F-A	F1.30A	VT-3
816900	2CCP-PSR099	SUPPORT	3	F-A	F1.30R	VT-3
817400	2CCP-PSR071	SUPPORT	3	F-A	F1.30R	VT-3
817700	2CCP-PSR101	SUPPORT	3	F-A	F1.30R	VT-3
821600	2CCP-PSA033	SUPPORT	3	F-A	F1.30A	VT-3
821700	2CCP-332-F-504	WELDED ATTACHMENT FOR 2CCP-PSA033	3	D-A	D1.20	VT-1
821800	2CCP-PSR041	SUPPORT	3	F-A	F1.30R	VT-3
832300	2CCP-PSST381B	SUPPORT	3	F-A	F1.30T	VT-3
832800	2CCP-PSR053	SUPPORT	3	F-A	F1.30R	VT-3
832900	2CCP-433-F-500	WELDED ATTACHMENT FOR 2CCP-PSR053	3	D-A	D1.20	VT-1
833000	2CCP-433-F-501	WELDED ATTACHMENT FOR 2CCP-PSR053	3	D-A	D1.20	VT-1
833100	2CCP-433-F-502	WELDED ATTACHMENT FOR 2CCP-PSR053	3	D-A	D1.20	VT-1
833200	2CCP-433-F-503	WELDED ATTACHMENT FOR 2CCP-PSR053	3	D-A	D1.20	VT-1
846500	2CCP-PSR302X	SUPPORT	3	F-A	F1.30R	VT-3
856200	2CCP*E21A-WS-1	FIXED SUPPORT	3	F-A	F1.40E	VT-3
856300	2CCP*E21A-WS-2	SLIDING SUPPORT	3	F-A	F1.40E	VT-3
856400	2CCP*E21A-A-1	WELDED PAD FOR WS-1	3	D-A	D1.10	VT-1

APPENDIX I  
2R14 COMPELETED CODE EXAMS

FirstEnergy Nuclear Operating Company, 76 South Main St., Akron, OH 44308  
Beaver Valley Power Station Unit 2, Route 168, Shippingport, PA 15077  
Commerical Service Date: 11/17/87

Summary No.	Component Identification	Description	Class	Category	Item	Method
856500	2CCP*E21A-A-2	WELDED PAD FOR WS-2	3	D-A	D1.10	VT-1
856600	2CCP*E21B-WS-1	FIXED SUPPORT	3	F-A	F1.40E	VT-3
856700	2CCP*E21B-WS-2	SLIDING SUPPORT	3	F-A	F1.40E	VT-3
857400	2CCP*TK21A-WS-1	SKIRT SUPPORT	3	F-A	F1.40E	VT-3
857500	2CCP*TK21A-A-1	WELDED ATTACHMENT FOR WS-1	3	D-A	D1.10	VT-1
860638	2FNC-PSST920	SUPPORT	3	F-A	F1.30T	VT-3
866600	2FWE-PSR043Y	SUPPORT	3	F-A	F1.30R	VT-3
872100	2FWE-PSR332X	SUPPORT	3	F-A	F1.30R	VT-3
872700	2FWE-PSA357X	SUPPORT	3	F-A	F1.30A	VT-3
874500	2FWE-PSR004R	SUPPORT	3	F-A	F1.30R	VT-3
877100	2MSS-PSR496	SUPPORT	3	F-A	F1.30R	VT-3
877300	2MSS-PSSP476	SNUBBER	3	F-A	F1.30N	VT-3
877800	2RHS*E21A-A-3	WELDED ATTACHMENT FOR WS-3	3	D-A	D1.10	VT-1
877900	2RHS*E21A-WS-3	UPPER SUPPORT RESTRAINT ASSEMBLY	3	F-A	F1.40E	VT-3
878200	2RHS*E22A-WS-1	SADDLE STRUCT SUPPORT	3	F-A	F1.40E	VT-3
878300	2RHS*E22A-A-1	WELDED ATTACHMENT FOR WS-1	3	D-A	D1.10	VT-1
879972	2SWS*P21B-MS-1	PUMP SUPPORT	3	F-A	F1.40P	VT-3
881700	2SWS-PSR025	SUPPORT	3	F-A	F1.30R	VT-3
883500	2SWS-PSST007	SUPPORT	3	F-A	F1.30T	VT-3
898350	2SWS-PSST373	SUPPORT	3	F-A	F1.30T	VT-3
900100	2SWS-PSSP773A	SNUBBER	3	F-A	F1.30N	VT-3
900200	2SWS-PSSP773B	SNUBBER	3	F-A	F1.30N	VT-3
902000	2SWS-PSR136Y	SUPPORT	3	F-A	F1.30R	VT-3
903200	2SWS-PSR823Y	SUPPORT	3	F-A	F1.30R	VT-3
904700	2SWS-PSR306	SUPPORT	3	F-A	F1.30R	VT-3
932450	2SWE-PSR652T	SUPPORT	3	F-A	F1.30R	VT-3
999980	2CNMT-LINER	CONTAINMENT LINER	MC	E-A	E1.11	GV
999983	2CNMT-MOISTBARR	MOISTURE BARRIER	MC	E-A	E1.11	GV
999985	2CNMT-BLDFLG	FUEL CANAL BLIND FLANGE BOLTING	MC	E-A	E1.11	VT-3
999986	2CNMT-EQUHATCH	EQUIPMENT HATCH BOLTING	MC	E-A	E1.11	VT-3
999987	2CNMT-ELEC-PENE-BLTG	ELEC PENETRATION BOLTING	MC	E-A	E1.11	VT-3

**APPENDIX II**

**REPAIR / REPLACEMENT ABSTRACT  
AND  
NIS-2 FORMS**

## NIS-2 ABSTRACT

<u>FORM</u> <u>NO.</u>	<u>ASSET NUMBER</u>	<u>ORDER NO.</u>	<u>COMMENTS</u>
1986	2CHS-488	200087075	Installed
2020	2SWS-737	200157397	Installed
2029	2RCS-PCV455C	200147710	Installed
"	"	200196994	"
2040	2SWS-P21A	55104476	Corrected
2053	2MSS-AOV101B	200089238	Corrected
2083	2RHS-E21B	200252925	Corrected
2098	2SWS-P21C	200109377	Installed
3025	2CHS-153	200283896	Corrected
3045	2FWE-HCV100A	200318973	Corrected
3072	2SVS-81	200333986	Corrected
3078	2FWE-RV101	200106774	Installed
3085	2SWS-106	200334927	Installed
3087	2MSS-196	200335041	Installed
3089	2SWS-P21B	200023701	Corrected
3095	2CHS-181	200335124	Corrected
"	"	200393491	"
3104	2CCO-259	200335121	Installed
3105	2RCS-RV551B	200336058	Installed
3106	2RCS-PCV456	200331527	Corrected
3116	2RCS-45	200328341	Installed
3117	2RCS-46	200337513	Installed
3118	2CHS-184	200147365	Installed
3119	2RCS-44	200322713	Installed
3120	2RCS-53	200349704	Removed
3121	2RCS-26	200349700	Removed
3122	2RCS-12	200349701	Removed
3123	2RCS-58	200349705	Removed
3124	2RCS-66	200349703	Removed
3125	2RCS-38	200349702	Removed
3127	2MSS-165	200023408	Removed
3130	2RCS-27	200356255	Removed
3131	2RCS-13	200356254	Removed
3132	2RCS-39	200356256	Removed
3133	2RCS-54	200356258	Removed
3134	2RCS-67	200356257	Removed
3137	2-QSS-002-236-2	200338916	Corrected
3138	2-QSS-002-217-2	200338915	Corrected
"	2-QSS-002-234-2	"	"
"	2QSS-303	"	Removed
"	2QSS-267	"	"

## NIS-2 ABSTRACT

<u>FORM</u> <u>NO.</u>	<u>ASSET NUMBER</u>	<u>ORDER NO.</u>	<u>COMMENTS</u>
3167	2SWS-MOV107A	200148982	Installed
3168	2SWS-MOV107B	200148983	Installed
3170	2RCS-633	200326364	Removed
3171	2RCS-634	200326360	Removed
3173	2FPW-382	200339308	Removed
"	2-FPW-002-007-2	"	Corrected
"	2-FPW-025-005-2	"	Removed
"	X-117	"	Corrected
3174	2-SWS-012-085-3	200370411	Corrected
3175	2FPW-388	200339309	Removed
"	2-FPW-002-002-2	"	Corrected
"	2-FPW-025-004-2	"	Removed
"	X-116	"	Corrected
3185	2RCS-59	200359393	Installed
3188	2-SWS-006-064-3	200382345	Corrected
3192	2RHS-E21B	200336968	Corrected
3194	2FWE-MOV116B	200331068	Corrected
3195	2CHS-RV382B	200336052	Corrected
3198	2CHS-579	200352079	Corrected
3199	2SWS-MOV103B	200335450	Installed
3204	2RCS-REV21	200378010	Corrected
"	"	200361987	"
"	"	200392534	"
"	"	200334948	"
3205	2RHS-E21A	200392332	Corrected
3206	2RCS-SG21A	7024829	Corrected
3207	2RCS-SG21B	7024829	Corrected
3208	2RCS-SG21C	7024829	Corrected
3209	2RHS-E21B	200392524	Corrected
3217	2MSS-PSSP011A	200338887	Installed
3218	2MSS-PSSP011B	200338887	Installed
3219	2CHS-PSSP006	200338887	Installed
3220	2CHS-PSSP015X	200338887	Installed
3221	2CHS-PSSP017X	200338887	Installed
3222	2CHS-PSSP025X	200338887	Installed
3223	2CHS-PSSP660X	200338887	Installed
3224	2RCS-PSSP001X	200338887	Installed
3225	2RCS-PSSP035	200338887	Installed
3226	2DGS-PSSP879	200338887	Installed
3227	2FWE-PSSP354A	200338888	Installed
3228	2FWE-PSSP354B	200338888	Installed
3229	2RHS-PSSP521X	200344402	Installed

Form No. 1986

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/18/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200087075  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service 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 1971 Edition, W'72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	KP10-1	6164	2CHS-488	1975	Removed	Yes
Valve	Enertech	11803	N/A	2CHS-488	2009	Installed	Yes

7. Description of Work Replaced valve & pipe, installed coupling.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

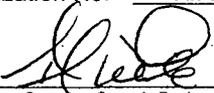
9. Remarks Code Data Report attached. Installed 2" Coupling: PO 45313563 / Ht. #247689.  
Applicable Manufacturer's Data Reports to be attached  
Replaced 2" Pipe: PO 47244224 / Ht. #38884.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 19, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20-, 20 10



Certificate Holder's Serial No. \_\_\_\_\_

8. Design conditions \_\_\_\_\_ 2500 \_\_\_\_\_ psi \_\_\_\_\_ 650 \_\_\_\_\_ °F or valve pressure class \_\_\_\_\_ 1700 \_\_\_\_\_ (1)  
(pressure) (temperature)

9. Cold working pressure \_\_\_\_\_ 4080 \_\_\_\_\_ psi at 100°F

10. Hydrostatic test \_\_\_\_\_ 6125 \_\_\_\_\_ psi. Disk differential test pressure \_\_\_\_\_ N/A \_\_\_\_\_ psi

11. Remarks: Qty. 5, Enertech Project Number 520118

Yoke Material - SA182 F316, S/Ns: 09-176-1, 09-176-3, 09-176-4, 09-176-6, 09-176-7

**CERTIFICATION OF DESIGN**

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

**CERTIFICATE OF COMPLIANCE**

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

N Certificate of Authorization No. \_\_\_\_\_ N-2826 \_\_\_\_\_ Expires \_\_\_\_\_ October 11, 2011  
Enertech, A Div. of Curtiss-Wright Flow Control Corp.  
Date \_\_\_\_\_ 10/13/09 \_\_\_\_\_ Name \_\_\_\_\_ (N Certificate Holder) \_\_\_\_\_ Signed \_\_\_\_\_ (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 \_\_\_\_\_ HSB CT \_\_\_\_\_ of \_\_\_\_\_ Connecticut \_\_\_\_\_ have inspected the pump, or valve, described in this Data Report on \_\_\_\_\_ 10/13/09 \_\_\_\_\_, 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 \_\_\_\_\_ 10/13/09 \_\_\_\_\_ Signed \_\_\_\_\_ (Authorized Inspector) \_\_\_\_\_ Commissions \_\_\_\_\_ CA 2081 \_\_\_\_\_ [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

Form No. 2020

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 02/02/2009  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200157397  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III Edition, 1971 Addenda, S'73 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989  
 (c) Applicable Section XI Code Case(s): N-416-2

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Gate Valve	Dresser	N/A	N/A	2SWS-737	N/A	Removed	Yes
Gate Valve	Velan	011008-10	N/A	2SWS-737	2001	Installed	Yes

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Replacement 2" NPS Pipe: P.O. 7071315, Ht. #40007.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed  Senior Specialist Date February 02, 20 09  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 11-12-08 to 5-22-08, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-9-, 20 09



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

Certificate Holder's Serial No. 011008

- 8. Design conditions 1975 psi 100 °F or valve pressure class 800 (1)  
(pressure) (temperature)
- 9. Cold working pressure 1975 psi at 100°F
- 10. Hydrostatic test 3000 psi. Disk differential test pressure 2200 psi
- 11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE

CERTIFICATE OF DESIGN

Design Specification certified by M. LAVIGNE P.E. State QUE Reg. no. 40052  
 Design report certified by S. ISBITSKY P.E. State QUE 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. N-2797-1 Expires MAY 2, 2001

Date APR 18 01 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 of QUEBEC have inspected the pump, or valve, described in this Data Report on 01/04/19., 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 01/04/19 signed [Signature] Commissions QUEBEC. 8029. (E1)  
 (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)



(1) For manually operated valves only.

Form No. 2029

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/06/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order Nos: 200147710, 200196994  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1977 Edition, S'79 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Power Relief Valve	Garrett Pneumatic	P-121	N/A	2RCS-PCV455C	1983	Corrected	Yes
Fitting/Tubing Assy	Anderson Greenwood Crosby	N/A	N/A	N/A	2008	Installed	No
Plug	Crosby Valve	N96012-39-0036	N/A	N/A	1987	Installed	Yes

7. Description of Work Replaced fitting/tubing assembly, plug, bonnet stud & nut.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

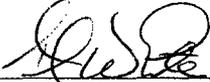
9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No: 1440, 1332, 1043,  
Applicable Manufacturer's Data Reports to be attached  
800 (NPV-1 attached), 553, 361, 088. Replacement 1-3/8" Stud: PO 7116467 / Ht. #HC04 F742,  
Nut: PO 7086198 / Ht. #532326 E473.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 14, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 1-20, 20 10

Form No. 2040

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/15/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 4  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Purchase Order 55104476  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By Flowserve-Charlotte Nuclear Type Code Symbol Stamp NR  
(NAME)  
2801 T Hutchinson McDonald Rd, Charlotte NC 28269 Authorization No. NR-88  
(ADDRESS) Expiration Date Feb. 18, 2009

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989E  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pump	Byron Jackson	731-N-0027	N/A	2SWS-P21A	1982	Corrected	Yes
Bowl Assy	BW/IP Intl.	901W0204	N/A	2SWS-P21A	1991	Corrected	Yes

7. Description of Work Vendor overhauled pump by weld repairing suction bells & columns, and replacing bolting.

8. Tests Conducted: Hydrostatic\*  Pneumatic\*  Nominal Operating Pressure  Exempt   
 Other  Pressure 225 psi Test Temp. 72 °F

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report Nos: 1823, 397, and 141.

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

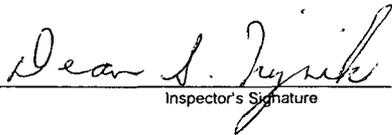
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date January 15, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions FIN, PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20, 20 10

FORM NR-1 REPORT OF REPAIR  OR REPLACEMENT   
TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1. Work performed by: Flowsolve - Charlotte Nuclear Service Center CC0064146  
(name of III certificate holder) (PO No., Job No., etc.)

