



FirstEnergy Nuclear Operating Company

Beaver Valley Power Station
P.O. Box 4
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January 31, 2011
L-11-002

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

SUBJECT:
Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Twentieth 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 twentieth refueling outage at Beaver Valley Power Station Unit No. 1 (BVPS-1). 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 days of each refueling outage. The recent inservice inspection term at BVPS-1 covered the period from May 22, 2009 to November 5, 2010.

The Class 1, 2, 3, and IWE examinations are part of Interval 4, Period 1 of the BVPS-1 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

AD47
NRR

Beaver Valley Power Station, Unit No. 1
L-11-002
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Enclosure:

FirstEnergy Nuclear Operating Company, Beaver Valley Power Station, Unit No. 1,
Twentieth 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. 1
Twentieth Refueling Outage Inservice Inspection Report

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

Outage 20, Year 2010

Inspection Term: 5/22/2009 to 11/5/2010

Issue date: 1-26-2011

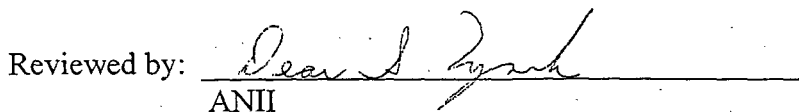
Owner: FirstEnergy
76 South Main St.
Akron, OH 44308

NRC Docket Number: 50-334

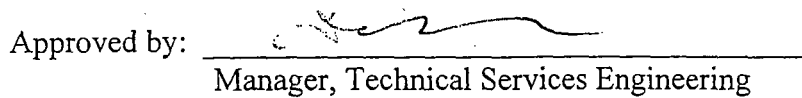
Reactor Supplier: Westinghouse Electric Corporation
Commercial Service Date: September 30, 1976

Reviewed by: 
Supv. Nuclear Programs

Date: 1-26-2011

Reviewed by: 
ANII

Date: 1-26-2011

Approved by: 
Manager, Technical Services Engineering

Date: 1-26-11

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

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

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

3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 9/30/76 6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combustion Engineering	69103	105642B	21011
Pressurizer	Westinghouse	1311	434676V	68-50
1A Steam Generator	Westinghouse	NP030651/1MB2	591601V	82
1A Reactor Coolant Pump	Westinghouse	1-618J931G01	N/A	N/A
1B Reactor Coolant Pump	Westinghouse	2-618J931G01	N/A	N/A
1SI-22	Rockwell International	N/A	N/A	N/A
Reactor Coolant Piping	Southwest Fabricating	N/A	N/A	N/A
Auxiliary Piping	Schneider Power	N/A	N/A	N/A
Component Supports	Various	N/A	N/A	N/A

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

This form (E0029) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 070082300

FORM NIS-1 (Back)

8. Examination Dates 5/22/2009 to 11/5/2010
9. Inspection Period Identification: 4/1/2008 to 8/1/2011 (1st Inspection Period of 4th Interval)
10. Inspection Interval Identification: 4/1/2008 to 3/31/2018 (4th 10-yr Inspection Interval)
11. Applicable Edition of Section XI 2001 Addenda 2003
12. Date/Revision of Inspection Plan: 1/2-ADM-2039, Revision 11
13. Abstract of Examination and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. **See Appendix I (Code Exams) for exams performed during 1R20. 1R20 was the second outage in the 1st Period of the 4th Ten-Year Interval. All of the ASME XI examination percentage requirements have been fulfilled for the 1st 40-Month Period.**
14. Abstract of Results of Examination and Tests. **See text of summary report.**
15. Abstract of Corrective Measures. **The only corrective measures resulting from the scheduled ASME XI ISI examinations in 1R20 were associated with the containment liner. All of the reported deficiencies were documented and resolved in the corrective action program. None of the reported deficiencies challenged the structural integrity of the containment liner. No liner plate repairs were necessary; only repainting/recaulking.**

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 1-13-11 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 Connecticut have inspected the components described in this Owner's Report during the period 5/22/2009 to 11/05/2010 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] Commissions NB 9428 ANIB, PA 2384
 Inspector's Signature National Board, State, Province and Endorsements
 Date 1-14-11

OUTAGE SUMMARY

During the Twentieth Refueling Outage (1R20) at the Beaver Valley Power Station, Unit 1, Inservice Inspection (ISI) examinations were performed on Class 1, 2, 3 and the containment liner components. This was the second outage in the first period of the fourth ten year interval. The examinations were based on ASME Section XI, 2001 Edition, 2003 Addenda.

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

1. Forty-six (46) Class 1 exams were performed and are divided as follows:
 - a. Welds (vessels, piping, and attachments)

Ultrasonic Exams	- 19
Penetrant Exams	- 2
Visual Exams	- 4
 - b. Class 1 bolting

Visual Exams	- 3
--------------	-----
 - c. Visual Examinations (VT-3)

Pipe Supports	- 5
Component Supports	- 2
 - d. RI-ISI piping VT-2 Exams - 11
2. Forty-seven (47) Class 2 exams were performed and are divided as follows:
 - a. Welds (vessels, pumps, piping, and attachments)

Ultrasonic Exams	- 16
Penetrant Exams	- 1
 - b. Visual Examinations (VT-3)

Pipe Supports	- 5
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 - c. RI-ISI piping VT-2 exams - 25
3. Five (5) visual exams of Class 3 components were performed and are divided as follows:
 - a. Supports, visual exams - 4
 - b. Attachments, visual exam - 1
4. Fifty-one (51) IWE exams were performed as follows:
 - a. Liner - 1 (General Visual)
 - b. Moisture Barrier - 1 (General Visual)
 - c. Previous liner repair - 1 (UTT)
 - d. Non-Random liner exams - 10 (UTT)
 - e. Random liner exams - 38 (UTT)

Examinations were performed by FirstEnergy Nuclear Operating Company (FENOC) NDE Technicians, supplemented with contracted NDE technicians from IDDEAL Concepts, Integrated Technologies, Inc. (iTt), and Wesdyne. Appendix I compiles the examinations that have been credited toward fulfilling the Ten Year Plan requirements.

IWE Examinations

The 1R20 IWE examinations included a general visual of the accessible areas of the liner plate and moisture barrier. This examination was performed per a corrective action associated with the containment liner through-wall discovered during 1R19. The corrective action also included a thickness examination of the replacement plate. Both examinations found no conditions that would challenge the structural integrity of the containment liner. Paint repairs were required.

According to licensing renewal commitments, UT thickness examinations were performed on the BV1 containment liner. Ten (10) non-random and thirty-eight (38) random locations were completed. There was no evidence of material loss in any of these examinations. A summary report of these examinations, separate from this report, has been submitted to the NRC.

Pressure Testing

The Class 1 piping System Leakage Test was performed prior to plant start-up from 1R20. All Class 1 bolted connections associated with insulated components were examined during 1R20. Also, Class 2 and 3 system functional and system inservice tests were performed in accordance with 40-month pressure testing requirements.

Deficiency Resolution

The deficiencies associated with the 1R20 containment liner general visual examination were documented and resolved on Condition Reports 10-83594, 10-84446, 10-84569, 10-84570, and 10-84791. The conditions identified were surface related and did not constitute structural deficiencies. All but three of the forty deficiencies were repaired in 1R20. The repair activities were limited to re-painting and one caulking repair. The three deficiencies deferred until the next outage were evaluated by the coating engineer and determined to have no impact on the integrity of the liner. The deficiencies that required paint removal prior to repair were examined by a qualified VT-3 examiner and UT examinations were performed on deficiencies where evidence of corrosion (rust) was present. The visual examination did not identify any evidence of liner plate degradation and the ultrasonic thickness measurements found the liner thickness greater than the nominal wall plate thickness in these areas.

NIS-2 Forms

Included as Appendix II are the NIS-2 Forms associated with ASME XI repairs and replacements performed since the last 90-Day ISI Summary Report.