2801-T Hutchison McDonald Rd, Charlotte, NC 28269  
(address)

2. Owner: First Energy  
(name)

Route 168, Shippingport, PA 15077  
(address)

3. Name, address and identification of nuclear power plant  
Beaver Valley Nuclear Plant Route 168, Shippingport, PA 15077

4. System: Service Water

5a. Items that required Repair or Replacement Activities

No	Identification							Construction Code			Activity	
	Type of Item	Mfg. Name	Mfg. Serial No.	Nat'l Bd. No.	Juris. No.	Other	Year Built	Name / Section / Division	Edition / Addenda	Code Case(s)		Code Class
1	Pump	Byron Jackson	731-N-0027	--	--	BV-ZSWS-P21A	1982	ASME/III/1	1971/W72	N146-1	3	Repair
2	Bowl Assem	BW/IP Int., Inc	901W0204	--	--	BV-ZSWS-P21A	1991	ASME/III/1	1971/W72	--	3	Repair
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

5b. Items installed during Replacement Activities

Type of Item	Installed or Replaced 5a Item No.	Identification						Construction Code			
		Mfg. Name	Mfg. Serial No.	Nat'l Bd. No.	Juris. No.	Other	Year Built	Name / Section / Division	Edition / Addenda	Code Case(s)	Code Class
Studs	2	Nova	--	--	--	--	--	ASME/III/1	1986/none	--	1
Nuts	2	Nova	--	--	--	--	--	ASME/III/1	1986/none	--	1

6. ASME Code Section XI applicable for inservice inspection: 1989 None --  
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs or replacements: See Item 12 See Item 12 --  
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs or replacements: 1971 W1972 N146-1  
(edition) (addenda) (Code Case(s))
9. Design Responsibilities: First Energy / Beaver Valley
10. Tests conducted: hydrostatic  pneumatic  design pressure  pressure 225 psi Code Case(s) N-146-1

11. Description of work:

Repair and Refurbish Components

(one of properly identified additional items or description is acceptable)

Pump Model # 32KXH-2 Stg Service Water Pump per repair plan for Customer PO 55104476, Change Order 5  
General Repairs included pressure boundary weld repairs and HDE with Hydro-Test. Repairs were performed to restore wall thickness and mechanical fit-up conditions of columns and bowls to original OEM design requirements.  
All studs and nuts replaced in bowl assembly. Studs and nuts supplied by customer.

12. Remarks:

- 1. Repair scope applied to item 5a, No. 1 and 2 of this document. Note that the bowl assembly was replaced in 1991
- 2. Continued item #7, Material and Fabrication per ASME Section III, Div 1, 1995 Ed, 96 Add. Pressure Testing in accordance with ASME Section III, Div 1 1989 Ed, no Add.
- 3. Code NR-1 Nameplate attached to bowl assembly

CERTIFICATE OF COMPLIANCE

I, Dennis Wiley, certify that to the best of my knowledge and belief the statements made in this report are correct and the repair or replacement activities described above conform to Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

National Board Certificate of Authorization No. NR-88 to use the "NR" stamp expires Feb, 18 2009

NR Certificate Holder Flowsolve - Charlotte Nuclear Repair Center

Date 10/11/07 Signed Dennis J. Wiley Quality Assurance Representative

CERTIFICATE OF INSPECTION

I, Charles F. Toegel, Jr., holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT

have inspected the repair or replacement described in this report on 11-Oct, 2007 and state that to the best of my knowledge and belief, this repair or replacement activity has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

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

Date 10/11/07 Signed Charles F. Toegel, Jr. Commissions NB#8462, NC#1073

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 BYRON JACKSON PUMP DIV. 2300 E. VERNON AVE. VERNON, CALIF. 90058  
(Name and Address of N Certificate Holder)
2. Manufactured for STONE AND WEBSTER ENG. CORP. BOSTON MASS. 02107  
(Name and Address of Purchaser or Owner)
- \* 3. Location of Installation BEAVER VALLEY POWER STATION, PITTSBURGH, PENNSYLVANIA  
(Name and Address)
4. Pump or Valve Pump Nominal Inlet Size N/A (inch) Outlet Size 24 (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	<u>36RXM</u>	<u>731-N-0027</u>	<u>N/A</u>	<u>1F-7511</u>	<u>3</u>	<u>N/A</u>	<u>1982</u>
(2)	<u>2 STG. VCT.</u>			<u>REV. D</u>			
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. SERVICE WATER PUMPS FOR COMPONENT/SYSTEM COOLING.  
(Brief description of service for which equipment was designed)

6. Design Conditions 130 (Pressure) psi 100 (Temperature) °F or Valve Pressure Class N/A (1)
7. Cold Working Pressure N/A psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
<u>TOP CASE</u>	<u>SA-216 GR. WCB</u>		<u>R/S 162885</u>
<u>SERIES CASE</u>	<u>SA-216 GR. WCB</u>		<u>R/S 162882</u>
<u>SUCTION BELL</u>	<u>SA-216 GR. WCB</u>		<u>R/S 154430</u>
<u>STUFF BOX</u>	<u>SA-216 GR. WCB</u>		<u>R/S 47179A</u>
<b>(b) Forgings</b>			
<u>HALE COUPLING</u>	<u>SA-105 GR. 2</u>		<u>R/S 48969</u>

(1) For manually operated valves only.

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

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(c) Bolting</b>			
STUDS	SA-193 GR. B7		R15115041
Hex. Hd. Cap Scr.	SA-193 GR. B7		R15115037
Hex. Nut	SA-194 GR. 7		R15 97736
<b>(d) Other Parts</b>			
Col. Flange	SA-515 GR. 70		R1547948
Elbow Pipe	SA-515 GR. 70		R15158389
Throttle Support	SA-515 GR. 70		R15 158690
Support Pipe	SA-106 GR. B		R15 158885
Upper Flange	SA-515 GR. 70		R15 158641
Lower Flange	SA-515 GR. 70		R15 158641
Col. Pipe	SA-515 GR. 70		R15158871
Col. Pipe	SA-515 GR. 70		R15158870
Col. Pipe	SA-515 GR. 70		R15158869

9. Hydrostatic test 200 psi. Disk Differential test pressure NIA 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. N-146-1, Date 1 Oct. 1982  
 Signed Byron Jackson Pump Div. by C.W. Hama  
(N Certificate Holder)  
 Our ASME Certificate of Authorization No. 1130 to use the N symbol expires 16 June 1984  
(Date)

**CERTIFICATION OF DESIGN**

Design information on file at Byron Jackson Pump Div.  
 Stress analysis report (Class 1 only) on file at NIA  
 Design specifications certified by (1) STEPHEN A. SHUMAN  
 PE State Pennsylvania Reg. No. PE-30264-E  
 Stress analysis certified by (1) NIA  
 PE State NIA Reg. No. NIA  
 (1) Signature not required. List name only.

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALIFORNIA and employed by ABO MFG. MUTUAL INS. Co. of WALTHAM, MASS. have inspected the pump, or valve, described in this Data Report on Oct. 1<sup>st</sup> 19 82, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date October 1<sup>st</sup> 19 82  
Mahesh N. Contractor (Inspector) Commissions Calif-1408 Penn-WC 2457  
(Natl Bd., State, Prov. and No.)

CERTIFICATE OF AUTHORIZATION NO. N-1130  
 EXPIRES: 16 JUNE 1984  
 BY: C.W. Hama  
 ANI: 1130  
 DATE: 7 Jul. 1983  
 DATE: 2-7-83



Form No. 2053

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/06/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 4  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200089238  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam (Class 2)

5. (a) Applicable Construction Code Section III 1977 Edition, S'79 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Atwood & Morrill	2-15579-03	N/A	2MSS-AOV101B	1987	Corrected	Yes
Poppet	Weir Valve	G8923-1	N/A	Ht. #N1892	2008	Installed	Yes
Pilot Poppet	Weir Valve	1	N/A	Ht. #415388	2008	Installed	Yes

7. Description of Work Replaced both main poppet and pilot poppet/stem assembly. Weld restored #6 guide rib base material & stellite, and area above seat in body bore radius.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached. Body gasket seating area was restored by machining &  
Applicable Manufacturer's Data Reports to be attached  
NDE'd, and several areas of the body casting were ground & NDE'd to remove rounded indications.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

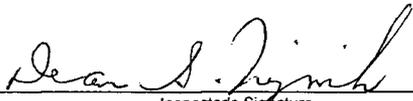
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date January 15, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-08, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 1-20-, 20 10

**FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES\***

Corrected Copy

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

1. Manufactured by Arwood & Morrill Co., Inc., 285 Canal Street, Salem, MA 01970  
(Name and Address of N Certificate Holder)

2. Manufactured for Duquesne Light Company\*, Pittsburgh, PA  
(Name and Address of Purchaser or Owner)

3. Location of Installation Beaver Valley Station 2, Shippingport, PA  
(Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 28 Outlet Size 28  
(inch) (inch)

(a) Model No., (b) N Certificate Holder's (c) Canadian  
 Series No. Serial Registration (d) Drawing (f) Nat'l. (g) Year  
 or Type No. No. No. No. (e) Class Bd. No. Built

(1)	28" Main Steam	2-15579-03	N/A	15579-03	2	N/A	1987
(2)	Isolation Valve			Rev. 02			
(3)							
(4)	*Sold to Stone & Webster Engineering Corp.						
(5)							
(6)	**Pilot poppet material procured to ASME Section II, 1974 Edition with						
(7)	Winter 1975 Addenda. Reference A&M NCR# 32446.						
(8)							
(9)							
(10)							

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

6. Design Conditions 1085 psi 560 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)

7. Cold Working Pressure 1500 psi at 100°F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
<u>Body</u>	<u>SA 216 Gr. WCC</u>	<u>Newport News Shipbuilding</u>	<u>4235B-1</u>
<b>(b) Forgings</b>			
<u>Poppet</u>	<u>SA 105 Q &amp; T</u>	<u>Cann &amp; Saul Steel</u>	<u>MV4191-1</u>
<u>Cover</u>	<u>SA 105 Q &amp; T</u>	<u>Cann &amp; Saul Steel</u>	<u>6068460-4</u>
<u>**Pilot Poppet</u>	<u>SA 182 Gr. F6a</u>	<u>Cann &amp; Saul Steel</u>	<u>30611-2</u>

(1) For manually operated valves only

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



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 Weir Valves & Controls USA, Inc. 29 Old Right Rd., Ipswich, MA 01938-1119 (name and address of NPT Certificate Holder)

2. Manufactured for First Energy, P.O. Box 6100, Johnstown, PA 15907-6100 (name and address of Purchaser)

3. Location of installation Beaver Valley Nuclear Power Plant, Route 16B, Shippingport PA 15077 (name and address)

4. Type: \*32467-614-D Rev. 0 SA 105 84,500 N/A 2008 (drawing no.) (matl. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1977 S'1979 2 N/A (edition) (addenda date) (class) (Code Case no.)

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

7. Remarks: Cust. Item 00001 WVC Item 10 Qty. 1 Poppet A&M P/N 32467-614-2974-121 QLA (WVC S.O. 78595)\*Dwg. Prepared by WVC. This certification meets required information of ASME Section III 1977 Edition S'1979 Addenda.

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:

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. In Numerical Order. Rows 1-25 and 26-50.

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

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

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

Certificate Holders' Serial Nos. HT: N1892 S/N: G8923-1 through N/A

CERTIFICATION OF DESIGN

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N2607 Expires 6-13-2010

Date 7/18/08 Name Weir Valves & Controls USA, Inc. (NPT Certificate Holder) Signed Guy H. Donnell (authorized representative)

CERTIFICATE OF INSPECTION

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

MA. And employed by HSBCT of Hartford, CT

have inspected these items described in this Data Report on 7-18-08, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 7-18-08 Signed [Signature] (authorized inspector) Commissions MA 1653 [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

- 1. Manufactured and certified by Weir Valves & Controls USA, Inc. 285 Canal Street Salem, MA 01970
2. Manufactured for First Energy, P.O. Box 6100, Johnstown, PA 15907-6100
3. Location of installation Beaver Valley Nuclear Power Plant, Route 16B, Shippingport PA 15077
4. Type: \*32446-303-C Rev. 02 SA 479, S30400 86,500 N/A 2008
5. ASME Code, Section III, Division 1: 1977 S'1979 2 N/A
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A N/A N/A Date N/A
7. Remarks: Cust. Item 00001 WVC Item 20-3 Qty. 2 Pilot Poppet A&M P/N 32446-303-4226-000 QLA
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:

Table with 4 columns: Part or Appurtenance Serial Number, National Board No. In Numerical Order, Part or Appurtenance Serial Number, National Board No. In Numerical Order. Row 1 contains data: (1) HT: 415388 S/N: 1 & 2, N/A, (26),

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

\*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/4 x 11, (2) information in Items 2 and 3 on this Data Report is included on 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 Holders' Serial Nos. HT: 415388 S/N 1 through 2

CERTIFICATION OF DESIGN

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

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

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N2607 Expires 6-13-2010

Date 4/9/08 Name Weir Valves & Controls USA, Inc. Signed [Signature]  
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

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

MA. And employed by HSBCT

of Hartford, CT have inspected these items described in this Data Report on 4/9/08, 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 4/9/08 Signed [Signature] Commissions MA1651 ABNI  
(authorized inspector) (Nat'l Bd. (incl. Endorsements) and state or prov. and no.)

Form No. 2083

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 02/02/2009  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200252925  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Residual Heat Removal (Class 2)

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989

(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Heat Exchanger	Atlas Industrial	3484	2854	2RHS-E21B	1978	Corrected	Yes

7. Description of Work Replaced stud and nut.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Replacement 1-1/8" Stud: P.O. 47037233 / Ht. #M584; Nut: P.O 47043141 / Ht. #J858.  
Applicable Manufacturer's Data Reports to be attached  
Code Data Report attached to previous NIS-2 Data Report No. 1132.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [Signature] Senior Specialist Date March 05, 20 09  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 3-6-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 9428 ANIB PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-6-09, 20 09

Form No. 2098

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/15/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 3  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order 200109377  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III 1971 Edition, W'72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989E  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pump	Byron Jackson	731-N-0020	N/A	2SWS-P21C	1982	Removed	Yes
Pump	Byron Jackson	731-N-0027	N/A	2SWS-P21C	1982	Installed	Yes
Column	Penn Iron Works	5236N-1	473	N/A	2006	Installed	Yes
Stuffing Box	Flowserve/IDP	RLSA06662	N/A	N/A	2005	Installed	Yes

7. Description of Work Replaced pump with rebuilt spare, replaced pump column and bolting.  
Replaced seismic supports.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report Nos: 576 (NPV-1 attached). The spare pump was  
rebuilt per NIS-2 Data Report No 2040. Replacement 7/8" Studs: PO 45172981 / Ht. #x374, 47134616 / Ht. #Z660; 7/8"  
Nuts: PO 45246143 / Ht. #QJR; 1" Studs: PO 45246235 / Ht. #1C69, PO 45168676 / Ht. #255; 1-1/4" Studs: PO 47082958  
Ht. #P918; 3/4" Bolts: PO 45257251 / Ht. # GA 139335; 1/2" Plate: PO 7037275 / Ht. #7468224; Channel: PO 45258306 / Ht. #6706558

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Justin Sciulli  Nuclear Specialist Date January 25, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10



RLSA06662

RLSA06662

Certificate Holder's Serial Nos. \_\_\_\_\_ through \_\_\_\_\_

CERTIFICATION OF DESIGN

Design specifications certified by Rodger E. Martin P.E. State PA Reg. no. 2808-E  
 Design report\* certified by Douglas B. Nickerson P.E. State CA Reg. no. 1314  
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1131 Expires June 10, 2005  
 Date 2/25/2005 Name Flowserve Corp., Pump Division Signed [Signature]  
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province  
 of California and employed by HSB-CI  
 of Hartford, CT have inspected these items described in this Data Report on 3/29/2005, and state that to the  
 best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section  
 III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 3/29/2005 Signed [Signature] Commissions CA-1969  
(Authorized Nuclear Inspector) [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

1. Manufactured and certified by Penn Iron Works, Inc., 700 Old Fritztown Road, Sinking Spring, PA 19608  
(name and address of NPT Certificate Holder)

2. Manufactured for Flowserve Pump Corp., 2300 East Vernon Avenue, Vernon, CA 90058  
(name and address of purchaser)

3. Location of installation Unknown  
(name and address)

4. Type 313207, Rev. E SA-105, 106, 515 & 516 70 ksi Min. NA 2006  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: See Remarks See Remarks 3 NA  
(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: \* Penn Iron Works, Inc. not responsible for design  
1. Design - 1971 Edition, Winter 1972 Addenda; 2. Materials - ASME Section II, Parts A & C, 1995 Edition, 1996 Addenda  
3. Fabrication and Examination - ASME Section III, 1995 Edition, 1996 Addenda

8. Nom. thickness (in.) 0.500" Min. design thickness (in.) 0.435" Dia. ID (ft & in.) 2' - 0" OD Length overall (ft & in.) 9' - 6"

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) 5236N-1	473	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 150 psi. Temp. 100 °F. Hydro. test pressure 225 psig @71 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.

(7/98)

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

LOT NO.: 02-005299  
SALE ORDER NO.: RLCJ00040  
ITEM NAME: COLUMN  
ITEM NO.: 10051634  
CUSTOMER P.O.: 55103921

Certificate Holder's Serial Nos. 5236N-1 through 5236N-1

**CERTIFICATION OF DESIGN**

Design specifications certified by NA P.E. State NA Reg. no. NA  
(when applicable)  
 Design report\* certified by NA P.E. State NA Reg. no. NA  
(when applicable)

**CERTIFICATE OF COMPLIANCE**

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

NPT Certificate of Authorization No. N-2927 Expires June 28, 2008  
 Date 7/21/06 Name Penn Iron Works, Inc. Signed [Signature]  
(NPT Certificate Holder) (Authorized Representative)

**CERTIFICATE OF INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PA and employed by HSB CT of HARTFORD, CT. have inspected these items described in this Data Report on 7/21/06 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 7/21/06 Signed [Signature] Commissions NB 9364(N) PA 2372  
(Authorized Nuclear Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

LOT NO.: 02-005299  
 SALE ORDER NO.: RLCJ00040  
 ITEM NAME: COLUMN  
 ITEM NO.: 10051634  
 CUSTOMER P.O.: 55103921

Form No. 3025

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 02/02/2009  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 3  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200283896  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Chemical & Volume Control (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W'72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve	Kerotest	LA2-1	9437	2CHS-153	1976	Corrected	Yes
Disc	Flowserve	---	N/A	Ht. #724770	2002	Installed	Yes

7. Description of Work Replaced valve disc.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Serial number of replacement disc was not recorded.  
Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed [Signature] Senior Specialist Date March 13, 20 09  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 3-17-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 NB9428 ANIB PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-17-, 20 09

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

1. (a) Manufactured by Flowserve Corporation, 701 First Street, Williamsport, PA 17701  
(Name and address of NPT Certificate Holder)

(b) Manufactured for First Energy Corp., P.O. Box 3611, Akron, OH 44309-3611  
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part 1 & 2 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. 7572609118 R/J Drawing Prepared by Flowserve Corp.

(b) Description of Part Inspected Disc w/Stellite Heat #724770 SA479-316

(c) Applicable ASME Code: Section III, Edition 1971, Addenda date Winter'72, Case No. N/A Class 1

3. Remarks: Spare Part(s) for 2"-1500# Check Valve \*Disc Assembly Dwg. #7572609084 R/E  
(Brief description of service for which component was designed)  
Flowserve S.O. and Item No.: E823R-3

NOTE: No Hydrotesting Performed  
Long Term Storage Facility

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

Date 4/16 2007 Signed Flowserve Corporation By H.J. Eckard  
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/04 Certificate of Authorization No. H1713

**CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)**

Design information on file at \_\_\_\_\_

Stress analysis report on file at \_\_\_\_\_

Design specifications certified by \_\_\_\_\_ Prof. Eng. State \_\_\_\_\_ Reg. No. \_\_\_\_\_

Stress analysis report certified by \_\_\_\_\_ Prof. Eng. State \_\_\_\_\_ Reg. No. \_\_\_\_\_

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by One Beacon America Insurance of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 4-3-02 4-17-02 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 4-17-02 2007

Charles Young Inspector's Signature  
Commission Pennsylvania 2392  
National Board, State, Province and No.

\*Supplemental sheets to both of initial sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information on items 1-3 on this Data Report is applicable to each sheet, and (3) each sheet is numbered and placed in order as provided on item 3, "Remarks".

(10/77) This form (E00040) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017



FORM NPV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remark.
(c) Bolting			
(d) Other Parts			
disc assy. UP-9911-55-(1)Z	SA479, Type 316	Carpenter	Mat'l Code HD

8. Hydrostatic test 5400 psi.

**CERTIFICATION OF DESIGN**

Design information on file at Kerotest Manufacturing Corp.

Stress analysis report on file at N/A

Design specifications certified by F. Kenneth Deluse (1) Prof. Eng. State PA Reg. No. 17128E

Stress analysis report certified by N/A (1) Prof. Eng. State \_\_\_\_\_ Reg. No. \_\_\_\_\_

(1) Signature not required. List name only.

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

Date April 9 19 76 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 of 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 9 19 76, 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 9 19 76

Ray Welsh (Inspector) Commissions NB6314 (National Board, State, Province and No.)

Form No. 3045

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/11/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 3  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200318973  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Auxiliary Feedwater (Class 2)

5. (a) Applicable Construction Code Section III 1980 Edition, S'81 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Globe Valve	Copes-Vulcan	8320-95453-6-1	2475	2FWE-HCV100A	1984	Corrected	Yes
Plug	Copes-Vulcan	8721-96246-1-6 (87-5)	N/A	N/A	1988	Installed	Yes

7. Description of Work Replaced plug.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

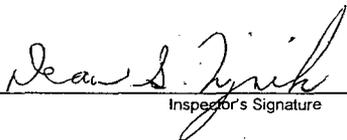
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date January 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions NB9428 ANIB PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

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

As Required by the Provisions of the ASME Code, Section III, Division 1  
Not To Exceed One Day's Production

1. Manufactured and certified by Copes-Vulcan, Lake City, PA 16423  
(name and address of certificate holder)

2. Manufactured for Duesquene Light Co., Pittsburgh, PA 15279  
(name and address of purchaser)

3. Location of installation Beaver Valley Unit #1 Shippingport, PA 15077  
(name and address)

4. Type E-266684MKD SA-182 Tp. 304 89,410 psi --- 1988  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III: 1980 Summer 1981 2 ---  
(edition) (addenda) (class) (Code Case no.)

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

7. Remarks: Plug for 3" Class 600# Valve Ass'y per Dwg. E-266212 Rev. 5

Cust. P.O. D039416 CV Job 8721-96246

CV Ref. Job 8320-95453

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

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

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board Number In Numerical Order
(1) <u>8721-96246-1-6(87-5)</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure See Remarks psi Temp. See Remarks of Hydro. test pressure See Remarks 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)

Mfr. Serial No. 8721-96246

CERTIFICATE OF DESIGN

Design specifications certified by Louis C. Wilmot P. E. state NY Reg. no. 49480
Design report\* certified by N/A P. E. state Reg. no.

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Plugs conform to the rules of construction of the ASME Code, Section III.
NPT Certificate of Authorization no. N-1843 Expires 8/19/89
Date 1-20-88 Name Copes-Vulcan Signed J.P. Kayelli

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or province of Penna and employed by Protection Mutual Ins. Co.\* of Park Ridge, IL have inspected these items described in this data report on 1-21-88 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this data report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection. \*Factory Mutual Systems
Date 1-21-88 Signed J. Busson Commissions 180563 142274



Mat' No.	Material Spec. No.	Manufacturer	Remarks
<b>(c) Bolting</b>			
Studs Lot C6	ASME SA 193	Vitco	GR-37
Nuts Lot X11	ASME SA 194	Vitco	GR-2H
<b>(d) Other Parts</b>			
Plug S/N 83-5	ASME SA 182	McInnes	Tp. 304

9. Hydrostatic test 2225 psi. Disk Differential test pressure 1628 psi. CV S/N 8320-95453-6-1

### CERTIFICATE OF COMPLIANCE

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

Addenda Summer 1981 Code Case No.          Date March 27, 1984

Signed Copes-Vulcan by Dale R. May  
(N Certificate Holder)

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

### CERTIFICATION OF DESIGN

Design information on file at Stone & Webster Eng. Corp., Boston Mass

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

Design specifications certified by (1) Louis C. Wilmore

PE State NY Reg. No. 49480

Stress analysis certified by (1) N/A

PE State          Reg. No.         

(1) Signature not required. List name only.

### CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Penna and employed by Protection Mutual Ins. Co. of Park Ridge, IL have inspected the pump, or valve, described in this Data Report on

Mar 27 1984, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 3-97 1001

Form No. 3072

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 10/31/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200333986  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Steam Vent (Class 2)

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve	Enertech	11355	N/A	2SVS-81	2005	Corrected	Yes

7. Description of Work Replace four flange studs & nuts.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks NPV-1 Data Report attached to previous NIS-2 Data Report No. 1783. Replacement 1"

Applicable Manufacturer's Data Reports to be attached

Studs: PO 45168676 / Ht. #255; Nuts: PO 47048563 / Ht. #M795.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 13, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 1-20-, 20 10

Form No. 3078

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 10/27/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200106774  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Auxiliary Feedwater (Class 3)

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Relief Valve	Dresser Ind.	TN-39769	N/A	2FWE-RV101	2003	Removed	Yes
Relief Valve	Farris Eng.	NC-2658-A14	N/A	2FWE-RV101	2009	Installed	Yes

7. Description of Work Replaced relief valve.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No: 1650. Replacement valve  
Applicable Manufacturer's Data Reports to be attached  
provided to Section III 1989E-1991A per ECP 03-0010-063.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 13, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Zylich Inspector's Signature Commissions I, N, PA2384 National Board, State, Province, and Endorsements

Date 1-20-, 20 10

**FORM NV-1 CERTIFICATE HOLDER'S DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES\***

As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Farris Engineering Division of Curtiss-Wright Flow Control Corporation 15 Shaver Street Brantford, Ontario Canada N3T 5T3  
(name and address of NV Certificate Holder)

2. Manufactured for First Energy Beaver Valley NPP Route PO Box 6100 Shippingport PA USA 15907  
(name and address of Purchaser)

3. Location of installation Beaver Valley Power Station  
(name and address)

4. Valve 26KA13L-141/S4/SP Orifice size K Nom. inlet size 3 Outlet size 4  
(model no., series no.)

5. ASME Code, Section III, Division 1 1989 1991 3 N/A  
(edition) (addenda date) (class) (Code Case no.)

6. Type Spring 1430 PSIG N/S PSI 400 °F 2150 PSIG at Min. 50 °F  
(spring, pilot, or power operated) (set pressure) (blowdown) (rated temp.) (hydro. test., inlet)

7. Identification NC-2658-A14 27986 REV - N/A 2009  
(Cert. Holder's serial no.) (CRN) (drawing no.) (National Bd. no.) (year built)

8. Control ring settings 8 Notches

9. Pressure retaining items

	Serial No. or Identification	Material Spec., Including Type or Grade	Tensile Strength (KSI)
Body	<u>M0354</u>	<u>SA-216 GRADE WCB</u>	<u>70</u>
Bonnet or Yoke	<u>M0356</u>	<u>SA-351 GRADE CF8M</u>	<u>70</u>
Support Rods	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Nozzle	<u>G2195-4</u>	<u>SA-351 GRADE CF8M</u>	<u>70</u>
Disk	<u>J9051-2-58</u>	<u>SA-479 TYPE 316</u>	<u>75</u>
Spring Washers	<u>56352-1-6 56352-1-7</u>	<u>N/A</u>	<u>75</u>
Adjusting Screws	<u>3730H-9A-32</u>	<u>SA-479 TYPE 316</u>	<u>75</u>
Spindle	<u>728853-1-14</u>	<u>SA-479 TYPE 316</u>	<u>75</u>
Spring	<u>189598</u>	<u>A 313 Type 316 STAINLESS STEEL</u>	<u>160</u>
Bolting	<u>723541</u>	<u>SA-564 GR 630 COND H1100</u>	<u>140</u>
Other Items	<u>See Pg. 2</u>		

10. Relieving capacity 2004 USGPM WATER @ 10% overpressure as certified by the National Board 10/8/2003  
(steam or fluid) (date)

11. Remarks CORRECTION WAS TO ADD AN INSPECTION DATE ON PAGE 2.

**CERTIFICATION OF DESIGN**

Design Specification certified by Francis W. Gardner P.E. State Pennsylvania Reg. no. 036614-E  
 Design Report certified by Johnson Madukavil P.E. State Ontario Reg. no. 100058089

**CERTIFICATE OF COMPLIANCE**

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

NV Certificate of Authorization No. N-3061 Expires 11/2/2010  
 Date 11/20/09 Name Farris Engineering, A Business Unit Of Curtiss-Wright Flow Control Co. Signed [Signature]  
(NV Certificate Holder) (authorization representative)

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

Certificate Holder's Serial No. NC-2658-A14

**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 ONTARIO and employed by TECHNICAL STANDARDS AND SAFETY AUTHORITY (TSSA) of ONTARIO have inspected the valve described in this Data Report on Sept. 18, 2009 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this 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 Nov. 20, 09 Signed *[Signature]* Commissions DN33 NB12172 AN  
(Authorized Nuclear Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

9. Pressure retaining items continued:

	<u>Serial No. or Identification</u>	<u>Mat'l. Spec., including Type or Grade</u>	<u>Tensile Strength</u>
Hex Nut	<u>G8520</u>	<u>SA-194 GRADE 8M FINISHED PART</u>	<u>98</u>
Disc Holder	<u>150307-1-49</u>	<u>SA-479 TYPE 316 BAR</u>	<u>75</u>
Stem Retainer	<u>7396H-2-64</u>	<u>SA-564 GR 630 COND H1100 BAR</u>	<u>140</u>

Form No. 3085

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 12/29/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200334927  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Duo-Chek Valve	Crane Nuclear	D2226	N/A	2SWS-106	2003	Removed	Yes
Duo-Chek Valve	Crane Nuclear	D3375	N/A	2SWS-106	2004	Installed	Yes

7. Description of Work Replaced valve with spare.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No. 1456.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 18, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, P 12384  
National Board, State, Province, and Endorsements

Date 1-20-, 20 10





Form No. 3087

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/05/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200335041  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam (Class 3)

5. (a) Applicable Construction Code Section III 1971 Edition, S'72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve	Enertech	10551	N/A	2MSS-196	1997	Removed	Yes
Check Valve	Enertech	11076	N/A	2MSS-196	2001	Installed	Yes

7. Description of Work Replaced valve with spare.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks NPV-1 Data Report attached. Previous NIS-2 Data Report No. 1030.  
Applicable Manufacturer's Data Reports to be attached

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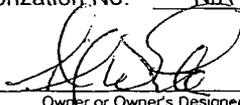
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CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 27, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions E.N. PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-29-, 20 10



Certificate Holder's Serial No. 11075 & 11076

8. Design conditions 1100 psi 560 °F or valve pressure class 600 (1)  
(pressure) (temperature)

9. Cold working pressure 1440 psi at 100°F

10. Hydrostatic test 2175 psi. Disk differential test pressure 1600 psi

11. Remarks: Qty. 2, Enertech Job Number 24628V

**CERTIFICATION OF DESIGN**

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

**CERTIFICATE OF COMPLIANCE**

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

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

Date 4/30/01 Name Enertech Signed [Signature]  
(N Certificate Holder) (authorized representative)

**CERTIFICATE OF INSPECTION**

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

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

Date 4/30/01 Signed [Signature] Commissions CA1494  
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 3098 3069  
*Res. 1/27/08*

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner FENOC Date 01/25/10  
(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 Order # 200023701  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code ASME Section III 1971 Edition, W'72 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: 2001-2003  
(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pump	Byron Jackson	731-N-0028	N/A	2SWS-P21B	1982	Corrected	Yes
Bowl Assembly	BW/IP	901-W-20046	N/A	N/A	1991	Corrected	Yes
Stuffing Box	Flowserve	RLSA07407	N/A	N/A	2006	Installed	Yes

7. Description of Work Repair bowl assembly/pump and install a new stuffing box and bolting

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Previous NIS-2 #402. Rod PO/HT#'s : 45265407/1R76, 452654, Bolting PO/HT# 45246143/8994826, 45254219/251919.