APPENDIX I
1R20 COMPLETED CODE EXAMS

Summary_No	Component_ID	Description	Class	Category	Item	Method	Iso	Status
033350	CH-102	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0246A-3	B
036750	CH-103	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0247A-3	B
040050	CH-104	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0248A-3	B
078650	RC-055	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0348B-2	B
084100	RC-72-R-6	SUPPORT	1	F-A	F1.10R	VT-3	0348C-1	c
085450	RC-056	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0348D-1	B
089000	RC-72-7-F-09	BUTT WELD	1	R-A	R1.11	UT	0348D-1	c
089100	RC-72-7-E-01	NOZZLE TO SAFE END	1	R-A	R1.11	UT	0348D-1	c
089200	RC-104-1-E-01	NOZZLE TO SAFE END	1	R-A	R1.11	UT	0350A-4	c
089300	RC-104-1-F-01	BUTT WELD	1	R-A	R1.11	UT	0350A-4	c
094200	RC-104-2-PSSP-122A	SNUBBER	1	F-A	F1.10N	VT-3	0350A-4	c
094300	RC-104-2-PSSP-122B	SNUBBER	1	F-A	F1.10N	VT-3	0350A-4	c
095100	RC-97-1-E-01	NOZZLE TO SAFE END	1	R-A	R1.11	UT	0350B-3	c
095200	RC-97-1-F-01	BUTT WELD	1	R-A	R1.11	UT	0350B-3	c
095500	RC-97-1-A-01	WELDED ATTACHMENT SUPPORT SH-50	1	B-K	B10.20	PT	0350B-3	c
095600	RC-97-SH-50	SUPPORT	1	F-A	F1.10S	VT-3	0350B-3	c
096500	RC-98-1-E-02	NOZZLE TO SAFE END	1	R-A	R1.11	UT	0350B-3	c
096600	RC-98-1-F-01	BUTT WELD	1	R-A	R1.11	UT	0350B-3	c
097900	RC-99-1-E-03	NOZZLE TO SAFE END	1	R-A	R1.11	UT	0350B-3	c
098000	RC-99-1-F-01	BUTT WELD	1	R-A	R1.11	UT	0350B-3	c
109001	1NR-01	NON-RANDOM LINER 01	MC	IWE	E4.12	UTT	N/A	c
109002	1NR-02	NON-RANDOM LINER 02	MC	IWE	E4.12	UTT	N/A	c
109003	1NR-03	NON-RANDOM LINER 03	MC	IWE	E4.12	UTT	N/A	c
109004	1NR-04	NON-RANDOM LINER 04	MC	IWE	E4.12	UTT	N/A	c
109005	1NR-05	NON-RANDOM LINER 05	MC	IWE	E4.12	UTT	N/A	c
109006	1NR-06	NON-RANDOM LINER 06	MC	IWE	E4.12	UTT	N/A	c
109007	1NR-07	NON-RANDOM LINER 07	MC	IWE	E4.12	UTT	N/A	c
109008	1NR-08	NON-RANDOM LINER 08	MC	IWE	E4.12	UTT	N/A	c
109009	1NR-09	NON-RANDOM LINER 09	MC	IWE	E4.12	UTT	N/A	c
109010	1NR-10	NON-RANDOM LINER 10	MC	IWE	E4.12	UTT	N/A	c
109030	1RN-020	RANDOM LINER 20	MC	IWE	E4.12	UTT	Plate J5	c
109035	1RN-025	RANDOM LINER 25	MC	IWE	E4.12	UTT	Plate K8	c
109036	1RN-026	RANDOM LINER 26	MC	IWE	E4.12	UTT	Plate K11	c
109039	1RN-029	RANDOM LINER 29	MC	IWE	E4.12	UTT	Plate L4	c
109040	1RN-030	RANDOM LINER 30	MC	IWE	E4.12	UTT	Plate L5	c
109041	1RN-031	RANDOM LINER 31	MC	IWE	E4.12	UTT	Plate L7	c

APPENDIX I
1R20 COMPLETED CODE EXAMS

Summary_No	Component_ID	Description	Class	Category	Item	Method	Iso	Status
109044	1RN-034	RANDOM LINER 34	MC	IWE	E4.12	UTT	Plate N2	c
109046	1RN-036	RANDOM LINER 36	MC	IWE	E4.12	UTT	Plate N7	c
109047	1RN-037	RANDOM LINER 37	MC	IWE	E4.12	UTT	Plate N8	c
109049	1RN-039	RANDOM LINER 39	MC	IWE	E4.12	UTT	Plate O4	c
109050	1RN-040	RANDOM LINER 40	MC	IWE	E4.12	UTT	Plate O9	c
109051	1RN-041	RANDOM LINER 41	MC	IWE	E4.12	UTT	Plate O11	c
109052	1RN-042	RANDOM LINER 42	MC	IWE	E4.12	UTT	Plate O11	c
109057	1RN-047	RANDOM LINER 47	MC	IWE	E4.12	UTT	Plate Q8	c
109058	1RN-048	RANDOM LINER 48	MC	IWE	E4.12	UTT	Plate Q8	c
109060	1RN-050	RANDOM LINER 50	MC	IWE	E4.12	UTT	Plate Q11	c
109062	1RN-052	RANDOM LINER 52	MC	IWE	E4.12	UTT	Plate R5	c
109063	1RN-053	RANDOM LINER 53	MC	IWE	E4.12	UTT	Plate R5	c
109064	1RN-054	RANDOM LINER 54	MC	IWE	E4.12	UTT	Plate R7	c
109065	1RN-055	RANDOM LINER 55	MC	IWE	E4.12	UTT	Plate R8	c
109066	1RN-056	RANDOM LINER 56	MC	IWE	E4.12	UTT	Plate R9	c
109067	1RN-057	RANDOM LINER 57	MC	IWE	E4.12	UTT	Plate S3	c
109068	1RN-058	RANDOM LINER 58	MC	IWE	E4.12	UTT	Plate S7	c
109069	1RN-059	RANDOM LINER 59	MC	IWE	E4.12	UTT	Plate S8	c
109070	1RN-060	RANDOM LINER 60	MC	IWE	E4.12	UTT	Plate S9	c
109072	1RN-062	RANDOM LINER 62	MC	IWE	E4.12	UTT	Plate T7	c
109073	1RN-063	RANDOM LINER 63	MC	IWE	E4.12	UTT	Plate T10	c
109074	1RN-064	RANDOM LINER 64	MC	IWE	E4.12	UTT	Plate U2	c
109075	1RN-065	RANDOM LINER 65	MC	IWE	E4.12	UTT	Plate U5	c
109077	1RN-067	RANDOM LINER 67	MC	IWE	E4.12	UTT	Plate U11	c
109078	1RN-068	RANDOM LINER 68	MC	IWE	E4.12	UTT	Plate V2	c
109079	1RN-069	RANDOM LINER 69	MC	IWE	E4.12	UTT	Plate W1	c
109080	1RN-070	RANDOM LINER 70	MC	IWE	E4.12	UTT	Plate W4	c
109081	1RN-071	RANDOM LINER 71	MC	IWE	E4.12	UTT	Plate W5	c
109082	1RN-072	RANDOM LINER 72	MC	IWE	E4.12	UTT	Plate W6	c
109083	1RN-073	RANDOM LINER 73	MC	IWE	E4.12	UTT	Plate W9	c
109084	1RN-074	RANDOM LINER 74	MC	IWE	E4.12	UTT	Plate W11	c
109085	1RN-075	RANDOM LINER 75	MC	IWE	E4.12	UTT	Plate W12	c
130950	RC-026	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0354A-1	B
133050	RC-027	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0354B-1	B
135050	RC-028	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0354C-1	B
148000	DLW-PRESS-2-F-38	BUTT WELD	1	R-A	R1.11	UT	0999D-2	c

APPENDIX I
1R20 COMPLETED CODE EXAMS

Summary No	Component ID	Description	Class	Category	Item	Method	Iso	Status
151050	1RV-BMI-PENE-OD	RV LOWER HEAD BMI NOZZLES	1	N-722	B15.80	UT	E-001D-2	B
169440	RC-R-1-NUT-1 TO 19	BOLTING	1	B-G-1	B6.10	VT-3	E-001L-1	c
175240	RC-R-1-WASHER-1 TO 19	BOLTING	1	B-G-1	B6.50	VT-3	E-001L-1	c
180950	1RV-HEAD-OD	VESSEL HEAD OD SURFACE	1	N-729	B4.30	VE	E-001D-2	B
191500	RC-E-1A-C-1	CIRCUMFERENTIAL WELD	1	B-B	B2.40	UT	E-001N-4	c
192600	RC-TK-1-RADIUS-1	NOZZLE INSIDE RADIUS	1	B-D	B3.120	UT	E-001P-3	c
192700	RC-TK-1-RADIUS-2	NOZZLE INSIDE RADIUS	1	B-D	B3.120	UT	E-001P-3	c
192800	RC-TK-1-RADIUS-3	NOZZLE INSIDE RADIUS	1	B-D	B3.120	UT	E-001P-3	c
192900	RC-TK-1-RADIUS-4	NOZZLE INSIDE RADIUS	1	B-D	B3.120	UT	E-001P-3	c
193000	RC-TK-1-RADIUS-5	NOZZLE INSIDE RADIUS	1	B-D	B3.120	UT	E-001P-3	c
193100	RC-TK-1-RADIUS-6	NOZZLE INSIDE RADIUS	1	B-D	B3.120	VT-2	E-001P-3	B
193150	RC-TK-1-HTR-SLEEVES	PZR HEATER SLEEVE	1	WCAP	OG09140	VT-2	E-001P-3	B
194900	RC-TK-1-SS-1	SKIRT SUPPORT	1	F-A	F1.40E	VT-3	E-001P-3	c
195000	RC-TK-1-SS-2	STRUCTURAL SUPPORT	1	F-A	F1.40E	VT-3	E-001P-3	c
199800	RC-P-1B-B(S)-1 TO 12	BOLTING	1	B-G-2	B7.60	VT-1	E-001R-1	c
207600	RC-P-1A-A-2	WELDED SUPPORT	1	B-K	B10.30	PT	E-001T-2	c
273600	RH-1-3-F-05	BUTT WELD	1	R-A	R1.11	UT	0074A-3	L
317600	1SI-22	VALVE BODY	1	B-M-2	B12.50	VT-3	0223B-5	c
320250	SI-047B	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0375C-5	B
324350	SI-045B	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0375E-5	B
328550	SI-046B	RI-ISI SEGMENT	1	R-A	R1.12	VT-2	0375F-7	B
329700	SI-73-7-HSS-418	SNUBBER	1	F-A	F1.10N	VT-3	0375F-7	c
371400	WFPD-23-3-HSS-207	SNUBBER	2	F-A	F1.20N	VT-3	0062B-5	c
391150	SI-056B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0192A-6	B
397750	SI-051A	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0192A-6	B
397950	SI-051C	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0192A-6	B
420150	CH-021C	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0265A-7	B
420250	CH-021B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0265A-7	B
422650	CH-020B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0265A-7	B
422750	CH-020C	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0265A-7	B
425050	CH-019B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0265A-7	B
425250	CH-019C	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0265A-7	B
434750	SI-061B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0275A-3	B
436050	CH-121	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0267A-5	B
440050	CH-122	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0267A-5	B
443850	CH-123	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0267A-5	B

APPENDIX I
1R20 COMPLETED CODE EXAMS

Summary No	Component ID	Description	Class	Category	Item	Method	Iso	Status
470350	CH-130	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0268A-5	B
496950	SI-062B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0272A-5	B
509250	CH-028	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0273A-3	B
520950	SI-058B	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0273B-7	B
593400	SI-7-1-A-01	WELDED ATTACHMENT SUPPORT VS-13	2	C-C	C3.20	PT	0083A-3	c
614800	SI-2-6-S-03	PIPE WELD	2	R-A	R1.11	UT	0083C-6	c
658900	SHP-56-3-HSS-202	SNUBBER	2	F-A	F1.20N	VT-3	0001A-1	c
659100	SHP-56-3-HSS-203	SNUBBER	2	F-A	F1.20N	VT-3	0001A-1	c
681400	SHP-58-5-S-48	PIPE WELD	2	R-A	R1.11	UT	0002C-1	c
685350	SHP-31-1-F-13	PIPE WELD	2	R-A	R1.11	UT	0082A-1	c
707550	RH-009	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0075A-5	B
709250	RH-004	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0075A-5	B
711650	RH-13-1-F-02	PIPE WELD	2	R-A	R1.11	UT	0075B-3	B
718350	RH-14-7-SH-41	SUPPORT	2	F-A	F1.20S	VT-3	0207A-3	c
789774	RS-7-2-L-285	LONGITUDINAL WELD	2	R-A	R1.11	UT	0084A-3	c
789775	RS-7-2-F-03	PIPE WELD	2	R-A	R1.11	UT	0084A-3	L
789846	RS-8-2-L-271	LONGITUDINAL WELD	2	R-A	R1.11	UT	0084A-3	c
789847	RS-8-2-F-07	PIPE WELD	2	R-A	R1.11	UT	0084A-3	L
853100	CC-527-PSSP-300A	SNUBBER	3	F-A	F1.30N	VT-3	0285A-3	c
853200	CC-527-PSSP-300B	SNUBBER	3	F-A	F1.30N	VT-3	0285A-3	c
865500	FC-5-RH-2	SUPPORT	3	F-A	F1.30H	VT-3	0071A-1	c
888300	WR-53-3-A-01 TO 02	WELDED ATTACHMENT SUPPORT A-92	3	D-A	D1.20	VT-1	0224A-2	c
888400	WR-53-A-92	SUPPORT	3	F-A	F1.30A	VT-3	0224A-2	c
903250	QS-P2-K-L-53	LONGITUDINAL WELD	2	R-A	R1.11	UT	0111A-9	c
903300	QS-P2-K-S-0J	PIPE WELD	2	R-A	R1.11	UT	0111A-9	c
903997	QS-4-10G-HSS-202	SNUBBER	2	F-A	F1.20N	VT-3	0111A-9	c
908200	QS-3-13A-S-02	PIPE WELD	2	R-A	R1.11	UT	0113A-10	L
908250	QS-3-13A-L-197	LONGITUDINAL WELD	2	R-A	R1.11	UT	0113A-10	c
908300	QS-3-13A-S-01	PIPE WELD	2	R-A	R1.11	UT	0113A-10	L
910550	QS-P-2D-L-178	LONGITUDINAL WELD	2	R-A	R1.11	UT	0113B-3	c
910600	QS-P2-D-S-0N	PIPE WELD	2	R-A	R1.11	UT	0113B-3	c
913850	QS-9-1-F-01	PIPE WELD	2	R-A	R1.11	UT	0111C-3	L
913870	CH-120	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	0170B-3	B
914850	CH-051	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	1254A-4	B
916250	CH-050A	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	1254A-4	B
929500	CH-095	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	1518A-1	B

APPENDIX I
1R20 COMPLETED CODE EXAMS

Summary_No	Component_ID	Description	Class	Category	Item	Method	Iso	Status
929600	CH-096	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	1538A-1	B
929700	CH-097	RI-ISI SEGMENT	2	R-A	R1.12	VT-2	1510A-1	B
930000	1CNMT-LINER	CONTAINMENT LINER	MC	E-A	E1.11	GV	N/A	B
930015	1CNMT-LINER-AREA-R	1R19 LINER REPLACEMENT	MC	E-A	E1.11	UTT	N/A	c
930100	1CNMT-MOISTBARR	MOISTURE BARRIER	MC	E-A	E1.30	GV	N/A	B

APPENDIX II

REPAIR / REPLACEMENT ABSTRACT
AND
NIS-2 FORMS

NIS-2 ABSTRACT

<u>FORM NO.</u>	<u>ASSET NUMBER</u>	<u>ORDER NO.</u>	<u>COMMENTS</u>
1850	REJ-1RW-24A	200135466	Installed
2063	1RW-57	200233562	Installed
2091	1CCR-5	200267243	Installed
2092	1CCR-6	200274642	Installed
3009	1RW-59	200250894	Corrected
3129	1SI-24	200298746	Installed
3149	1RH-P-1B	200209848	Installed
3164	RV-1RC-551A	200372718	Installed
3210	1MS-18	200383397	Installed
3211	REJ-1RW-4A1	200339325	Installed
3212	1RS-E-1A	200375743	Corrected
3213	1RS-E-1C	200375745	Corrected
3216	1VS-E-4B	200323026	Installed
3236	1RW-106	200375747	Installed
3239	NRV-1MS-101B	200308441	Installed
3248	1DLO-28	200387923	Installed
3252	1RW-32	200383348	Installed
3254	1RW-30	200383347	Installed
3256	1EE-EG-1-ENGINE	200373908	Corrected
3257	1EE-EG-2-ENGINE	200373909	Corrected
3273	WR-610	200402653	Installed
3275	1CH-84	200412068	Corrected
3286	WR-560	200415220	Corrected
3291	WR-5	200425159	Corrected
3293	1RH-E-1A	200429434	Corrected
3294	1RH-200	200432353	Corrected
3295	MOV-1RW-103B	200368067	Corrected
3296	1FW-627	200432665	Installed
3297	1SI-22	200432381	Installed
3303	RV-1CH-203	200410051	Installed
3304	RV-1RH-721	200296268	Installed
3305	RV-1CH-382B	200369665	Corrected
3306	RC-HC-10C	200371901	Installed
3309	1QS-4	200432540	Installed
3312	RV-1QS-100B	200372724	Corrected

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 1850

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)76 South Main Street – Akron, OH 44308
(ADDRESS)2. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)3. Work Performed By BVPS – Construction
(NAME)Shippingport, PA 15077
(ADDRESS)Date 12/01/2010Sheet 1 of 1Unit No. 1WO# 200135466

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, S'71 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)
Expansion Joint	Garlock	04-3532	N/A	REJ-1RW-24A	1994	Removed	No
Expansion Joint	Garlock	06-0089	N/A	REJ-1RW-24A	2006	Installed	No
Stud	Nova Machine	N/A	N/A	HT# P918	2005	Installed	No

7. Description of Work Replacement of REJ and Flange Studs with like kind8. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 1850

RTL #A4.414A


9. Remarks Previous NIS-2 Data Report # 631. Expansion Joint PO# 45177541 and Stud PO# 47082958

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.