Applicable Manufacturer's Data Reports to be attached

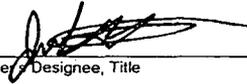
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Justin Sciulli  Nuclear Specialist Date January 25, 2010  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Lynch Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27- 2010

28WS-P21B

FORM NR-1 REPORT OF REPAIR  MODIFICATION  OR REPLACEMENT   
TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

Work performed by: Flowserve - Charlotte Nuclear Service Center P.O. 55108299  
(name of NR certificate holder) Job No. CC0084734  
(PO No., Job No., etc.)  
2801-T Hutchison McDonald Rd., Charlotte, NC 28269  
(address)

2. Owner: First Energy  
(name)  
Route 168, Shippingport, PA 15077  
(address)

3. Name, address and identification of nuclear power plant Beaver Valley Nuclear Power Plant  
Route 168, Shippingport, PA 15077

4. System: Service Water

5a. Items which required Repair, Modification, or Replacement Activities

No	Identification							Construction Code				Activity
	Type of Item	Mfg. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name / Section / Division	Edition / Addenda	Code Case(s)	Code Class	Repair / Mod / Replace
1	Pump	Byron Jackson	731-N-0027,28,29	-	-	-	1982	ASME/III/1	1971/W72	N146-1	3	Repair
2	Bowl Assy	BW/IP	901-W-0204,5,6,7	-	-	-	1991	ASME/III/1	1971/W72	-	3	Repair
3												
4												
5												
6												
7												
8												
9												
10												

5b. Items installed during Replacement Activities

Type of Item	Installed or Replaced 5a Item No.	Identification						Construction Code			
		Mfg. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name / Section / Division	Edition / Addenda	Code Case(s)	Code Class
Studs	2	Nova	-	-	-	-	-	ASME/III/1	1986/none	-	1
Nuts	2	Nova	-	-	-	-	-	ASME/III/1	1986/none	-	1

6. ASME Code Section XI applicable for inservice inspection: 1989 None -  
(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, modifications, or replacements: See Item 12 See Item 12 N-496-2  
(edition) (addenda) (Code Case(s))

Construction Code used for repairs, modifications, or replacements: 1971 W1972 N-146-1  
(edition) (addenda) (Code Case(s))

9. Design Responsibilities: First Energy/Beaver Valley

10. Tests conducted: hydrostatic  pneumatic  design pressure  pressure See Item 12 psi Code Case(s) N-146-1

11. Description of work:

Repair and Refurbish Components

(use of properly identified additional sheet(s) or sketch(es) is acceptable)

Pump Model 32KXH-2 Stage Service Water pump in accordance with Repair Plan for Customer P.O. # 55108299, Change Order 3. General repairs included pressure boundary weld repairs and NDE with hydrotest. Repairs were performed to restore wall thickness and mechanical fit-up conditions to original OEM design requirements.

12. Remarks:

- 1. Repair scope applies to Item 5a, No.'s 1 and 2 of this document. Note that bowl assembly was replaced in 1991.
- 2. Item 7 continued: Material and Fabrication per ASME Section III, div.1 1989 Edition, 1996 Addenda. Pressure testing in accordance with ASME Section III, 1971 Edition, Winter 1972 Addenda.
- 3. Bowls pressure tested at 225 psi and columns pressure tested at 200 psi.
- 4. Code NR-1 nameplate attached to Top Case.

CERTIFICATE OF COMPLIANCE

I, Jennifer L. McCarthy, certify that to the best of my knowledge and belief the statements in this report are correct and the repair, modification or replacement activities described above conform to Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

National Board "R" Certificate of Authorization No. NR-88 to use the "NR" stamp expires Feb 18, 2009

NR Certificate Holder Flowserve - Charlotte Nuclear Service Center

Date 10/16/08 Signed [Signature] Supervisor, QA

CERTIFICATE OF INSPECTION

I, Charles F. Toegel, Jr., holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 10/16/08 and state that to the best of my knowledge and belief, this repair, modification or replacement activity has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

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

Date 10/16/08 Signed [Signature] Commissions NB#8462, NC#1073

**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 Flowsolve Pump Division, Nuclear Products Operation, 2300 E. Vernon Ave., Vernon, CA 90058  
(name and address of NPT Certificate Holder)
2. Manufactured for First Energy Corp., P.O. Box 6100, Johnstown, Pennsylvania  
(name and address of purchaser)
3. Location of installation Beaver Valley Station, Route 168, Shippingport, Pennsylvania  
(name and address)
4. Type DWG313206 ASME SA 216 GR. WCB 70 KSI Min. N/A 2006  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1971 Winter 1972 3 N146-1  
(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: Flowsolve Job No. RLCA03073 Nomenclature: Stuffing Box  
Nameplate attached by tack weld.
8. Nom. thickness (in.) 1.12 Min. design thickness (in.) 1.00 Dia. ID (ft & in.) 10.00 Length overall (ft & in.) 15.00
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) <u>RLSA07407</u>	<u>N/A</u>	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 150 psi. Temp. 100 °F. Hydro. test pressure 235 @ 70F 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. RLSA07407 through RLSA07407

CERTIFICATION OF DESIGN

Design specifications certified by Rodger E. Martin P.E. State PA Reg. no. 2808-E  
(when applicable)  
Design report\* certified by Douglas B. Nickerson P.E. State CA Reg. no. 1314  
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-1131 Expires June 10, 2008

Date 1/25/06 Name Flowserve Pump Division, Nuclear Products Operation Signed [Signature]  
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province  
of California and employed by HSB-CT  
of Hartford, CT have inspected these items described in this Data Report on 1/25/06, 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 1/25/06 Signed [Signature] Commissions CA-1969  
(Authorized Nuclear Inspector) (Nat'l. Bd. [incl. endorsements] and state or prov. and no.)

Form No. 3095

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 10/28/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 3  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order Nos: 200335124, 200393491  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

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

5. (a) Applicable Construction Code Section III 1971 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A

(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve	Kerotest	EGS-15	7574	2CHS-181	1975	Corrected	Yes
Disc	Flowserve	40	N/A	Ht. #43275	1998	Installed	Yes

7. Description of Work Replaced disc and seal welded cap to body.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached.

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 18, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions JB9428 ANIB PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20-, 20 10

**FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES\***

As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Flowserve Corp., 701 First Street, Williamsport, PA 17701  
(Name and address of NPT Certificate Holder)
- (b) Manufactured for First Energy Corp. P.O. Box 345 Shipping Port, PA 15077  
(Name and address of N Certificate Holder for completed nuclear component)
2. Identification-Certificate Holder's Serial No. of Part S/N 40 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. 72609084 Drawing Prepared by Flowserve Corp.
- (b) Description of Part Inspected Disc Heat No. 43275 SA479-316
- (c) Applicable ASME Code: Section III, Edition 1971, Addenda date W'72, Case No. --- Class 1
3. Remarks: 2"-1500# Check  
(Brief description of service for which component was designed)  
Shop Order No. E031R-2  
See BW/IP N-2 Form supplied for Disc Ref. R/S No. 332459 S/N - 40

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

Date 6/30/2000 Signed Flowserve Corp. By R. S. Stannett  
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/01 Certificate of Authorization No. N1713

**CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)**

Design information on file at \_\_\_\_\_

Stress analysis report on file at \_\_\_\_\_

Design specifications certified by \_\_\_\_\_ Prof. Eng. State \_\_\_\_\_ Reg. No. \_\_\_\_\_

Stress analysis report certified by \_\_\_\_\_ Prof. Eng. State \_\_\_\_\_ Reg. No. \_\_\_\_\_

**CERTIFICATE OF SHOP INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by Commercial Union Insurance Company of Boston, Mass. have inspected the part of a pressure vessel described in this Partial Data Report on 5-16-00 ch 6-30-00 19\_\_ and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date JUN 30 2000  256

Charles Young Commissions Pennsylvania 2392  
Inspector's Signature National Board, State, Province and No.

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



FORM NPV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			
Disc UP-9911-55-(1)	SA479 Type 316	Carpenter	Mat'l. Code DI

8. Hydrostatic test 5400 psi.

**CERTIFICATION OF DESIGN**

Design information on file at Kerotest Manufacturing Corp.  
 Stress analysis report on file at Kerotest Manufacturing Corp.  
 Design specifications certified by F. Kenneth Deluse (I) Prof. Eng. State Pa. Reg. No. 17128E  
 Stress analysis report certified by S. J. Caroleo (I) Prof. Eng. State Pa. Reg. No. 017144E  
 (I) Signature or required. List name only.

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

Date August 25 19 75 Signed Kerotest By S. J. Caroleo  
(Manufacturer)  
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 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 August 25 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 August 25 19 75

R. E. Hart Commission NB 2628  
(Inspector) (National Board, State, Province and No.)

Form No. 3104

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
As Required by the Provisions of the ASME Code Section XI

1. Owner F.E.N.O.C Date 11/06/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200335121  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Primary Component Cooling

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	TRW Mission	B5666	N/A	2CCP-259	1976	Removed	Yes
Valve	Crane Nuclear	D0835	N/A	2CCP-259	2002	Installed	Yes

7. Description of Work Replace valve and flange studs & nuts.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

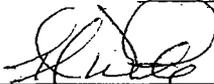
9. Remarks Code Data Reports attached. Replacement 3/4" Studs: PO 45312663 / Ht. #3K21; Nuts:  
PO 45297098 / Ht. #2X79.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date February 01, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-08, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 2-1-, 20 10



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

Certificate Holder's Serial No. D0835

- 8 Design conditions 200 (pressure) Psi 300 (temperature) °F or valve pressure class ANSI 150 (1)
- 9 Cold working pressure 285 Psi at 100°F
- 10 Hydrostatic test 450 psi. Disk differential test pressure 315 Psi
- 11 Remarks: PO No. 7083942, Rev. 0, Item No. 2 SO No. 14362-02  
Valve ID: VC1-015-A-3  
Retaining Pin Retainer Ht. #G4570

CERTIFICATION OF DESIGN

Design Specifications certified by Walter Joseph Parker, Jr. P.E. State PA Reg. no. 24003-E

Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2899 Expires September 24, 2002

Date 08/29/02 Name CRANE Nuclear, Inc. Signed Garrett Petrovich  
(N Certificate Holder) (authorized representative)  
 Garrett Petrovich

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Factory Mutual Insurance Company of Johnston, RI have inspected the pump, or valve, described in this Data Report on 08/29/02 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 08/29/02 Signed James Bush Commissions IL 1077  
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)  
 James Bush

(1) For manually operated valves only.

Form No. 3105

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/14/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200336058  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Relief Valve	Crosby Valve	N56963-01-0010	N/A	2RCS-RV551B	1980	Removed	Yes
Relief Valve	Crosby Valve	N56963-00-0007	N/A	2RCS-RV551B	1976	Installed	Yes

7. Description of Work Replaced valve with spare.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report Nos: 1947, 1659, 1204, 1197,  
Applicable Manufacturer's Data Reports to be attached  
1157, 847, 686, 247, 054, 045, 015, and 009. NPV-1 Data Report attached to NIS-2 Report #202.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 28, 20 10  
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 HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I.I.I. PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-29-, 20 10

Form No. 3106

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/04/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200331527  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1977 Edition, S'79 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Power Relief Valve	Garrett Pneumatic	P-119	N/A	2RCS-PCV456	1983	Corrected	Yes
Plug	Anderson Greenwood Crosby	N96012-82-0159	N/A	N/A	2007	Installed	Yes

7. Description of Work Replaced plug.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No: 1995, 1660, 1441, 1195,  
Applicable Manufacturer's Data Reports to be attached  
1042 (NPV-1 attached), 802, 539, 360, 090.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 14, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20-, 20 10

**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 FIRST ENERGY CORP.  
(Name and Address of Purchaser or Owner)
3. Location of Installation BEAVER VALLEY NUCLEAR POWER PLANT  
(Name and Address)
4. Type DS-C-67970-13 REV.J ASME SA479 TYPE 316 75,000 - 2007  
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 S79 1 N/A  
(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) N96012-82-0159		(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure - psi. Temp. - ° F Hydro. test pressure 6125 PSIG 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)

Certificate Holder's Serial No. N96012-82-0159

**CERTIFICATE OF DESIGN**

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

Design report\* certified by W. D. GREENLAW P.E. State MA Reg. no. 14784  
(when applicable)

**CERTIFICATE OF COMPLIANCE**

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

NPT Certificate of Authorization No. N-1877 Expires Sept. 30, 2007  
Anderson Greenwood Crosby

Date 14-FEB-07 Signed Wrentham, MA by D. E. T. 1884  
(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 MA and employed by HSB-CT of Hartford-CT have inspected these items described in this Data Report on 2-13, 2007 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 FEB 14, 2007

Signed [Signature]  
(Authorized Inspector)

Commissions MA - 1420 A. N. I.  
(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Form No. 3116

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/03/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200328341  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service 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 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest Mfg.	QAP4-18	N/A	2RCS-45	1982	Removed	Yes
Valve	Enertech	11808	N/A	2RCS-45	2009	Installed	Yes

7. Description of Work Replaced valve and pipe.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks NPV-1 Data Report attached. Previous NIS-2 Data Report Nos: 086, and 022.

Applicable Manufacturer's Data Reports to be attached

Replacement 2" Pipe: PO 45213729 / Ht. #037046.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed T. White



Owner or Owner's Designee, Title

Staff Specialist

Date January 11, 20 10

CERTIFICATE OF INSERVICE INSPECTION

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

Hartford, CT

have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

I, N, PA2384  
National Board, State, Province, and Endorsements

Date 1-12-, 20 10



Certificate Holder's Serial No. \_\_\_\_\_

8. Design conditions \_\_\_\_\_ 2500 \_\_\_\_\_ psi \_\_\_\_\_ 650 \_\_\_\_\_ °F or valve pressure class \_\_\_\_\_ 1700 \_\_\_\_\_ (1)  
(pressure) (temperature)
9. Cold working pressure \_\_\_\_\_ 4080 \_\_\_\_\_ psi at 100°F
10. Hydrostatic test \_\_\_\_\_ 6125 \_\_\_\_\_ psi. Disk differential test pressure \_\_\_\_\_ N/A \_\_\_\_\_ psi
11. Remarks: Qty. 5, Enertech Project Number 520118.  
Yoke Material - SA182 F316, S/Ns: 09-176-1, 09-176-3, 09-176-4, 09-176-6, 09-176-7

**CERTIFICATION OF DESIGN**

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

**CERTIFICATE OF COMPLIANCE**

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

N Certificate of Authorization No. N-2826 Expires October 11, 2011  
 Enertech, A Div. of Curtiss-Wright Flow Control Corp.  
 Date 10/13/09 Name \_\_\_\_\_ Signed [Signature]  
(N Certificate Holder) (authorized representative)

**CERTIFICATE OF INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report on 10/13/09, 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 10/13/09 Signed [Signature] Commissions CA 2081  
(Authorized Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

Form No. 3117

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/05/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200337513  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service 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 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest Mfg.	QAP4-23	N/A	2RCS-46	1982	Removed	Yes
Valve	Enertech	11806	N/A	2RCS-46	2009	Installed	Yes

7. Description of Work Replaced valve and pipe.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks NPV-1 Data Report attached. Previous NIS-2 Data Report Nos: 087, and 041.  
Applicable Manufacturer's Data Reports to be attached  
Replacement 2" Pipe: PO 47244224 / Ht. #38884.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 11, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 1-12- 20 10



11803, 11805  
thru 11808

Certificate Holder's Serial No.