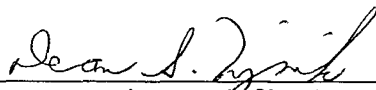
Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/A

Signed J. Sciulli  Nuclear Specialist Date December 1, 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 5-21-08 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-3-, 20 10

Form No. 2063

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 April 12, 2010
(NAME)
76 South Main Street – Akron, OH 44308 Sheet 1 of 2
(ADDRESS)

2. Plant Beaver Valley Power Station (BVPS) Unit No. 1
(NAME)
Shippingport, PA 15077 Work Order #200233562
(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 River Water (Q3)

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	C & S Valve	92-2019-059-012	N/A	1RW-57	1992	Removed	No
Check Valve	Crane Nuclear	D8081	N/A	1RW-57	2008	Installed	Yes

7. Description of Work Replaced valve, 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 Report attached. Previous NIS-2 Data Report Nos: 1550, 1458, and 508.
Applicable Manufacturer's Data Reports to be attached
An ASME Section III, Class 3, 1974E-S'74A valve was installed into an ANSI B31.1 system.
Replacement 1-1/8" Studs: PO 45243289 / Ht. #OZ84, PO 45189502 / Ht. #191C, PO 7123870 /
Ht. #J218; Nuts: PO 47176549 / Ht. #Z149.

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

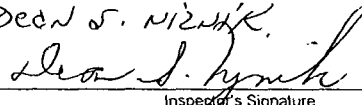
Certificate of Authorization No. N/A Expiration Date N/A

Signed Thomas White  Staff Specialist Date April 23, 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 5-21-09 to 4-30-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 4-30-, 20 10

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

Pg. 1 of 2

1. Manufactured and certified by CRANE Nuclear, Inc., 860 Remington Boulevard, Bolingbrook, IL 60440
(name and address of N Certificate Holder)
2. Manufactured for First Energy, PO Box 4, Shippingport, PA 15077
(name and address of purchaser)
3. Location of installation Beaver Valley Nuclear Power Plant, Route 168, Shippingport, PA 15077
(name and address)
4. Model No., Series No., or Type D000-M1291-00 Drawing CB02778 Rev. C CRN N/A
5. ASME Code, Section III, Division 1: 1974 Summer 1974 3 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Duo-Check Nominal inlet size 20" Outlet size 20"

7. Material:

(a) valve (b) pump	Body Casting	<u>SA351 CF3M</u>	Bonnet Cover	<u>N/A</u>	Disk Bolting	<u>SA351 CF3M</u>	Bolting	<u>N/A</u>
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(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body/Casing Serial No.	(d) Bonnet/Cover Serial No.	(e) Disk Serial No.
--	------------------------------	-------------------------------------	--------------------------------------	------------------------------

D8081

N/A

D8082

N/A

D8083
D8084

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

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

Certificate Holder's Serial No. D8081

- 8 Design conditions N/A N/A or valve pressure class 150 (1)
(pressure) (temperature)
- 9 Cold working pressure 275
- 10 Hydrostatic test 425 Disk differential test pressure 305
- 11 Remarks: S/O No. 33494-01, PO No. 45272566, Item No. 00001
Pin Retainer, material SA 479 GR 316, HL# AUH

CERTIFICATION OF DESIGN

Design Specifications certified by W.J. Parker P.E. State PA Reg. no. 29003-E
Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-2899 Expires September 24, 2011
Date 12/30/08 Name CRANE Nuclear, Inc. Signed John E. Sirovatka
(N Certificate Holder) (authorized representative)
John E. Sirovatka
QA Engineer

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSBCT of Hartford, CT have inspected the pump, or valve, described in this Data Report on 12/30/08 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 12/30/08 Signed Robert Rainey Commissions IL 932
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)
Robert Rainey

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 2091

1. Owner F.E.N.O.C
(NAME)

Date 10/23/10

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

Sheet 1 of 1

Unit No. 1

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

Work Order # 200274643 10/25/11
Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By FENOC Maintenance
(NAME)

Type Code Symbol Stamp N/A

Shippingport, PA 15077
(ADDRESS)

Authorization No. N/A

Expiration Date N/A

4. Identification of System Component Cooling (Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 73 Edition, S73 Addenda, 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	Mission Drilling	---	N/A	1CCR-5	1976	Removed	No
Check Valve	Mission Drilling	34709	N/A	1CCR-5	1976	Installed	No

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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 2091

9. Remarks No Code Data Report available.

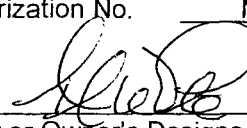
Applicable Manufacturer's Data Reports to be attached

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 October 24, 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 5-21-09 to 10-26-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 10-26-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 20921. Owner F.E.N.O.C
(NAME)Date 10/23/1076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)Work Order #200274642

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By FENOC Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System Component Cooling (Q3)5. (a) Applicable Construction Code ANSI B31.1 19 73 Edition, S'73 Addenda, 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	Mission Drilling	34709	N/A	1CCR-6	1976	Removed	No
Check Valve	Crane Nuclear	D9028	N/A	1CCR-6	2010	Installed	No

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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00


Report Number 20929. Remarks No Code Data Report available.

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

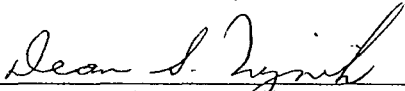
Signed T. White  Staff Specialist Date October 23, 20 10
Owner or Owner's Designee, Title

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 5-21-09 to 10-26-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 10-26, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3009

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

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

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

3. Work Performed By BVPS Valve Team
(NAME)

Shippingport, PA 15077
(ADDRESS)

Date November 12, 2010

Sheet 1 of 2

Unit No. 1

Work Order #200250894

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code Section III 19 74 Edition, S'74 Addenda, — 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	Crane Nuclear	D0479	N/A	1RW-59	2002	Corrected	Yes

7. Description of Work Replaced valve 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3009

RTL #A4.414A

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No. 1562. Replaced 1-1/8" Studs:

Applicable Manufacturer's Data Reports to be attached

PO 45305063 / Ht. # 3B26, PO 47217400 / Ht. # 2K15; Nuts: PO 45339118 / Ht. #4H71

ASME Section III valve installed into an ANSI B31.1 system.

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 December 1, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-1-, 20 10

Pg. 1 of 2

(a) valve (b) pump	Body Casting	<u>SA351 CF3M</u>	Bonnet Cover	<u>N/A</u>	Disk Bolting	<u>SA351 CF3M</u>	Bolting	<u>SA479 TP 316A</u>
(a) Cert. Holder's Serial No.	(b) Nat'l Board Serial No.	(c) Body/Casing Serial No.	(d) Bonnet/Cover Serial No.	(e) Disk Serial No.				

[illegible]

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

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

Certificate Holder's Serial No. D0479

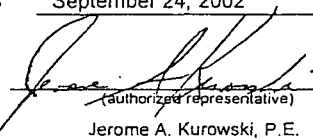
- 8 Design conditions _____ psi _____ °F or valve pressure class ANSI 150 (1)
 (pressure) (temperature)
9. Cold working pressure 275 psi at 100°F
10. Hydrostatic test 425 psi. Disk differential test pressure 305 psi
11. Remarks: PO No. 7073812, Rev. 0, Item No. 1 SO No. 13665-01
 Mark No.: Valve ID: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

CERTIFICATION OF DESIGN

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

CERTIFICATE OF COMPLIANCE

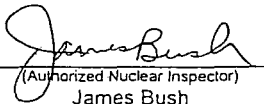
We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2899 Expires September 24, 2002
 Date 02/22/02 Name CRANE Nuclear, Inc. Signed 
 (N Certificate Holder) (authorized representative)
 Jerome A. Kurowski, P.E.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Factory Mutual Insurance Company of Johnston, RI have inspected the pump, or valve, described in this Data Report on 02/22/02 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 02/22/02 Signed  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 NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3129

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

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

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

3. Work Performed By BVPS Maintenance
(NAME)

Shippingport, PA 15077
(ADDRESS)

Date October 31, 2010

Sheet 1 of 1

Unit No. 1

Work Order #200298746

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Safety Injection (Q1)