8. Design conditions 2500 (pressure) psi 650 (temperature) °F or valve pressure class 1700 (1)

9. Cold working pressure 4080 psi at 100°F

10. Hydrostatic test 6125 psi. Disk differential test pressure N/A psi

11. Remarks: Qty. 5, Enertech Project Number 520118

Yoke Material - SA182 F316, S/Ns: 09-176-1, 09-176-3, 09-176-4, 09-176-6, 09-176-7

**CERTIFICATION OF DESIGN**

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

**CERTIFICATE OF COMPLIANCE**

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

N Certificate of Authorization No. N-2826 Expires October 11, 2011  
Date 10/13/09 Name Enertech, A Div. of Curtiss-Wright Flow Control Corp. Signed [Signature]  
(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 HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report on 10/13/09, 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 10/13/09 Signed [Signature] Commissions CA 2081  
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 3118

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

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

Date 11/04/09

Sheet 1 of 2

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

Unit No. 2

Work Order #200147365  
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service  
(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 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A

(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	HW1-25	6472	2CHS-184	1975	Removed	Yes
Valve	Enertech	11807	N/A	2CHS-184	2009	Installed	Yes

7. Description of Work Replaced valve & pipe.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Replacement 2" Pipe: PO 45213729 / Ht. #037046.  
Applicable Manufacturer's Data Reports to be attached

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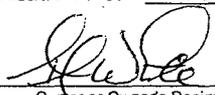
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CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 25, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions IND, PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10



Certificate Holder's Serial No. \_\_\_\_\_

8. Design conditions \_\_\_\_\_ 2500 \_\_\_\_\_ psi \_\_\_\_\_ 650 \_\_\_\_\_ °F or valve pressure class \_\_\_\_\_ 1700 \_\_\_\_\_ (1)

(pressure) (temperature)

9. Cold working pressure \_\_\_\_\_ 4080 \_\_\_\_\_ psi at 100°F

10. Hydrostatic test \_\_\_\_\_ 6125 \_\_\_\_\_ psi. Disk differential test pressure \_\_\_\_\_ N/A \_\_\_\_\_ psi

11. Remarks: Qty. 5, Enertech Project Number 520118

Yoke Material - SA182 F316, S/Ns: 09-176-1, 09-176-3, 09-176-4, 09-176-6, 09-176-7

**CERTIFICATION OF DESIGN**

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

**CERTIFICATE OF COMPLIANCE**

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

N Certificate of Authorization No. \_\_\_\_\_ N-2826 \_\_\_\_\_ Expires \_\_\_\_\_ October 11, 2011 \_\_\_\_\_  
 Enertech, A Div. of Curtiss-Wright Flow Control Corp.  
 Date \_\_\_\_\_ 10/13/09 \_\_\_\_\_ Name \_\_\_\_\_ (N Certificate Holder) \_\_\_\_\_ Signed \_\_\_\_\_ (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 \_\_\_\_\_ HSB CT \_\_\_\_\_ of \_\_\_\_\_ Connecticut \_\_\_\_\_ have inspected the pump, or valve, described in this Data Report on \_\_\_\_\_ 10/13/09 \_\_\_\_\_, 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 \_\_\_\_\_ 10/13/09 \_\_\_\_\_ Signed \_\_\_\_\_ (Authorized Inspector) \_\_\_\_\_ Commissions \_\_\_\_\_ CA 2081 \_\_\_\_\_ (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 3119

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/03/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200322713  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service 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 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest Mfg.	QAP4-8	N/A	2RCS-44	1982	Removed	Yes
Valve	Enertech	11805	N/A	2RCS-44	2009	Installed	Yes

7. Description of Work Replaced valve and pipe.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks NPV-1 Data Report attached. Previous NIS-2 Data Report Nos: 3042, 085, and 040.  
Applicable Manufacturer's Data Reports to be attached  
Replacement 2" Pipe: PO 47244224 / Ht. #038884.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 11, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-08, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I.N. PA2384  
National Board, State, Province, and Endorsements

Date 1-12-, 20 10



11803, 11805  
thru 11808

Certificate Holder's Serial No.

8. Design conditions 2500 psi 650 °F or valve pressure class 1700 (1)  
(pressure) (temperature)

9. Cold working pressure 4080 psi at 100°F

10. Hydrostatic test 6125 psi. Disk differential test pressure N/A psi

11. Remarks: Qty. 5, Enertech Project Number 520118

Yoke Material - SA182 F316, S/Ns: 09-176-1, 09-176-3, 09-176-4, 09-176-6, 09-176-7

**CERTIFICATION OF DESIGN**

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

**CERTIFICATE OF COMPLIANCE**

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

N Certificate of Authorization No. N-2826 Expires October 11, 2011  
Date 10/13/09 Name Enertech, A Div. of Curtiss-Wright Flow Control Corp. Signed [Signature]  
(N Certificate Holder) (authorized representative)

**CERTIFICATE OF INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT of Connecticut have inspected the pump, or valve, described in this Data Report on 10/13/09, 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 10/13/09 Signed [Signature] Commissions CA 2081  
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 3120

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/09/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200349704  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s):

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-53	1978*	Removed	Yes

7. Description of Work Removed valve and capped pipe nipple.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388; 3/4"  
Applicable Manufacturer's Data Reports to be attached  
Pipe: PO 7116897 / Ht. 448980. Serial number of removed valve was not recorded. \*Year  
installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

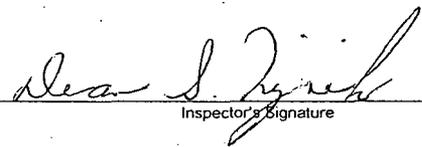
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date January 19, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 1-20, 20 10

Form No. 3121

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/09/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200349700  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s):

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-26	1978*	Removed	Yes

7. Description of Work Removed valve and installed pipe and cap.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

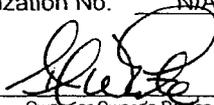
9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388; 3/4"  
Applicable Manufacturer's Data Reports to be attached  
Pipe: PO 7116897 / Ht. 448980. Serial number of removed valve was not recorded. \*Year  
installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 19, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20-, 20 10

Form No. 3122

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/09/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200349701  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W'72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s):

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-12	1978*	Removed	Yes

7. Description of Work Removed valve and installed new pipe and cap.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

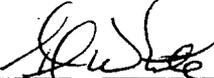
9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388; 3/4"  
Applicable Manufacturer's Data Reports to be attached  
Pipe: PO 7116897 / Ht. 448980. Serial number of removed valve was not recorded. \*Year  
installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 19, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, P 2384  
National Board, State, Province, and Endorsements

Date 1-20-, 20 10

Form No. 3123

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/09/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200349705  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s):

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-58	1978*	Removed	Yes

7. Description of Work Removed valve and installed pipe and cap.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

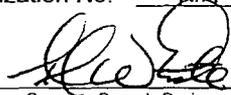
9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388; 3/4"  
Applicable Manufacturer's Data Reports to be attached  
Pipe: PO 7116897 / Ht. 448980. Serial number of removed valve was not recorded. \*Year  
installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

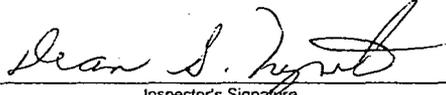
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date January 19, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-08, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20-, 20 10

Form No. 3124

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/09/09  
(NAME)  
76 South Main Street - Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200349703  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-66	1978*	Removed	Yes

7. Description of Work Removed valve and installed pipe and cap.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

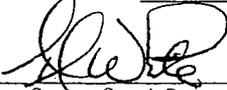
9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388; 3/4"  
Applicable Manufacturer's Data Reports to be attached  
Pipe: PO 7116897 / Ht. 448980. Serial number of removed valve was not recorded. \*Year  
installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 22, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-22-, 20 10

Form No. 3125

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/09/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200349702  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-38	1978*	Removed	Yes

7. Description of Work Removed valve and installed pipe and cap.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

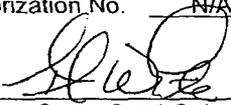
9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388; 3/4"  
Applicable Manufacturer's Data Reports to be attached  
Pipe: PO 7116897 / Ht. 448980. Serial number of removed valve was not recorded. \*Year  
installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

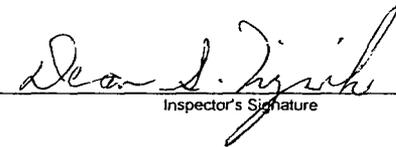
Signed T. White  Staff Specialist Date January 22, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-22-, 20 10

Form No. 3127

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 10/30/2009  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200023408  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W'72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	FAH13-24	N/A	2MSS-165	1981	Removed	Yes

7. Description of Work Removed valve, pipe and elbow and installed cap.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

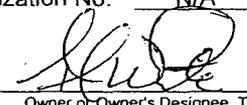
9. Remarks Code Data Report attached. Replacement 1-1/2" pipe Cap: PO 45186379 / Ht. # 9122.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10





Form No. 3130

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/04/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200356255  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s):

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-27	1978*	Removed	Yes

7. Description of Work Removed valve and installed cap.

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

\*Record test pressure and temperature

FORM-NIS-2 (Back)

9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388.  
Applicable Manufacturer's Data Reports to be attached  
Serial number of removed valve was not recorded. \*Year installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 21, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-22-, 20 10

Form No. 3131

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/04/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200356254  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s):

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-13	1978*	Removed	Yes

7. Description of Work Removed valve and capped pipe.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388.

Applicable Manufacturer's Data Reports to be attached

Serial number of removed valve was not recorded. \*Year installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 19, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions INI PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20-, 20 10

Form No. 3132

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/04/09  
(NAME)

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

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

Shippingport, PA 15077 Work Order #200356256  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Type Code Symbol Stamp N/A  
(NAME)

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

Expiration Date "

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A

(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-39	1978*	Removed	Yes

7. Description of Work Removed valve and installed cap.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388.  
Applicable Manufacturer's Data Reports to be attached  
Serial number of removed valve was not recorded. \*Year installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 22, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-22-, 20 10

Form No. 3133

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/04/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200356258  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s):

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-54	1978*	Removed	Yes

7. Description of Work Removed valve and capped pipe.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388.

Applicable Manufacturer's Data Reports to be attached

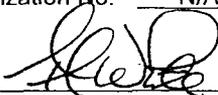
Serial number of removed valve was not recorded. \*Year installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 19, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20-, 20 10

Form No. 3134

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/04/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200356257  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-67	1978*	Removed	Yes

7. Description of Work Removed valve and installed cap.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks No Data Report available. Replacement 3/4" pipe Cap: PO 45310710 / Ht. # 421388.

Applicable Manufacturer's Data Reports to be attached

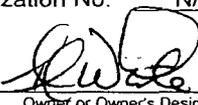
Serial number of removed valve was not recorded. \*Year installed.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 22, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 1-22-, 20 10

Form No. 3137

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/11/09  
(NAME)

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

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

Shippingport, PA 15077 Work Order #200338916  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service Type Code Symbol Stamp N/A  
(NAME)

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

Expiration Date "

4. Identification of System Containment Depressurization (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A

(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe	Schneider Power	2-SR-13-03-QSS	N/A	2-QSS-002-236-2	1987	Corrected	Yes

7. Description of Work Installed a plate to blank off system.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks N-5 Code Data Report, not attached. Blank plate 1 1/4": P0 45317573 / Ht. #46Y3.  
Applicable Manufacturer's Data Report to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

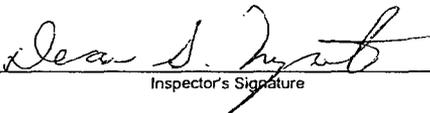
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date January 29, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 2-1-, 20 10

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/10/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 3  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200338915  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Containment Depressurization (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe	Schneider Power	2-SR-13-03-QSS	N/A	2-QSS-002-217-2	1987	Corrected	Yes
Pipe	Schneider Power	2-SR-13-03-QSS	N/A	2-QSS-002-234-2	1987	Corrected	Yes
Check Valve	Velan	830167-4	N/A	2QSS-303	1983	Removed	Yes
Check Valve	Atwood & Morrill	1-13540-19	N/A	2QSS-267	1983	Removed	Yes

7. Description of Work Removed valves, sections of pipe, and installed pipe caps.

8. Tests Conducted: Hydrostatic\*  Pneumatic\*  Nominal Operating Pressure  Exempt   
 Other  Pressure 49 psi Test Temp. Amb °F

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Reports attached. Replacement 2" pipe Caps: PO 4530224 / Ht. #245216  
Applicable Manufacturer's Data Reports to be attached  
Pipeline 2-QSS-002-234-2 received the Nominal Operating Pressure System Leakage Test, while  
2-QSS-002-217-2 received the Pneumatic Test.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 29, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, I PA2384  
National Board, State, Province, and Endorsements

Date 1-29-, 20 10

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

530167

1. Manufactured by VELAN INC., 2125 WARD AVENUE, MONTREAL, QUEBEC, CANADA.  
(Name and Address of Manufacturer)  
 2. Manufactured for: DUQUESNE LIGHT COMPANY, 435 - 6TH AVE., P.G.H., PA 15219  
(Name and Address of Purchaser or Owner)  
 3. Location of Installation: BEAVER VALLEY POWER STATION, SHIPPING POPT, P.A. UNIT 2  
(Name and Address)  
 4. Pump or Valve BB PIST CHECK #150 CLASS VALVE Nominal Inlet Size 2 (inch) Outlet Size 2 (inch) QTY: 4

	(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)	WOP-0034B-13MS	830167-1 TO	N/A	P1-2769-N-1	2	N/A	1983
(2)		830167-4		REV: E			
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. N/A  
(Brief description of service for which equipment was designed)

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

7. Cold Working Pressure 275 psi at 100°F.

8. Pressure Retaining Pieces

Part No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
	N/A		
<b>(b) Forgings</b>			
BODY	SA-182 F 316	FORJEX	HEAT CODE: FJ ✓
COVER	SA-182 F 316	FORJEX	HEAT CODE: DO ✓
COVER	SA-182 F 316	FORJEX	HEAT CODE: DA ✓

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

Part No.	Material Spec. No.	Manufacturer	Remarks
	SA-193 GR. B6 ✓	ALUMETAL	
	SA-194 GR. E ✓	ROBSON	
id. Other Parts			
DISC	SA-479 S/S 316 ✓	FIRTH VICKERS SS	HEAT CODE: S 746

3. 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.

Address SOVER 72 Code Case No. \_\_\_\_\_ Date \_\_\_\_\_

Signed VELAN INC. by [Signature] FEB 18 83  
(Manufacturer)

Our ASME Certificate of Authorization No. 1738 to use the N symbol expires May 3, 1983.  
(N) (NPV) (Date)

**CERTIFICATION OF DESIGN**

Design information on file at VELAN INC.

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

Design specifications certified by (1): PARK A. GOPALANI

PE State PA Reg. No. 21966-E

Stress analysis certified by N/A

PE State PA 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 of Province of Ontario and employed by HPC

of [Signature] have inspected the pump, or valve, described in this Data Report on APR 6 11 1983 and state that to the best of my knowledge and belief, the Manufacturer has constructed the pump, or valve, in accordance with the ASME Code, Section III.

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

Date APR 11 1983

[Signature] Commission (Nat'l Bd., State, Prov. and No.)



Item No.	Material Spec. No.	Manufacturer	Remarks
<i>(b) Bolting</i>			
Cover Studs	SA 193 B8 C1.2	Ronson Manufacturing Inc.	Ht. # A10143 Trace # 11W
Cover Nuts	SA 194 Gr. 8	Ronson Mfg., Inc.	Ht. # A11017 Trace # W87
Stuff. Box Studs	SA 193 B8 C1.2	Ronson Mfg., Inc.	Ht. # A7805 Trace # W84
Stuff. Box Nuts	SA 194 Gr. 8	Ronson Mfg., Inc.	Ht. # A11017 Trace # W87
<i>(d) Other Parts</i>			
Cover	SA 240 Gr. 304	Mills Alloy Steel	Ht. # 13153
Stuff. Box Cover	SA 240 Gr. 304	Mills Alloy Steel	Ht. # 12684W

9. Hydrostatic test 450 psi. Disk Differential test pressure 300 psi.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1974 Addenda Summer 1974 Code Case No. N/A Date N/A  
 Signed Atwood & Morrill Co., Inc. by [Signature] P.A. H. G. R. 9/16/83  
 (If Certificate Holder)  
 Our ASME Certificate of Authorization No. N-2602 to use the N symbol expires 6-13-86  
 (Date)

**CERTIFICATION OF DESIGN**

Design information on file at Stone & Webster  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) Walter J. Parker, Jr.  
 PE State PA Reg. No. 29003-F  
 Stress analysis certified by (1) N/A  
 PE State 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 Massachusetts and employed by H.S.B.L. & J. Co. of Hartford, CT have inspected the pump, or valve, described in this Data Report on 9-19 1983, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.  
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 9-19 1983  
[Signature] (Inspector) Commissions MA1318  
 (Not to be signed by State, Prov. and No.)