5. (a) Applicable Construction Code ANSI B16.5 19 68 Edition, --- Addenda, --- 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	Velan	N/A	N/A	1SI-24	1976	Corrected	No
Disc	Velan	N6948	N/A	Ht. #2AXP	2002	Installed	No

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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3129

RTL #A4.414A

9. Remarks No Code Data Reports available.

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
Owner or Owner's Designee, Title

Staff Specialist Date November 12, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions JB9428 ANIB PA2384
National Board, State, Province, and Endorsements

Date 11-12-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3149

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date 12/02/201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)WO# 200209848

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS – Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System Residual Heat Removal (Q2)5. (a) Applicable Construction Code ASME Section III 1968 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)
Seal	Flowserve	N/A	N/A	HT# 248991	2010	Installed	No
Stud	Nova Machine	N/A	N/A	HT# 268F	2006	Installed	No
Pump	Ingersoll-Rand	1170-21	N/A	1RH-P-1B	1976	Corrected	No

7. Description of Work Replace mechanical seal8. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3149

RTL #A4.414A

9. Remarks Previous NIS-2 1530. Seal PO# 4532439 HT# 248991 and Stud Po# 45211480

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

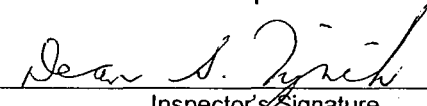
Signed J. Sciulli  Nuclear Specialist Date December 1, 20 10
Owner or Owner's Designee, Title

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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-6-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3164

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

Date October 27, 2010

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

Sheet 1 of 5

Unit No. 1

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

Work Order #200372718

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Services
(NAME)

Type Code Symbol Stamp N/A

Shippingport, PA 15077
(ADDRESS)

Authorization No. N/A

Expiration Date N/A

4. Identification of System Reactor Coolant (Class A)

5. (a) Applicable Construction Code Section III 19 68 Edition, S'68 Addenda, — 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	Target Rock	1	N/A	RV-1RC-551A	2005	Corrected	Yes
Pilot Valve	Target Rock	2	N/A	N/A	2005	Removed	Yes
Pilot Valve	Target Rock	1	N/A	N/A	2005	Installed	Yes

7. Description of Work Replaced pilot valve and inlet studs.

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

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3164

RTL #A4.414A


9. Remarks Code Data Reports attached. Pilot valve (S/N 2) was replaced by Target Rock under Purchase Order
Applicable Manufacturer's Data Reports to be attached
55109371/4. Pilot valve (S/N 1) from Relief Valve S/N 3 was removed and installed into Relief Valve S/N 6 previously
by Target Rock. Pilot valve (S/N 1) was then removed from Relief Valve S/N 6 and installed into Relief Valve S/N 1
Code Data Report from Relief Valve S/N 3 showing pilot valve S/N 1 attached. Replacement 1-3/8" Studs: PO
45297678 / Ht. #2U86.

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 December 03, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-6-, 20 10

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 3

1. Manufactured and certified by Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735
(name and address of NV Certificate Holder)
2. Manufactured for First Energy; Route 168; Shipping port, PA
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station; Route 168; Shippingport, PA
(name and address)
4. Valve 0569C-001-1 Orifice size 2.443 Nom. Inlet size 6 Outlet size 6
(Model no., series no.) (in.) (in.) (in.)
5. ASME Code, Section III, Division 1: 1968 Summer 1968 A None
(edition) (addenda date) (class) (Code Case no.)
6. Type Pilot Operated 2485 120 650°F 3325 at 100°F max.
(spring, pilot or power operated) (set pressure, psig) (blowdown, psi) (rated temp) (hydro test, psig, inlet)
7. Identification 1 N/A 0569C-001 Rev. B N/A 2005
(Cert. Holder's serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)
8. Control ring settings N/A
9. Pressure retaining items:

	Serial No. Or Identification	Mat'l. Spec. Including Type or Grade	Tensile Strength
Body	<u>1</u>	<u>SA351 CF8M</u>	<u>75 ksi</u>
Bonnet or Yoke	<u>8</u>	<u>SA105</u>	<u>70 ksi</u>
Support Rods			
Nozzle			
Disk	<u>3</u>	<u>SA 564 630</u>	<u>140 ksi</u>
Spring Washers			
Adjusting Screws			
Spindle			
Spring			
Bolting	<u>See page 2 of 3</u>		
Other Items	<u>See page 2 of 3</u>		
10. Relieving capacity 345,000 lbs/hr overpressure as certified by the National Board (69C) 10/07/2005
(date)
11. Remarks:

CERTIFICATION OF DESIGN

Design Specification certified by F.W. Gardner P.E. State PA Reg. No. 036614-E
Design Report certified by Not 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 pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1949 Expires 12/12/2007

Date 12/16/2005 Name Target Rock Signed R. E. Glazier
(Certificate Holder) (authorized representative)

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form

Certificate Holder's Serial No. 0569C-001-1; s/n 1

1. Manufactured and certified by Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735
(name and address of NV Certificate Holder)
2. Manufactured for First Energy; Route 168; Shippingport, PA
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station; Rout 168; Shippingport, PA
(name and address)
4. Valve 0569C-001-1 Orifice size 2.443 Nom. Inlet size 6 Outlet size 6
(Model no., series no.) (in.) (in.) (in.)

Pressure Retaining Item		Serial No. or Identification	Material Spec. Including Type or Grade	Tensile Strength
Main Seat	200323-1	25	SA479 304L	70 ksi
Pilot Body	303839-2	2	SA479 304	75 ksi
Bonnet Cap	200324-1	8	SA105	70 ksi
End Cap	303835-1	5	SA479 316	75 ksi
Hex Nut	100-0076	n/a	SA194 2H	n/a
Hex Bolt	100501-1	n/a	SA193 B7	125 ksi
Stud	206189-2	n/a	SA193 B7	125 ksi
Stud	206189-1	n/a	SA193 B7	125 ksi
Stud	100482-2	n/a	SA193 B7	125 ksi
Stud	100482-1	n/a	SA193 B7	125 ksi

Certificate Holder's Serial No. 0569C-001-1 S/N 1

1. Manufactured and certified by Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735
(name and address of NV Certificate Holder)
2. Manufactured for First Energy; Route 168; Shippingport, Pa
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station; Route 168; Shippingport, PA
(name and address)
4. Valve 0569C-001-1 Orifice size 2.443 Nom. Inlet size 6 Outlet size 6
(Model no., series no.) (in.) (in.) (in.)

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 Province of New York and employed by OneBeacon America Insurance Company of Boston, MA have inspected the pump, or valve, described in this Data Report on 12/16/2005, 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 12/16/05 Signed [Signature] Commissions NY 5102
(Authorized Inspector) (Nat'l. Bd.(incl. endorsements) and state or prov. and no.)

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM RELIEF VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 3

1. Manufactured and certified by Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735
(name and address of NV Certificate Holder)
2. Manufactured for First Energy; Route 168; Shippingport, PA
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station; Route 168; Shippingport, PA
(name and address)
4. Valve 0569C-001-1 Orifice size 2.443 Nom. Inlet size 6 Outlet size 6
(Model no., series no.) (in.) (in.) (in.)
5. ASME Code, Section III, Division 1: 1968 Summer 1968 A None
(edition) (addenda date) (class) (Code Case no.)
6. Type Pilot Operated 2485 120 650°F 3325 at 100°F max.
(spring, pilot or power operated) (set pressure, psig) (blowdown, psi) (rated temp) (hydro test, psig, inlet)
7. Identification 3 N/A 0569C-001 Rev. B N/A 2005
(Cert. Holder's serial no.) (CRN) (drawing no.) (Natl'l. Bd. no.) (year built)
8. Control ring settings N/A
9. Pressure retaining items:

	Serial No. Or Identification	Mat'l. Spec. Including Type or Grade	Tensile Strength
Body	<u>3</u>	<u>SA351 CF8M</u>	<u>75 ksi</u>
Bonnet or Yoke	<u>9</u>	<u>SA105</u>	<u>70 ksi</u>
Support Rods			
Nozzle			
Disk	<u>2</u>	<u>SA 564 630</u>	<u>140 ksi</u>
Spring Washers			
Adjusting Screws			
Spindle			
Spring			
Bolting	<u>See page 2 of 3</u>		
Other Items	<u>See page 2 of 3</u>		
10. Relieving capacity 345,000 lbs/hr overpressure as certified by the National Board (69C) 10/07/2005
(date)
11. Remarks:

CERTIFICATION OF DESIGN

Design Specification certified by F.W. Gardner P.E. State PA Reg. No. 036614-E
Design Report certified by Not 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 pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1949 Expires 12/12/2007

Date 12/20/2005 Name Target Rock Signed R. E. Glazier, QA Manager
(Certificate Holder) (authorized representative)

* Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form

FORM NV-1 (Pg. 2 of 3)

Certificate Holder's Serial No. 0569C-001-1 s/n 3

1. Manufactured and certified by Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735
(name and address of NV Certificate Holder)
2. Manufactured for First Energy; Route 168; Shippingport, PA
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station; Rout 168; Shippingport, PA
(name and address)
4. Valve 0569C-001-1 Orifice size 2.443 Nom. Inlet size 6 Outlet size 6
(Model no., series no.) (in.) (in.) (in.)

Pressure Retaining Item		Serial No. or Identification	Material Spec. Including Type or Grade	Tensile Strength
Main Seat	200323-1	34	SA479 304L	70 ksi
Pilot Body	303839-2	1	SA479 304	75 ksi
Bonnet Cap	200324-1	9	SA105	70 ksi
End Cap	303835-1	4	SA479 316	75 ksi
Hex Nut	100-0076	n/a	SA194 2H	n/a
Hex Bolt	100501-1	n/a	SA193 B7	125 ksi
Stud	206189-2	n/a	SA193 B7	125 ksi
Stud	206189-1	n/a	SA193 B7	125 ksi
Stud	100482-2	n/a	SA193 B7	125 ksi
Stud	100482-1	n/a	SA193 B7	125 ksi

FORM NV-1 (Pg. 3 of 3)

Certificate Holder's Serial No. 0569C-001-1 s/n 3

1. Manufactured and certified by Target Rock; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735
(name and address of NV Certificate Holder)
2. Manufactured for First Energy; Route 168; Shippingport, Pa
(name and address of Purchaser)
3. Location of installation Beaver Valley Power Station; Route 168; Shippingport, PA
(name and address)
4. Valve 0569C-001-1 Orifice size 2.443 Nom. Inlet size 6 Outlet size 6
(Model no., series no.) (in.) (in.) (in.)

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 Province of New York and employed by OneBeacon America Insurance Company of Boston, MA have inspected the pump, or valve, described in this Data Report on 12-20-2005, 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 12/20/2005 Signed [Signature] Commissions NY. 5102
(Authorized Inspector) (Nat'l. Bd.(incl. endorsements) and state or prov. and no.)

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3210

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

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

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

3. Work Performed By BVPS Maintenance
(NAME)

Shippingport, PA 15077
(ADDRESS)

Date November 17, 2010

Sheet 1 of 2

Unit No. 1

Work Order #200383397

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Main Steam (Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, --- 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)
Nozzle Check	Enertech	11236	N/A	1MS-18	2002	Removed	Yes
Nozzle Check	Enertech	11076	N/A	1MS-18	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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3210

RTL #A4.414A

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No. 1725. Valve was supplied as ASME
Applicable Manufacturer's Data Reports to be attached
Section III 1971E-S'72A but is installed in an ANS B31.1 system.

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

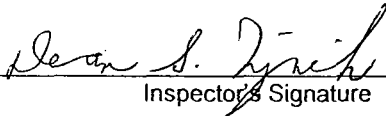
Signed T. White  Staff Specialist Date November 17, 2010
Owner or Owner's Designee, Title

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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 11-17-, 20 10

Pg. 1 of 2

[illegible]

REPRINT 6/93

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. 11075 & 11076

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

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 CA 1494
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3211

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date 12/02/201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)WO# 200339325

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS – Construction
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, S'71 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)
Expansion Joint	Garlock	N/A	N/A	REJ-1RW-4A1	2004	Removed	No
Expansion Joint	Garlock	10-791021-01	N/A	REJ-1RW-4A1	2010	Installed	No
Stud	Nova Machine	N/A	N/A	HT# X573	2005	Installed	No
Nut	Nova Machine	N/A	N/A	HT# S697	1997	Installed	No

7. Description of Work Replacement of REJ and Flange Studs/Nuts with like kind8. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3211

RTL #A4.414A


9. Remarks Previous NIS-2 Data Report # 1744. Expansion Joint PO#45331376, Stud PO# 47117569 and
Nut PO# 47121233

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

Signed J. Sciulli  Nuclear Specialist Date December 1, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-6-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3212

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date 10/27/201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)Work Order #200375743

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Services
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System Recirculation Spray (C)5. (a) Applicable Construction Code Section III 19 68 Edition, W'68 Addenda, --- 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)
Heat Exchanger	Industrial Process	6301-1	3179	1RS-E-1A	1971	Corrected	Yes

7. Description of Work Replace seal welded diaphragms.8. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3212

RTL #A4.414A

9. Remarks Copy of original Data Report in NIS-2 #1577. Previous NIS-2 Data Report No. 3065.

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.

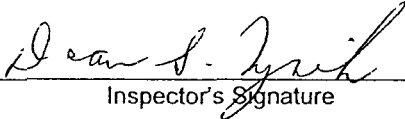
Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date October 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 5-21-09 to 10-29-10, and state that to the best of my knowledge and belief, the Owner 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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Inspector's Signature

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

Date 10-29-10, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3213

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

Date 10/27/2010

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

Sheet 1 of 1

Unit No. 1

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

Work Order #200375745

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Construction Services
(NAME)

Type Code Symbol Stamp N/A

Shippingport, PA 15077
(ADDRESS)

Authorization No. N/A

Expiration Date N/A

4. Identification of System Recirculation Spray (C)

5. (a) Applicable Construction Code Section III 19 68 Edition, W68 Addenda, --- 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)
Heat Exchanger	Industrial Process	6301-3	3181	1RS-E-1C	1971	Corrected	Yes

7. Description of Work Replace seal welded diaphragms.

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

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3213

RTL #A4.414A

9. Remarks Copy of original Data Report in NIS-2 #1578. Previous NIS-2 Data Report No. 3066.

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 October 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 5-21-09 to 10-29-10, and state that to the best of my knowledge and belief, the Owner 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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 Commissions NB9428 ANIB PA2384
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-29-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3216

1. Owner F.E.N.O.C
(NAME)

Date 10/10/2010

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

Sheet 1 of 1

Unit No. 1

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

Work Order #200323026

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By FENOC Maintenance
(NAME)

Type Code Symbol Stamp N/A

Shippingport, PA 15077
(ADDRESS)

Authorization No. N/A

Expiration Date N/A

4. Identification of System Ventilation / River Water (Q3)

5. (a) Applicable Construction Code Section VIII 19 71 Edition, S'72 Addenda, 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)
Heat Exchanger	York	1-2239	46531	1VS-E-4B	1972	Corrected	No
End Bell	Dubose National Energy	N/A	N/A	N/A	2009	Installed	No

7. Description of Work Replaced heat exchanger end bells.

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

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00


Report Number 3216

9. Remarks U-1 Data Report attached to previous NIS-2 No. 1590. The tube section of the heat exchanger was
Applicable Manufacturer's Data Reports to be attached
exempt to ASME Section VIII and was made to commercial grade. Serial numbers 1 through 4 were supplied under
P.O. 45274468, however, the serial numbers installed were not recorded.

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.

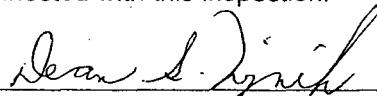
Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date October 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 5-21-09 to 10-13-10, and state that to the best of my knowledge and belief, the Owner 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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Inspector's Signature

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

Date 10-13-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3236

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

Date 12/02/2010

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

Sheet 1 of 1

Unit No. 1

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

WO# 200375747

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS – Maintenance
(NAME)

Type Code Symbol Stamp N/A

Shippingport, PA 15077
(ADDRESS)

Authorization No. N/A

Expiration Date N/A

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for 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)
Nut	Nova Machine	N/A	N/A	N/A	2005	Installed	No
Stud	Nova Machine	N/A	N/A	HT# X573	2010	Installed	No
Check Valve	C & S Valve	89-0929-01(Q)-01	N/A	1RW-106	N/A	Removed	No
Check Valve	C & S Valve	92-2019-06(Q)-1	N/A	1RW-106	N/A	Installed	No

7. Description of Work Replace valve and valve bolting with a spare valve and like kind bolting

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

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3236

RTL #A4.414A

9. Remarks Previous NIS-2# 2027. Stud PO# 47117569, Nut PO/HT# 47082958/P921 and 4708563/A201

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

Signed J. Sciulli  Nuclear Specialist Date December 2, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner 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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Inspector's Signature

Commissions NB9428 ANIB PA2384
National Board, State, Province, and Endorsements

Date 12-3-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3239

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

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

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

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

Date 12/02/2010

Sheet 1 of 1
Unit No. 1

WO# 200308441
Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A
Expiration Date N/A

4. Identification of System _____

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, _____ Code Case N/A
(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	N/A	N/A	N/A	NRV-1MS-101B	1976	Corrected	No
Shaft	Flowserve	N/A	N/A	NRV-1MS-101B	2006	Installed	No

7. Description of Work Replace valve shaft bearing covers.

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

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3239

RTL #A4.414A

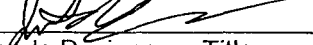
9. Remarks No Previous NIS-2. Shaft PO# 45203895

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.