Form No. 3167

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/13/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200148982  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service 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 1974 Edition, S'76 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Butterfly Valve	Fisher Controls	59204-1A	N/A	2SWS-MOV107A	1992	Removed	Yes
Butterfly Valve	Fisher Controls	19029363	7578	2SWS-MOV107A	2009	Installed	Yes

7. Description of Work Replaced valve and flange screws

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks NPV-1 Code Data Report attached: Previous NIS-2 Data Report No: 380. Replacement  
Applicable Manufacturer's Data Reports to be attached  
1-1/4" Screws: PO 45311238 / Ht. #3G84.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 13, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean J. Lynch  Commissions NB 9428 ANIB PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-13-, 20 10



Certificate Holder's Serial No. 19029363

8. Design conditions 150 psi 120 °F or valve pressure class N/A (1)  
 (pressure) (temperature)
9. Cold working pressure 275 psi at 100°F
10. Hydrostatic test 450 psi. Disk differential test pressure N/A psi
11. Remarks: DESIGN: ASME BPVC SECT. III, DIV. 1, 1974 EDITION, S 1976 ADDENDA, CLASS: 3  
OTHER: ASME BPVC SECT. III, DIV. 1, 1989 EDITION, NO ADDENDA, CLASS: 3

CERTIFICATION OF DESIGN

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

CERTIFICATE OF 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. 1929 Expires 10-27-2010  
 Date 9-21-09 Name FISHER CONTROLS INT'L LLC Signed Pamela Weyen  
 (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 Iowa  
 and employed by Hartford Steam Boiler of CT of Hartford, CT  
 have inspected the pump, or valve, described in this Data Report 9-21-09 and state that to the best of my knowledge and  
 on belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9-21-09 Signed Kent Cochran Commissions NB 7881 NBA 822 IA.  
 (Authorized Inspector) (Nat'l. Bd. (include endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 3168

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/13/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200148983  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service 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 1974 Edition, S'76 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Butterfly Valve	Fisher Controls	59204-1B	N/A	2SWS-MOV107B	1992	Removed	Yes
Butterfly Valve	Fisher Controls	19029600	7577	2SWS-MOV107B	2009	Installed	Yes

7. Description of Work Replaced valve and flange screws

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

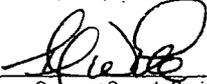
9. Remarks NPV-1 Code Data Report attached. Previous NIS-2 Data Report No: 382. Replacement  
Applicable Manufacturer's Data Reports to be attached  
1-1/4" Screws: PO 45318681 / Ht. #3P79, Ht. #E123, Ht. #3P80.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 13, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions NB9428ANIB PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-13-, 20 10



Certificate Holder's Serial No. 19029600

8. Design conditions 150 psi 120 °F or valve pressure class N/A (1)  
 (pressure) (temperature)
9. Cold working pressure 275 psi at 100°F
10. Hydrostatic test 450 psi. Disk differential test pressure N/A psi
11. Remarks: DESIGN: ASME BPVC SECT. III, DIV. 1, 1974 EDITION, S 1976 ADDENDA, CLASS: 3  
OTHER: ASME BPVC SECT. III, DIV. 1, 1989 EDITION, NO ADDENDA, CLASS: 3

CERTIFICATION OF DESIGN

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

CERTIFICATE OF 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. 1929 Expires 10-27-2010

Date 9-21-09 Name FISHER CONTROLS INT'L LLC Signed Renee Wyen  
 (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 of Iowa  
 Province of \_\_\_\_\_  
 and employed by Hartford Steam Boiler of CT of Hartford, CT  
 have inspected the pump, or valve, described in this Data Report 9-21-09 and state that to the best of my knowledge and  
 on \_\_\_\_\_  
 belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 9-21-09 Signed Kert Cochran Commissions NB 7881 NBA 822 IA.  
 (Authorized Inspector) (Nat'l. Bd. (include endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 3170

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C. Date 11/11/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200326364  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS-Construction Service 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 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001-2003  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Globe Valve	BW/IP International	95EP0225	N/A	2RCS-633	1995	Removed	Yes

7. Description of Work Removed valve and installed pipe & couplings.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached to previous NIS-2 Data Report #753. Replacement 2" Pipe:  
PO 45213729 / Ht. #037046; 2" Couplings: PO 45313563 / Ht. #247689.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 11, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I. N. PA 2384  
National Board, State, Province, and Endorsements

Date 1-11-, 20 10

Form No. 3171

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 12/28/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200326360  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS-Construction Service 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 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001-2003  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Globe Valve	Kerotest	HW1-21	6471	2RCS-634	1975	Removed	Yes

7. Description of Work Removed valve and installed pipe & couplings.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Replacement 2" Pipe: PO 45213729 / Ht. #037046; 2" Couplings: PO 45313563 / Ht. #247689, PO 7086304 / Ht. #XAN TR #17847.  
Applicable Manufacturer's Data Reports to be attached

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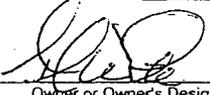
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CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 27, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Zydek  Commissions NB 9428 ANIS PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10



FORM NPV-1 (back)

Part No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			
Disc #1-9900-2-(1)	SAK79 Type 316	Carpenter	Mat'l Code 10
Flange #1-9900-3-(1)	"	Joslyn	" 11

2. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at Kerotest Manufacturing Corp  
 Stress analysis report on file at Kerotest Manufacturing Corp  
 Design specifications certified by Kenneth Deluse (1) Prof. Eng. State Pa. Reg. No. 17126E  
 Stress analysis report certified by S. J. Caroleo (1) Prof. Eng. State Pa. Reg. No. 02714E  
 (1) Signature not required. List name only.

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

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

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 May 16 19 75 and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable 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 26 19 75

E. Senelick  
 (Inspector)

Commissions NB4207  
 (National Board, State, Province and No.)

Form No. 3173

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/22/2010  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 3  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200339308  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Fire Protection (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W'72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve	Atwood-Morrill	20-13540	N/A	2FPW-382	1980	Removed	Yes
Pipe	Schneider Power	2-SR-33-02-FPW-1	N/A	2-FPW-002-007-2	1986	Corrected	Yes
Pipe	Schneider Power	2-SR-33-02-FPW-1	N/A	2-FPW-025-005-2	1986	Removed	Yes
Penetration	Pittsburgh-Des Moines Steel	13691-117	979	X-117	1978	Corrected	Yes

7. Description of Work Cut/cap pipe and remove portions including valve.

8. Tests Conducted: Hydrostatic\*  Pneumatic\*  Nominal Operating Pressure  Exempt   
 Other  Pressure 46 psi Test Temp. Amb °F

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Replacement 2" Caps: PO 7077508 / Ht. #AY7W1.  
Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

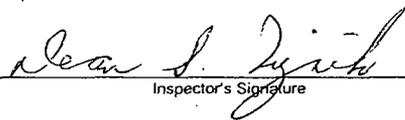
Signed T. White  Staff Specialist Date January 25, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Zwick  Commissions I, N, P 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

**FORM N-5 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT  
COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\***  
As Required by the Provisions of the A.W.E. Code Rules, Section III, Division 1

1. Installed by Pittsburgh-Des Moines Corporation, Pittsburgh, PA  
(Name and address of installer of component, component supports or appurtenances)
2. Installed for Duquesne Light Company, Pittsburgh, PA  
(Name and address of purchaser or owner)
3. N Certificate Holder Having Overall Responsibility Stone & Webster Engineering Corp.
4. Location of Installation Beaver Valley Unit No. 2, Shippingport, PA
5. System Identification 13691-117 E36 Nat'l Bd. No. 979 Year installed 1981  
(Ref. Serial No.) (CRN) (Drawing No.)
6. Nuclear Components and Appurtenances Installed in the Field by Welding (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holders' Partial Data Reports)

(a) Components, or Appurtenances	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
NA					

**Piping System Installation**

(a) Piping Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
NA					

**Component Support Installation**

(a) Component Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Report. Load Capac. Data Sheet	(e) Canadian Reg. No.	(f) National Bd. No.	(g) Year Built
NA						

**Additional Material Excluding Welding Material**

(a) Name of Manufacturer	(b) Material Specification	(c) Dimensions
NA		

\*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 5 on this Data 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.

7. (a) Installation in Accordance with:

Procedure or Drawing No. <u>Drawing E36</u> <u>Drawing 78</u>   	Prepared by <u>A. J. McCormick</u> <u>C. J. Homich</u>   
---	--

(b) Description of Installation Performed.

Pipe field hydrotested in accordance with ASME Code Case N-32-3 and PDM procedure CHT-5, Rev. E. See NPP-1 form for shop fabrication certification.

(c) Hydrostatic Test 240 psi. System Working Pressure 150 psi and Temp. 34-88 F.

**CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION**

Design information on file at Stone & Webster Engineering Co., Boston, MA  
 Design Report on file at \_\_\_\_\_  
 Design specifications certified by (1) Owen W. Lowe, Jr. PE State Pennsylvania  
 Reg. No. 25882-E  
 Design Report certified by (1) \_\_\_\_\_ PE State \_\_\_\_\_  
 Reg. No. \_\_\_\_\_  
 (1) Signature not required. List name only.  
 Design Conditions of Piping 150 psi 34-88 F.  
Pressure Temperature

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, 1971 Edition, Addenda W72 (Date), Code Case No. - Class 2 and was performed in accordance with the documents listed in 6(a), above.  
 Date 4-7-82 Signed PDM Corp. by [Signature]  
 Our ASME Certificate of Authorization No. N-1493-7 to use the NA Symbol expires 1-18-1983  
(N. P.A.) (Date)

**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 PA and employed by [Signature] of Robert Wood, Mass have inspected the piping described in this Data Report on 4/7 1982 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has constructed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
 By signing this certificate, neither the Inspector nor his employer make any warranty, express or implied, concerning the piping described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 4/7 1982  
 Signed [Signature] (Inspector) Commissions NB 8471 PA 2266  
(Natl Board, State, Province and No.)

Following completion of the above, the Certificate of Authorization holder accepting overall responsibility for the system shall complete the following statement.

We certify the statements made by this report are correct and that the system conforms to the rules of construction of the ASME Code Section III, Division 1.  
 Date 12-1-86 Signed Stone & Webster Engr. Corp. By [Signature]  
(N Certificate Holder)  
 Certificate of Authorization Expires 6-18-88  
 Certificate of Authorization No. N-1513-2

Factory Mutual System - Ackwright-Boston  
 Manufacturer's Mutual Insurance Company.

1. Installed by Pittsburgh-Des Moines Corporation, Pittsburgh, PA
2. Installed for Duquesne Light Company, Pittsburgh, PA
3. N Certificate Holder Having Overall Responsibility Stone & Webster Engineering Corp.
4. Location of Installation Beaver Valley Unit No. 2, Shippingport, PA
5. System Identification 13691-117 Dwg. E36 Nat'l Board No. 979 Year Installed 1981

This letter of certification serves as a supplement to the N-5 Data Report for Penetration No. 117, National Board No. 979.

This penetration was initially hydrotested in accordance with Code Case N-32-3. We hereby further certify that this hydrostatic test, performed in accordance with PDM Procedure CRT-5, also complies with Code Case N-32-4 which the owner approved.

Martin M. Offner 7-11-86  
PDM Project Engineer/Date

John R. [Signature] 7/11/86  
PDM AAI/Date

Form No. 3174

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

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

Date 11/06/09  
Sheet 1 of 2

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

Unit No. 2  
Work Order #200370411  
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service  
(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 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe	Power Piping	N-1141-3564	N/A	2-SWS-012-185-3	1979	Corrected	Yes

7. Description of Work Cut out portion of pipe and replaced.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Replacement 12" Pipe: PO 45205163 / Ht. #A81517.

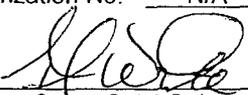
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

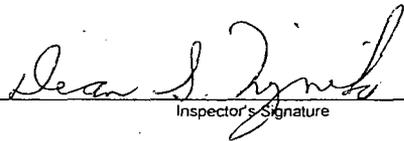
Signed T. White  Staff Specialist Date January 25, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions ENR PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

FORM NPP-1 DATA REPORT FOR FABRICATED NUCLEAR PIPING SUBASSEMBLIES  
 As Required by the Provisions of the ASME Code Rules, Section III, Div. 1 N-1141-3564

1. Fabricated by Power Piping Company, Donora, PA 15033 Order No. N-1141  
 2. Fabricated for Beaver Valley Power Station, Unit #2 Order No. 2BV-58, J.O. No. 12241  
 3. Owner Duquesne Light Company, Pittsburgh, PA 4. Location of Plant Shippingport Borough, PA  
 5. Piping System Identification Service Water MK SWS-185-14/1099-185-33 150-109914  
(Brief description of intended use, main code, etc.)  
 (a) Drawing No. RP-99 A, B, & E Prepared by Stone & Webster Engineering Corp.  
 (b) National Board No. N/A Boston, Massachusetts  
 6. The material, design, construction, and workmanship complies with ASME Code Section III, Class 3  
 Edition 1971 Addenda Date Winter 1972 Case No. N/A  
 Remarks: Manufacturers' Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report \_\_\_\_\_  
(Name of Part - Item number, Manufacturer's name, and identifying stamp)  
 7. Shop Hydrostatic Test By Field \_\_\_\_\_ psi  
 8. Description of piping inspected \_\_\_\_\_  
(include - mark no. - material spec. - nominal pipe size - schedule or thickness - length - fittings - flanges, etc.)

1 Pc. - 12" Std. Wt. Smis. C.S. Pipe, SA-106, Gr. B; Item No. 3, L.C. No. P-958, Ht. ID L-62406, Dev. Lgth. = 15'-1 3/4" lg.,

NOTE: Welding Electrodes L.C. No. E-16, E-57, E-68

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 November 27, 1979 Signed Power Piping Company By David J. Laneve  
 Certificate of Authorization Expires January 7, 1980 Certificate of Authorization No. N-1623

CERTIFICATE OF SHOP INSPECTION

N-1141-3564

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 HARTFORD STEAM BOILER INSPECTION & INSURANCE COMPANY of HARTFORD, CONN. have inspected the piping described in this Data Report on 12/4/79, 19\_\_\_\_, 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 makes 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.

Date 12/4/79 19\_\_\_\_  
Michael R. Goubeck Commissions PA 2187  
(Inspector) National Board, State, Province and No.

Form No. 3175

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 12/28/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 3  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200339309  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Fire Protection (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W'72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve	Atwood-Morrill	22-13540	N/A	2FPW-388	1980	Removed	Yes
Pipe	Schneider Power	2-SR-33-02-FPW-2	N/A	2-FPW-002-002-2	1987	Corrected	Yes
Pipe	Schneider Power	2-SR-33-02-FPW-2	N/A	2-FPW-025-004-2	1987	Removed	Yes
Penetration	Pittsburgh-Des Moines Steel	13691-116	978	X-116	1977	Corrected	Yes

7. Description of Work: Cut/cap pipe and remove portions including valve.

8. Tests Conducted: Hydrostatic\*  Pneumatic\*  Nominal Operating Pressure  Exempt   
 Other  Pressure 46 psi Test Temp. Amb °F

\*Record test pressure and temperature.

FORM NIS-2 (Back)

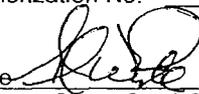
9. Remarks Previous NIS-2 Data Report No: 532. Replacement 2" Cap: PO 7077508 / Ht. #AY7W1,  
and PO D166317 / Ht. #9182.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 25, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

**FORM N-5 DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, COMPONENT SUPPORTS, AND APPURTENANCES\***

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

1. Installed by Pittsburgh-Des Moines Corporation, Pittsburgh, PA  
(Name and address of installer of component, component supports or appurtenances)
2. Installed for Duquesne Light Company, Pittsburgh, PA  
(Name and address of purchaser or owner)
3. N Certificate Holder Having Overall Responsibility Stone & Webster Engineering Corp.
4. Location of Installation Beaver Valley Unit No. 2, Shippingport, PA
5. System Identification 13691-116 K36 Nat'l Bd. No. 978 Year Installed 1981  
(Mfr. Serial No.) (ICRN) (Drawing No.)