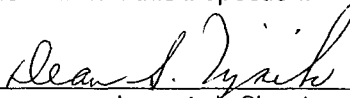
Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/A

Signed J. Sciulli  Nuclear Specialist Date December 2, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner 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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Inspector's Signature

Commissions NB 9428 ANIB P-42384
National Board, State, Province, and Endorsements

Date 12-3-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3248

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date 12/01/201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)WO# 200387923

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS - Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System Emergency Diesel (Q3)5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S71 Addenda, Code Case N/A(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	Swagelok	N/A	N/A	1DLO-28	2010	Installed	No
Pipe	Michigan Seamless	N/A	N/A	HT# 3M50192	2005	Installed	No
Pipe Cap	Bonney Forge	N/A	N/A	HT# 9438	2004	Installed	No

7. Description of Work Install new drain on line8. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3248

RTL #A4.414A

9. Remarks No Previous NIS-2. Valve PO# 45346904, Pipe Po#45233562 and Pipe Cap PO# 45332935


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

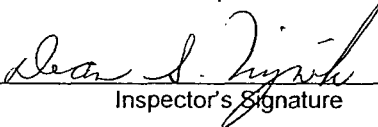
Signed J. Sciulli  Nuclear Specialist Date December 1, 20 10
Owner or Owner's Designee, Title

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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-6-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3252

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

Date 12/02/2010

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

Sheet 1 of 1

Unit No. 1

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

WO# 200383348

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS – Construction
(NAME)

Type Code Symbol Stamp N/A

Shippingport, PA 15077
(ADDRESS)

Authorization No. N/A

Expiration Date N/A

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for 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)
Elbow	ATI	N/A	N/A	HT# 6XN-NVS001	2009	Installed	No
Flange	Western Forge and Flange	N/A	N/A	HT# 857B	2002	Installed	No
Ball Valve	BNL Industries	B021016-1-8	N/A	1RW-132	2003	Corrected	No
End Piece	BNL Industries	N/A	N/A	HT# D4730	2010	Installed	No

7. Description of Work Replace valve end pieces

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

Other ☐ Pressure _____ psi Test Temp. _____ °F

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3252

RTL #A4.414A

*Record test pressure and temperature

9. Remarks Previous NIS-2# 2076. End Piece PO# 45324230, Elbow PO# 47265422 and Flange PO# 7099495

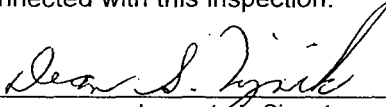
Applicable Manufacturer's Data Reports to be attached

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/ACertificate of Authorization No. N/A Expiration Date N/ASigned J. Sciulli  Nuclear Specialist Date December 2, 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 thisOwner's Report during the period 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 SignatureCommissions NB9428 ANIB PA2384
National Board, State, Province, and EndorsementsDate 12-6-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3254

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

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

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

3. Work Performed By BVPS Construction Services
(NAME)

Shippingport, PA 15077
(ADDRESS)

Date November 2, 2010

Sheet 1 of 1

Unit No. 1

Work Order #200383347

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System River Water (Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, — 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)
Ball Valve	BNL Industries	B021016-1-6	N/A	1RW-130	2003	Corrected	No
End Cap	BNL Industries	B02101601-4	N/A	---	2003	Removed	No
End Cap	BNL Industries	N/A	N/A	Ht. #D4728	2010	Installed	No

7. Description of Work Replaced valve end caps, pipe nipple, and flange.

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

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3254

RTL #A4.414A

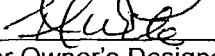
9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No. 1835. Replacement 6" NPS Pipe:
Applicable Manufacturer's Data Reports to be attached
PO 47031899 / Ht. #811818M01; 6" NPS Flange: PO 7099495-15 / Ht. #857B.

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

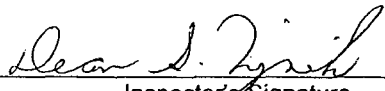
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date November 12, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 11-12-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3256

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)76 South Main Street – Akron, OH 44308
(ADDRESS)2. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)3. Work Performed By BVPS Maintenance
(NAME)Shippingport, PA 15077
(ADDRESS)Date November 22, 2010Sheet 1 of 1Unit No. 1Work Order 200373908

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System Emergency Diesel (Q3)5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S71 Addenda, --- 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)
Piping	EMD-General Motors	72-D1-1160	N/A	1EE-EG-1-ENGINE	1972	Corrected	No

7. Description of Work Replaced lube oil 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3256

RTL #A4.414A

9. Remarks No Code Data Report available. Replacement Couplings: 3 ea. 4" – PO 45332534; 2 ea. 3" – PO 45126587 & PO 45119100; 1 ea. 6" – PO 45115781.

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.

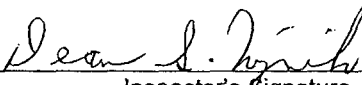
Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date November 24, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-1-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3257

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

Date November 22, 2010

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

Sheet 1 of 1

Unit No. 1

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

Work Order 200373909

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Maintenance
(NAME)

Type Code Symbol Stamp N/A

Shippingport, PA 15077
(ADDRESS)

Authorization No. N/A

Expiration Date N/A

4. Identification of System Emergency Diesel (Q3)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, --- 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)
Piping	EMD-General Motors	72-D1-1041	N/A	1EE-EG-2-ENGINE	1972	Corrected	No

7. Description of Work Replaced lube oil 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3257

RTL #A4.414A

9. Remarks No Code Data Report available. Replacement Couplings: 4" – PO 45332534; 3" – PO 45126587.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

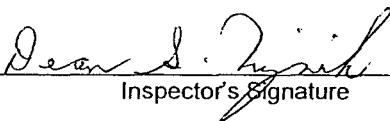
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned T. White  Staff Specialist Date November 24, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 SignatureCommissions NB 9428 ANIB PA 2384
National Board, State, Province, and EndorsementsDate 12-1-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3273

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)76 South Main Street – Akron, OH 44308
(ADDRESS)2. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)3. Work Performed By BVPS Construction Services
(NAME)Shippingport, PA 15077
(ADDRESS)Date December 20, 2010Sheet 1 of 1Unit No. 1Work Order #200402653

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, — 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)
Piping	Stone & Webster	N/A	N/A	WR-610	1976	Corrected	No
Piping	First Energy	N/A	N/A	WR-610	2010	Installed	No

7. Description of Work Replaced pipe and fittings. Reworked supports.8. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp: _____ °F

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3273

RTL #A4.414A

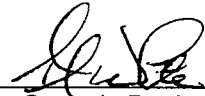
9. Remarks No Code Data Report available. Replaced following 1-1/2" pipe and fittings – Pipe: PO 45335570 / Ht. #523562; Coupling: PO 7049429 / Ht. #1488ANE2; Tee 7037275 / Ht. #1488ANE2; Reducer: 47084700 / Ht. #62741; Elbow: 45339154 / Ht. #E52, PO 45340452 / Ht. #18442. Additionally, the following supports were reworked: PS-113, PS-120, PS-128, PS-121, PS-107 (removed), PS-108, PS-109, PS-112, PS-114, PS-116, PS-118, PS-122, PS-114, PS-117, PS-110, PS-111, PS-115, PS-119, PS-123, PS-124, PS-125, PS-126, PS-127, PS-129, PS-130 by adding 2x2x1/4" angle: PO 47261319 / Ht. #JH1257; 5/8" Plate: PO 45337100; 3/8" Plate: PO 45151413 / Ht. # T4705; 1/2" Plate: PO 45301005 / Ht. #A8T2701-02, PO 45189132 / Ht. #U8551/1A ; 1" Plate: PO 47034423 / Ht. #W63733.