6. Nuclear Components and Appurtenances Installed in the Field by Welding (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holders' Partial Data Reports)

(a) Components or Appurtenances	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
NA					

**Piping System Installation**

(a) Piping Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) Canadian Reg. No.	(e) National Bd. No.	(f) Year Built
NA					

**Component Support Installation**

(a) Component Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Report Load Capac. Data Sheet	(e) Canadian Reg. No.	(f) National Bd. No.	(g) Year Built
NA						

**Additional Material Excluding Welding Material**

(a) Name of Manufacturer	(b) Material Specification	(c) Dimensions
NA		

\*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 5 on this Data 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.

7. (a) Installation in Accordance with:

Procedure or Drawing No  
Drawing E36  
Drawing 78

Prepared by  
L. J. McCormick  
C. J. Homich

(b) Description of Installation Performed

Pipe field hydrotested in accordance with ASME Code Case N-32-3 and PDM procedure CHT-5, Rev. B. See NPP-1 form for shop fabrication certification.

(c) Hydrostatic Test 245 psi. System Working Pressure 150 psi and Temp. 34-88 F.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM INSTALLATION

Design information on file at Stone & Webster Engineering Co., Boston, MA  
Design Report on file at \_\_\_\_\_  
Design specifications certified by (1) Owen W. Lowe, Jr. PE State Pennsylvania  
Reg. No. 25882-E  
Design Report certified by (1) \_\_\_\_\_ PE State \_\_\_\_\_  
Reg. No. \_\_\_\_\_  
(1) Signature not required. List name only.  
Design Conditions of Piping 150 psi 34-88 F.  
Pressure Temperature

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Division 1, 1971 Edition, Addenda W72 Code Case No. - Class 2 and was performed in accordance with the documents listed in (f), above.  
Date 4-7-82 Signed PDM CORP. by J. E. Haller  
Our ASME Certificate of Authorization No. N-1493-7 to use the NA Symbol expires 1-18-1983  
(N, NA) (Date)

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 PA and employed by \* of Richard Mott have inspected the piping described in this Data Report on 4/2/82 and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has constructed this installation in accordance with the ASME Code for Nuclear Power Plant Components.  
By signing this certificate, neither the Inspector nor his employer make any warranty, express or implied, concerning the piping described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
Date 4/7/82  
Signed [Signature] (Inspector) Commissions RB 8441 PC 2266  
(Nat'l Board, State, Province and No.)

Following completion of the above, the Certificate of Authorization holder accepting overall responsibility for the system shall complete the following statement.

We certify the statements made by this report are correct and that the system conforms to the rules of construction of the ASME Code Section III, Division 1.  
Date 10-1-86 Signed Stone & Webster Engr. Corp. By [Signature]  
(N Certificate Holder)  
Certificate of Authorization Expires 6-18-88  
Certificate of Authorization No. N-1513-2

\* Factory Mutual System - Arkwright-Boston  
Manufacturer's Insurance Company

1. Installed by Pittsburgh-Des Moines Corporation, Pittsburgh, PA
2. Installed for Duquesne Light Company, Pittsburgh, PA
3. N Certificate Holder Having Overall Responsibility Stone & Webster Engineering Corp.
4. Location of Installation Beaver Valley Unit No. 2, Shippingport, PA
5. System Identification 1369i-116 Dwg. E36 Nat'l Board No. 978 Year Installed 1981

This letter of certification serves as a supplement to the N-5 Data Report for Penetration No. 116, National Board No. 978.

This penetration was initially hydrotested in accordance with Code Case N-32-3. We hereby further certify that this hydrostatic test, performed in accordance with PDM Procedure GHT-5, also complies with Code Case N-32-4 which the owner approved.

Martin M. Coffey 7-11-81  
PDM Project Engineer/Date

W. R. Smith 7/10/81  
PDM ANI/Date

Form No. 3185 Rev. 1

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

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

Date 11/05/09

Sheet 1 of 2

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

Unit No. 2

Work Order #200359393  
Repair/Replacement 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 "

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A

(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Kerotest	---	---	2RCS-59	1978*	Removed	Yes
Valve	Velan	051049-1	N/A	2RCS-59	2006	Installed	Yes

7. Description of Work Replaced valve with spare.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Serial number of removed valve was not recorded. \*Year  
installed.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 27, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions I, P, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-29-, 20 10



Certificate Holder's Serial No. 051049

8. Design conditions 4152 psi 100 °F or valve pressure class 1730 (1)  
 (pressure) (temperature)
9. Cold working pressure 4152 psi at 100°F
10. Hydrostatic test 6250 psi. Disk differential test pressure 4575 psi
11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1995 ADDENDA: 1996

CERTIFICATE OF DESIGN

Design Specification certified by Francis Gardner P.E. State PA Reg. no. 036614-E  
 Design report certified by S. ISBITSKY P.E. State QUE 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. N-2797-1 Expires APR 20, 2007

Date FEB 21 2006 Name VELAN INC. Signed Colby O'Donnell  
 (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 of QUEBEC have inspected the pump, or valve, described in this Data Report on March 13/2006, 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 06/03/13 signed [Signature] Commissions QUEBEC REGIE DU BATIMENT QC #8714  
 (Authorized Inspector) (Nat'l Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

Form No. 3188

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 10/26/09  
(NAME)

76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

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

Shippingport, PA 15077 Work Order #200382345  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service 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 1971 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A

(c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe	Schneider Power	2-SWS-120799-1	N/A	2-SWS-006-064-3	1984	Corrected	Yes

7. Description of Work Replaced section of pipe.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Original Code Data Report attached. Replacement 6" NPS Pipe: PO 45312493 / Ht. #  
C68250.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 11, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 1-11-, 20 10

Form No. 3192

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/06/2009  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200336968  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Residual Heat Removal (Class 2)

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, 1567 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001-2003  
 (c) Applicable Section XI Code Case(s):

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Heat Exchanger	Atlas Industrial Mfg.	3484	2854	2RHS-E21B	1978	Corrected	Yes

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached to NIS-2 #1132. Replaced 1-1/8" Stud: PO 45243289, Ht. #  
Applicable Manufacturer's Data Reports to be attached  
59412 / TRC #0Z84; Nut: PO 47043141, Ht. #223469 / TRC #J858.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 5, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Jurek  Inspector's Signature Commissions NB9428 ANIB PA2384  
National Board, State, Province, and Endorsements

Date 1-6-, 20 10

Form No. 3194

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/14/10  
(NAME)  
76 South Main Street - Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200331068  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Service Water (Class 3)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
(c) Applicable Section XI Code Case(s):

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Henry Pratt	D-0014-4-2	N/A	2SWE-MOV116B	1978	Corrected	Yes

7. Description of Work Replaced flange screws, taper pins and nuts.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached. Replacement 1-1/4" Screws: PO 47181824 / Ht. #1C34,  
Applicable Manufacturer's Data Reports to be attached  
PO 45211642 / Ht. #7CV, PO 47250471 / Ht. #3M26, PO 47167866 / Ht. #QQT, PO 7083355 / Ht.  
#QQX, PO 47084840 / Ht. #QQT. Replacement Taper Pins: PO 7066665 / Ht. #52872/08352.  
Replacement Taper Pin Nuts: PO 45204136 / Ht. #BJT.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date February 01, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 2-1-, 20 10

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 **CORRECTED FORM**

1. Manufactured by Henry Pratt Co. 900 Depot Ave. Dixon, IL 61021 **CORRECTED COPY\*\***  
(Name and Address of N Certificate Holder) ~~150psi Should be 175 psi~~  
 2. Manufactured for Beaver Valley Power Station Unit #2 Duquesne Light Company **REV #2**  
(Name and Address of Purchaser or Owner) **Should be**  
 3. Location of Installation Pittsburgh, Penn. Shippingport, Penn **REV #3 &**  
(Name and Address) **Hex Nut**  
 4. Pump or Valve Valve Nominal Inlet Size 30 Outlet Size 30 **BS Should**  
(inch) (inch) **be 8M**

(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
1100 Series	D-0014 -4-2	N/A	C-4485 Rev-2	3	N/A	1978
(1) <u>Duquesne Light Company</u> (2) <u>Beaver Valley Power Station - Unit 2</u> (3) <u>Stone &amp; Webster Engineering Corp.</u> (4) <u>Purchase Order #28V-76</u> (5) <u>Butterfly Valve</u> (6) <u>Tag No. 2 SWE#MOV 116B</u> (7) <u>Manufactured by Henry Pratt Co.</u> (8) <u>401 S. Highland Ave.</u> (9) <u>Aurora, IL 60507</u>						

5. Fresh Water System  
(Brief description of service for which equipment was designed)  
30" 1100 Series w/SMB025 / H48C

6. Design Conditions 153\*\* psi 88 °F or Valve Pressure Class 150 (1)  
(Pressure) (Temperature)  
 7. Cold Working Pressure 275 psi at 100°F.  
 8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
Disc S/N F-1973-16	SA 216 GR. WCB	Quaker Alloy	HT# F-1973 ✓
<b>(b) Forgings</b>			
Top Shaft	SA 564 Typ. 630 1150°F Cond.	Cartech	HT# 16963 ✓
Bottom Shaft	SA 564 Typ. 630 1150°F Cond.	Cartech	HT# 16963 ✓

(1) For manually operated valves only.

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

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(c) Bolting</b>			
Bottom Cover Bolt	SA 193 GR. B7	Eric Bolt Corp.	
Taper Pin			
Code CC	SA 564 Typ. 630	Carrtech	HT# 73773
Hex Nut	SA 194 GR. B8 **	Jos. Dyson & Son Inc.	
<b>(d) Other Parts</b>			
Body Shell			
S/N 1125138 PO- 5	SA 516 GR. 70	Beth. Steel	HT# B02ES6050
Bottom Cover Plate	SA 516 GR. 70	Beth. Steel	HT# B01X1B090
S/N 1124914 PO- 5			
Bottom Cover			
S/N 1124937 PO- 5	SA 516 GR. 70	Beth. Steel	HT# B01X21230

9. Hydraulic test 425 psi. Disk Differential test pressure N/A 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. 1702 & 1516.2 Date E. B. 78  
 Signed Henry Pratt Company by [Signature]  
 (IN Certificate Holder)  
 Our ASME Certificate of Authorization No. N-1030 to use the (N) symbol expires May 5, 1981  
 (Date)

**CERTIFICATION OF DESIGN**

Design information on file at Henry Pratt Co. 401 S. Highland Ave. Aurora, IL 60507  
 Stress analysis report (Class 3 only) on file at N/A  
 Design specifications certified by (1) Carl Otto Richardson  
 PE State PA Reg. No. 16297-E  
 Stress analysis certified by (1) N/A  
 PE State 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 Illinois & PA and employed by H.S.B.I. & I. CO.  
 of Hartford, Connecticut have inspected the pump, or valve, described in this Data Report on 8-E 1978, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.  
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date 8-E 1978

Form No. 3195

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/09/09  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200336052  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Chemical and Volume Control (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001-2003  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Relief Valve	Crosby Valve	N56900-00-0034	NB-209	2CHS-RV382B	1976	Corrected	Yes
Spindle Assy.	Crosby Valve	N88669-38-0071	N/A	N/A	1976	Removed	No
Spindle Assy.	Anderson Greenwood Crosby	N88669-69-0246	N/A	Ht. #528255	2003	Installed	No

7. Description of Work Replaced valve spindle assembly.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Previous NIS-2 Data Report Nos: 1786, 1528, and 513. Original Data Report attached to NIS-2 No.1528.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White [Signature] Staff Specialist Date January 13, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 9428 ANIB PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-20-, 20 10

Form No. 3198

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner FENOC  
(NAME)  
76 South Main Street – Akron, OH 44308  
(ADDRESS)

Date 01/25/10

Sheet 1 of 2

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

Unit No. 2

Order # 200352079  
Repair/Replacement Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date "

4. Identification of System \_\_\_\_\_

5. (a) Applicable Construction Code ASME Section III 1971 Edition, W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: 2001-2003

(c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	ITT Grinnell	74-10817-9-3	WR1881	2CHS-579	1976	Corrected	Installed

7. Description of Work Rebuilt diaphragm valve.

8. Tests Conducted: Hydrostatic\*  Pneumatic\*  Nominal Operating Pressure  Exempt   
 Other  Pressure        psj Test Temp.        °F

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks No Previous NIS-2. Bolting PO/HT#'s Stud: 45310196/3G26 Nut: 7118859/500822

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Justin Sciuili  Date January 25, 2010  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions NB 9428 A NIB PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27- 2010

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

As Required by the Provisions of the ASME Code Rules

1. Manufactured by ITT Grinnell Corp., Wrightsville, Pa. Order No. 74-10817-9  
(Name & Address of Manufacturer)
2. Manufactured for Westinghouse Elec. Corp., Pgh. Order No. 546-CCA-191013-BN  
(Name and Address)
3. Owner Duquesne Light Company DMU
4. Location of Plant Beaver Valley No. 2 Shippingport, Pa.
5. Pump or Valve Identification 2" ITT Grinnell Diaph. Valve HWQ W/TS

(Brief description of service for which equipment was designed)

(a) Drawing No. SDC-102875 Rev. A Prepared by J.W. Bailey, Jr.

(b) National Board No. WR 1879 thru WR 1883

6. Design Conditions 300 psi 150 °F  
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 2

Edition 1971, Addenda Date Summer 1972, Case No. 1540-1

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>74-10817-9 1 thru 5</u>			
<u>Body</u>	<u>ASME SA 351</u>	<u>Post Precision</u>	<u>CFS</u>
<u>74-10817-9 1 thru 5</u>			
<u>Ben</u>	<u>ASME SA 351</u>	<u>Investment Castg</u>	<u>CFS</u>
(b) Forgings			

\*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, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

FORM NPV-1 (back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
74-10817-9 1 thru 5			
Studs	ASME SA 453	Plainville Mfg	Gr. 660
74-10817-9 1 thru 5			
Nuts	ASME SA 193	Victor Prod	Gr. B6
(d) Other Parts			
Diaph. Grade M	--	Rogers Corp.	EPT Nordel

8. Hydrostatic test 450 psi.

CERTIFICATION OF DESIGN

Design information on file at ITT Grinnell Corp., Providence, R.I.  
 Stress analysis report on file at " " " " " "  
 Design specifications certified by Louis J. Malandra (I) Prof. Eng. State Pa. Reg. No. 13868-E  
 Stress analysis report certified by " " " " " " (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 7/7 19 76 Signed ITT Grinnell Corp. By [Signature]  
 (Manufacturer)

Certificate of Authorization No. N-865 expires 9/9/77

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 Pa. and employed by Hartford Stm Blr I&I Co of Hartford, Conn. have inspected the equipment described in this Data Report on 7-8 19 76, 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 7-8 19 76

R A Wardrop  
 (Inspector)

Commissions NB 5586  
 (National Board, State, Province and No.)

Form No. 3199

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/13/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200335450  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Service 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 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve	Henry Pratt	A-0027-8-2	N/A	2SWS-MOV103B	1978	Removed	Yes
Valve	Henry Pratt	D-0152-10-1	N/A	2SWS-MOV103B	1980	Installed	Yes

7. Description of Work Replaced valve and 1-1/4" screws.

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

\*Record test pressure and temperature

FORM-NIS-2 (Back)

9. Remarks NPV-1 Data Report attached. Replacement 1-1/4" Screws: PO 4531128 / Ht. #3G84

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 14, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 I, N, PA 2384  
National Board, State, Province, and Endorsements

Date 1-20-, 20 10

9

**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 Henry Pratt Co. 900 Depot Ave. Dixon, IL. 61021  
(Name and Address of N Certificate Holder)
2. Manufactured for Tennessee Valley Authority P.O. # 77K25-820750-1. Mark # P50-F-001A  
(Name and Address of Purchaser or Owner)
3. Location of Installation Hartsville Nuc. Plants A & B & Phipps Bend Nuc. Plant. Hartsville, Tenn.  
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 24" Outlet Size 24"  
(inch) (inch)

(a) Model No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1) 1100 Series	D-0152-10-1	N/A	C-5516 Rev-2	2	N/A	1980
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. Water Service System  
(Brief description of service for which equipment was designed)  
24" 1100 Ses W/SMB0015/43BC

6. Design Conditions 100 psi 150 °F or Valve Pressure Class 150 (1)  
(Pressure) (Temperature)

7. Cold Working Pressure 275 psi at 100°F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
<b>(a) Castings</b>			
<b>(b) Forgings</b>			
Top Shaft	SA 564 Typ. 630 Cond 1150 F	Cartech	HT# 22481
Bottom Shaft	SA 564 Typ. 630 Cond 1150 F	Cartech	HT# 22481

(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.

10

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Bottom Cover Bolt	SA 193 GR. B7	Kilbourn Engr. Co.	
Squeeze Pin Code CR	SA 320 GR. B8M	Cartech	HT# 842749
(d) Other Parts			
Body Shell			
S/N 1331563 NO-1	SA 516 GR. 70	Beth Steel	HT# 803H87090
Disc Plate			
S/N 1263464 LO-7	SA 240 GR. 304	Eastern S.S. Co.	HT# F-90838
Disc Hub			
S/N 1149913 RO-78	SA 516 GR. 70	Beth Steel	HT# 801E20710
Bottom Cover Code BD S/N 957	SA 516 GR. 70	Beth Steel	HT# 801W08060

9. Hydrostatic test 425 psi. Disk Differential test pressure 150 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 1977.  
 Addenda N/A (Date), Code Case No. N/A Date 7/10/80  
 Signed Henry Pratt Co. by [Signature]  
 (IN Certificate Holder)  
 Our ASME Certificate of Authorization No. N-1030 to use the N symbol expires May 6, 1981.  
 (Date)

CERTIFICATION OF DESIGN

Design information on file at Henry Pratt CO. 401 S. Highland Ave. Aurora, IL. 60507  
 Stress analysis report (Class 1 only) on file at N/A  
 Design specifications certified by (1) Alex Walsenko  
 PE State Cal. Reg. No. C22,109  
 Stress analysis certified by (1) N/A  
 PE State 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 Illinois and employed by H.S.B.I & I CO. of Hartford, Connecticut have inspected the pump, or valve, described in this Data Report on JUL 10 1980 19     , and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.  
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  
 Date JUL 10 1980 19      G. C. CENTENO, JR. ILLINOIS 1047  
[Signature] (Inspector) Commissions P. A. WC2783 OHIO 2-8-78  
 (Nat'l Bd., State, Prov. and No.)

Form No. 3204 Rev. 1

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 01/27/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Orders 200378010, 200361987, 200392534, 200334948  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By Westinghouse/PCI Energy Type Code Symbol Stamp N/A  
(NAME)  
Lake Bluff, IL 60044 Authorization No. N/A  
(ADDRESS) Expiration Date "

4. Identification of System Reactor Coolant (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E-2003A  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Reactor Vessel	Combustion Engr.	CE-9071	21669	2RCS-REV21	1975	Corrected	Yes

7. Description of Work Performed embedded flaw repairs on J-weld and tube OD on penetrations 49  
& 57. Removed unacceptable indications on penetration 51.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Previous NIS-2 Data Report Nos: 3043, 1973, 1656, and 1128. Weld overlays on  
Applicable Manufacturer's Data Reports to be attached  
Penetrations 49 & 57 were performed in accordance with BV Relief Request 2-TYP-3-RV-03.  
Penetration 51 was corrected in accordance with ASME Construction Code acceptance criteria.  
Work was performed by Westinghouse/PCI under the FENOC ASME Section XI program.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Wes Williams  Staff Engineer Date February 10, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions NB9428 ASIB PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-12-, 20 10

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/12/2009  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200392332  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Residual Heat Removal (Class 2)

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, 1567 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001-2003  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Heat Exchanger	Atlas Industrial Mfg.	3483	2853	2RHS-E21A	1978	Corrected	Yes
Support	Atlas Industrial Mfg.	N/A	N/A	2RHS-E21A-A-1	1978	Corrected	Yes
Support	Atlas Industrial Mfg.	N/A	N/A	2RHS-E21A-A-2	1978	Corrected	Yes

7. Description of Work Replaced three support gusset plates and repaired other.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

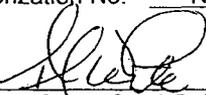
9. Remarks Code Data Report attached to previous NIS-2 #1133. Supports are NF per W spec.  
Applicable Manufacturer's Data Reports to be attached  
Replaced 1/2" gusset support plates: PO 7124481, Ht. #D60685. Note: on R/R Plan and weld  
travelers - support 2RHS-E21A-A-1 is "A-1-1" and "A-1-2", and support 2RHS-E21A-A-2 is "A-2-1"  
and "A-2-2".

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed T. White  Staff Specialist Date January 5, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions NB9428 ANIB PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11-, 20 10

Form No. 3206

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
As Required by the Provisions of the ASME Code Section XI

1. Owner First Energy Nuclear Operating Company Date 12/14/09  
(NAME)  
76 South Main Street - Akron OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2  
(NAME)  
Route 168 - Shippingport, PA 15077 Westinghouse P.O.# 7024829  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS/Tech. Services Eng. Type Code Symbol Stamp N/A  
(NAME)  
Route 168 - Shippingport, PA 15077 Authorization No. N/A  
(ADDRESS) Expiration Date N/A

4. Identification of System Reactor coolant

5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S'72 Addenda, See N-1 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs/Replacement Activity: 2001 Edition, 2003 Addenda  
 (c) Applicable Section XI Code Case(s) N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Steam Generator	Westinghouse	DMGT-1961	W-16598	2RCS-SG21A	1977	Corrected	Yes

7. Description of Work Installed 76 Inconel 690 plugs (38 tubes). Installed stabilizers in 35 of those tube locations. Installed helicoil in bolt hole #5 of secondary side hand hole #1.

8. Tests Conducted: Hydrostatic\*  Pneumatic\*  Nominal Operating Pressure  Exempt   
 Other  Pressure N/A psi Test Temp. N/A °F  
\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Primary side order 200334182, secondary side orders 200334182 & 200334183.

Applicable Manufacturer's Data Reports to be attached

Installed new gaskets on primary manways, secondary side hand holes & inspection ports.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Gary Alberti, SG Project Manager *Gary Alberti* Date January 4, 2010  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PA and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Iyniki Commissions NB 9428 ANIB PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-6-, 10

Form No. 3207

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
As Required by the Provisions of the ASME Code Section XI

1. Owner First Energy Nuclear Operating Company Date 12/14/09  
(NAME)  
76 South Main Street - Akron OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2  
(NAME)  
Route 168 - Shippingport, PA 15077 Westinghouse P.O.# 7024829  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS/Tech. Services Eng. Type Code Symbol Stamp N/A  
(NAME)  
Route 168 - Shippingport, PA 15077 Authorization No. N/A  
(ADDRESS) Expiration Date N/A

4. Identification of System Reactor coolant

5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S'72 Addenda, See N-1 Code Case  
 (d) Applicable Edition of Section XI Utilized for Repairs/Replacement Activity: 2001 Edition, 2003 Addenda  
 (e) Applicable Section XI Code Case(s) N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Steam Generator	Westinghouse	DMGT-1962	W-16599	2RCS-SG21B	1977	Corrected	Yes

7. Description of Work Installed 46 Inconel 690 plugs (23 tubes). Installed stabilizers in 13 of those tube locations.

8. Tests Conducted: Hydrostatic\*  Pneumatic\*  Nominal Operating Pressure  Exempt   
 Other  Pressure N/A psi Test Temp. N/A °F  
\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Primary side order 200334184, secondary side order 200334185.

Applicable Manufacturer's Data Reports to be attached

Installed new gaskets on the primary manways, secondary side hand holes & inspection ports.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Gary Alberti, SG Project Manager Gary Alberti Date January 4, 2010  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

Hartford, CT

have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Zywicki  
Inspector's Signature

Commissions NB9428 ANEB PA2384  
National Board, State, Province, and Endorsements

Date 1-6-, 10

Form No. 3208

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
As Required by the Provisions of the ASME Code Section XI

1. Owner First Energy Nuclear Operating Company Date 12/14/09  
(NAME)  
76 South Main Street - Akron OH 44308 Sheet 1 of 2  
(ADDRESS)

2. Plant Beaver Valley Power Station Unit No. 2  
(NAME)  
Route 168 - Shippingport, PA 15077 Westinghouse P.O.# 7024829  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS/Tech. Services Eng. Type Code Symbol Stamp N/A  
(NAME)  
Route 168 - Shippingport, PA 15077 Authorization No. N/A  
(ADDRESS) Expiration Date N/A

4. Identification of System Reactor coolant

5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S'72 Addenda, See N-1 Code Case  
(f) Applicable Edition of Section XI Utilized for Repairs/Replacement Activity: 2001 Edition, 2003 Addenda  
(g) Applicable Section XI Code Case(s) N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Steam Generator	Westinghouse	DMGT-1963	W-16600	2RCS-SG21C	1977	Corrected	Yes

7. Description of Work Installed 62 Inconel 690 plugs (31 tubes). Installed stabilizers in 26 of those tube locations. Re-established phonographic finish on four (4) inspection ports (vessel pad).

8. Tests Conducted: Hydrostatic\*  Pneumatic\*  Nominal Operating Pressure  Exempt   
Other  Pressure N/A psi Test Temp. N/A °F  
\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Primary side order 200334198, secondary side orders 200334199 & 200334200.

Applicable Manufacturer's Data Reports to be attached

Installed new gaskets on the primary manways, secondary side hand holes & inspection ports.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Gary Alberti, SG Project Manager *Gary Alberti* Date January 4, 2010  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PA and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Dean J. Tynick* Commissions NB9428 ANIB PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-6-, 10

Form No. 3209

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 11/12/2009  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 Work Order #200392524  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Residual Heat Removal (Class 2)

5. (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, 1567 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001-2003  
 (c) Applicable Section XI Code Case(s): N/A

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Heat Exchanger	Atlas Industrial Mfg.	3484	2854	2RHS-E21B	1978	Corrected	Yes
Support	Atlas Industrial Mfg.	N/A	N/A	2RHS-E21B-B-1	1978	Corrected	Yes
Support	Atlas Industrial Mfg.	N/A	N/A	2RHS-E21B-B-2	1978	Corrected	Yes

7. Description of Work Replaced two support gusset plates and repaired two others.

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks Code Data Report attached to NIS-2 #1132. Previous NIS-2 Data Report Nos: 3192,  
Applicable Manufacturer's Data Reports to be attached  
2083, and 1132. Supports are NF per W spec. Replaced 1/2" gusset support plates: PO 7124481,  
Ht. #D60685. Note: on R/R Plan and weld travelers - support 2RHS-E21B-B-1 is "A-1-1"  
and "A-1-2", and support 2RHS-E21B-B-2 is "A-2-1" and "A-2-2".

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

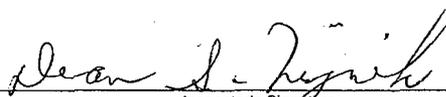
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date January 9, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions NB9428 ANIB PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-11-, 20 10

Form No. 3217

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street - Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 - 2003 Edition

(c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61265/11	N/A	2MSS-PSSP011A	---	Removed	No
Snubber	Lisega	30900139/023	N/A	2MSS-PSSP011A	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brooks Date Jan. 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Nijm Commissions IN, PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3218

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
As Required by the Provisions of the ASME Code Section XI

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam (Class 2)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
(d) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
(e) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61265/12	N/A	2MSS-PSSP011B	---	Removed	No
Snubber	Lisega	30900139/022	N/A	2MSS-PSSP011B	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brodus Date Jan 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Zylich Commissions I.N. PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3219

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By Technical Services Engr 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 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (f) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
 (g) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61195/130	N/A	2CHS-PSSP006	---	Removed	No
Snubber	Lisega	30900222/006	N/A	2CHS-PSSP006	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brooker Date Jan. 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean D. Lynch Commissions E.I.D. PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3220

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)
2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.
3. Work Performed By Technical Services Engr 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 1)
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (h) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
 (i) Applicable Section XI Code Case(s): None
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61211/20	N/A	2CHS-PSSP015X	---	Removed	No
Snubber	Lisega	30800392/096	N/A	2CHS-PSSP015X	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.  
Applicable Manufacturer's Data Reports to be attached

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CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brooks Date Jan. 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Zylich Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3221

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By Technical Services Engr 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 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
(c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61211/38	N/A	2CHS-PSSP017X	---	Removed	No
Snubber	Lisega	30800392/094	N/A	2CHS-PSSP017X	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brookes Date Jan 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean J. Zyzanski Commissions I, N, PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3222

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 20033887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By Technical Services Engr 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 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
 (c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61211/70	N/A	2CHS-PSSP025X	---	Removed	No
Snubber	Lisega	30800392/092	N/A	2CHS-PSSP025X	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brooks Date Jan. 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Dean S. Zyink Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3223

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By Technical Services Engr 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 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
 (c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61211/15	N/A	2CHS-PSSP660X	---	Removed	No
Snubber	Lisega	30800392/091	N/A	2CHS-PSSP660X	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brooks Date Jan. 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Dean S. Rynd Commissions I, N, PA2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3224

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
As Required by the Provisions of the ASME Code Section XI

1. Owner F.E.N.O.C. Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By Technical Services Engr 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 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
 (c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61211/52	N/A	2RCS-PSSP001X	---	Removed	No
Snubber	Lisega	30800392/095	N/A	2RCS-PSSP001X	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brooks Date Jan. 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Dean S. Ignish Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3225

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By Technical Services Engr 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 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
 (c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61211/06	N/A	2RCS-PSSP035	---	Removed	No
Snubber	Lisega	30800392/093	N/A	2RCS-PSSP035	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brooks Date Jan. 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Dean S. Lynch Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3226

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338887  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Reactor Plant Drains (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
 (c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61211/35	N/A	2DGS-PSSP879	---	Removed	No
Snubber	Lisega	30900222/005	N/A	2DGS-PSSP879	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brooke Date Jan 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this

Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Dean S. Zupul Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3227

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street - Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338888  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Auxiliary Feedwater (Class 3)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 - 2003 Edition  
 (c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61211/80	N/A	2FWE-PSSP354A	---	Removed	No
Snubber	Lisega	30800392/087	N/A	2FWE-PSSP354A	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Brooks      Date Jan. 26, 20 10  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-08, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Dean S. Zivich      Commissions I, N. PA 2384  
Inspector's Signature      National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3228

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY**  
As Required by the Provisions of the ASME Code Section XI

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200338888  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Auxiliary Feedwater (Class 3)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
 (c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Lisega	61211/88	N/A	2FWE-PSSP354B	---	Removed	No
Snubber	Lisega	30800392/090	N/A	2FWE-PSSP354B	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a new spare.

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Broolia Date Jan 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Dean S. Ryngaert Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10

Form No. 3229

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY  
As Required by the Provisions of the ASME Code Section XI**

1. Owner F.E.N.O.C Date 1/26/10  
(NAME)  
76 South Main Street – Akron, OH 44308 Sheet 1 of 1  
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 2  
(NAME)  
Shippingport, PA 15077 200344402  
(ADDRESS) Repair/Replacement Organization P.O. No., Job No., etc.

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

4. Identification of System Residual Heat Removal (Class 1)

5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 – 2003 Edition  
 (c) Applicable Section XI Code Case(s): None

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber	Liseqa	6885	N/A	2RHS-PSSP521X	---	Removed	No
Snubber	Liseqa	5048	N/A	2RHS-PSSP521X	---	Installed	No

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

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

\*Record test pressure and temperature

FORM NIS-2 (Back)

9. Remarks The snubber was replaced with a used spare rotated from stock, but the removed.

Applicable Manufacturer's Data Reports to be attached

Snubber was not tested - IWA-4132(h).

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Robert B. Broolpa Date Jan. 26, 20 10  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-22-08 to 11-27-09, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Dean S. Lynch Commissions I, N, PA 2384  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-27-, 20 10