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

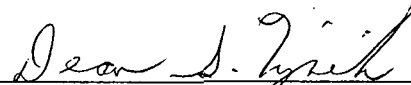
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date January 12, 20 11
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner 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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Inspector's Signature

Commissions NB9428 ANIB PA2384
National Board, State, Province, and Endorsements

Date Jan 13 1-13-, 20 11

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3275

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)76 South Main Street – Akron, OH 44308
(ADDRESS)2. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)3. Work Performed By BVPS Maintenance
(NAME)Shippingport, PA 15077
(ADDRESS)Date December 3, 2010Sheet 1 of 1Unit No. 1Work Order #200412068

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System Chemical and Volume Control (Q2)5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, — 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	Rockwell Int.	N/A	N/A	1CH-84	1976	Corrected	No

7. Description of Work Reseal welded canopy 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3275

RTL #A4.414A

9. Remarks No Code Data Report available.

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 December 3, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner 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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Inspector's Signature

Commissions NP 9428 A-NIB PA 2384
National Board, State, Province, and Endorsements

Date 12-6-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3286

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date 12/15/201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)WO# 200415220

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS - Construction
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, N/A Code Case(b) Applicable Edition of Section XI Utilized for 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)
Piping	Schneider Inc.	N/A	N/A	WR-560	1976	Corrected	No

7. Description of Work Cut and reweld elbow and a 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3286

RTL #A4.414A

9. Remarks No Previous NIS-2.

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

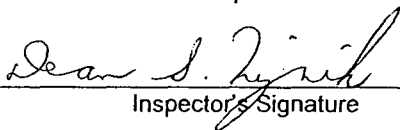
Signed J. Sciulli  Nuclear Specialist Date December 15, 20 10
Owner or Owner's Designee, Title

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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner 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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Inspector's Signature

Commissions NB9428 AWIB PA2384
National Board, State, Province, and Endorsements

Date 12-20-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3291

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date 12/14/201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)WO# 200425159

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS - Construction
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, N/A Code Case(b) Applicable Edition of Section XI Utilized for 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)
Piping	Schneider Inc.	N/A	N/A	WR-5	1976	Corrected	No

7. Description of Work Weld repair a pin hole leak.8. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure _____ psi Test Temp. _____ °F

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3291

RTL #A4.414A

9. Remarks No previous NIS-2.

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

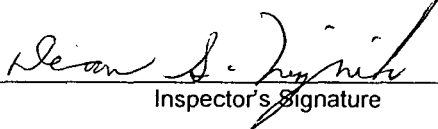
Signed J. Sciulli  Nuclear Specialist Date December 14, 20 10
Owner or Owner's Designee, Title

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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-20, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3293

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date 12/02/201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)WO# 200429434

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS – Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System Residual Heat Removal (C)5. (a) Applicable Construction Code ASME Section III 19 68 Edition, 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)
Heat Exchanger	Joseph Oat Co	1832-1	368	1RH-E-1A	1969	Corrected	Yes
Stud	Nova Machine	N/A	N/A	HT# 2U88	2008	Installed	No

7. Description of Work Remove and Inspect one flange bolt and replace is necessary.8. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3293

RTL #A4.414A

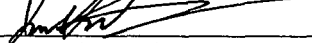
9. Remarks Previous NIS-2 Report No1581. Stud PO# 45297678

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.

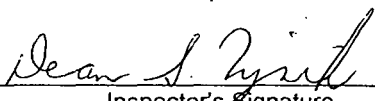
Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/A

Signed J. Sciulli  Nuclear Specialist Date December 1, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-6-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3294

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

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

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

3. Work Performed By BVPS Maintenance
(NAME)

Shippingport, PA 15077
(ADDRESS)

Date October 31, 2010

Sheet 1 of 1

Unit No. 1

Work Order #200432353

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Residual Heat Removal (Q2)

5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for 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)
Glove Valve	Rockwell-Edward	N/A	N/A	1RH-200	1976	Corrected	No

7. Description of Work Installed a mechanical clamping device and support to compensate for a cracked pipe to valve inlet socket weld.

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

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3294

RTL #A4.414A

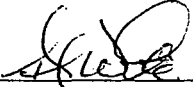
9. Remarks No Code Data Report available. The mechanical clamping device was manufactured and installed by
Applicable Manufacturer's Data Reports to be attached
Team Inc. per ECP 10-0619-001 under the FENOC ASME Section XI program, and the pipe support was
manufactured and installed by FENOC. Both the clamping device and the support were later removed per work
Order 200199095 when the 3/4" valve and inlet piping were replaced. Materials installed were: Team Clamp assembly
PO 45352950; 14" Anvil Clamp – PO 45352934; Tube Steel – 45210895; Plate – PO 47283331 / Ht. #B0R6303; 1/2"
Studs – PO 45333545 / Ht. #8898247; 1/2" Nuts – PO 45343125 / Ht. #4N88

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 November 12, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner 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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Inspector's Signature

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

Date 11-12-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3295

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date October 31, 201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)Work Order #200368067

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Valve Team
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System River Water (Q3)5. (a) Applicable Construction Code ANSI B16.5 19 68 Edition, — Addenda, — Code Case(b) Applicable Edition of Section XI Utilized for 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	Rodney Hunt	2	N/A	MOV-1RW-103B	1993	Corrected	No

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

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3295

RTL #A4.414A

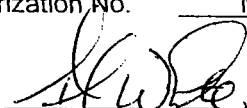
9. Remarks No Code Data Report available. Previous NIS-2 Data Report No. 451. Replacement 1-1/4" Bolts: PO
47167866 / Ht. #QQT.

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.

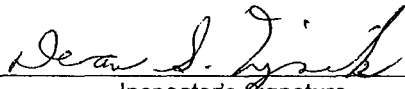
Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date November 3, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 11-4-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3296

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date November 2, 201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)Work Order #200432665
Repair/Replacement Organization P.O. No., Job No., etc.3. Work Performed By BVPS Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System Feedwater (Q3)5. (a) Applicable Construction Code ANSI B31.1 19 1967 Edition, S'71 Addenda, — 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	Rockwell International	N/A	N/A	1FW-627	1976	Corrected	No
Cover	Rockwell International	N/A	N/A	Ht. #5P9487	1983	Installed	No
Disc	Rockwell International	N/A	N/A	Ht. #F6702	1983	Installed	No

7. Description of Work Replaced valve disc, cover, and seal welded cover 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3296

RTL #A4.414A

9. Remarks No Code Data Report available. *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

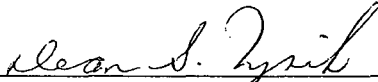
Certificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date November 12, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 SB9428 AUIB PA2384
National Board, State, Province, and Endorsements

Date 11-12-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3297

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date November 15, 201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)Work Order #200432381

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Valve Team
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System Safety Injection (Q1)5. (a) Applicable Construction Code ANSI B16.5 19 68 Edition, -- Addenda, -- 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	Velan	N/A	N/A	1SI-22	1976	Corrected	No
Cover	Velan	5375	N/A	Ht. #H4069	1990	Installed	No

7. Description of Work Replaced valve cover and cover 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3297

RTL #A4.414A

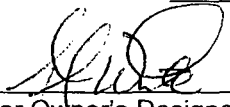
9. Remarks No Code Data Report available. Installed 1-1/4" Studs: PO 47117569 / Ht. #X573; Nuts: PO 47121233
Ht. #S697.

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

Signed T. White  Staff Specialist Date December 2, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-3-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3303

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)76 South Main Street – Akron, OH 44308
(ADDRESS)2. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)3. Work Performed By BVPS Maintenance
(NAME)Shippingport, PA 15077
(ADDRESS)Date December 3, 2010Sheet 1 of 1Unit No. 1Work Order #200410051

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System Chemical and Volume Control (Q2)5. (a) Applicable Construction Code Section VIII 19 68 Edition, — Addenda, — 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	N69972-00-0016	N/A	RV-1CH-203	2003	Removed	No
Relief Valve	Crosby	61680-003	N/A	RV-1CH-203	1990	Installed	No

7. Description of Work Replaced valve with spare 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3303

RTL #A4.414A


9. Remarks No Code Data Report available. Previous NIS-2 Data Report No. 1622. Replacement 5/8" Studs: PO 45314223 / Ht. #3N12; Nuts: PO 45343125 / Ht. #4P86.

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.

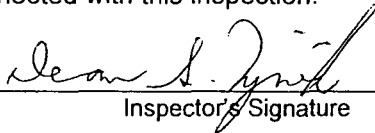
Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date December 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-13-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3304

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)76 South Main Street – Akron, OH 44308
(ADDRESS)2. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)3. Work Performed By BVPS Maintenance
(NAME)Shippingport, PA 15077
(ADDRESS)Date November 15, 2010Sheet 1 of 1Unit No. 1Work Order # 200296268

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System Residual Heat Removal (Q2)5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S71 Addenda, — 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	N69973-01-0001	N/A	RV-1RH-721	1988	Removed	No
Relief Valve	Crosby	53237M1	N/A	RV-1RH-721	1976	Installed	No

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

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3304

RTL #A4.414A

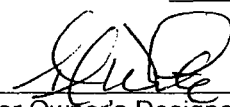
9. Remarks No Code Data Report available. Previous NIS-2 Data Report No. 1868

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

Signed T. White  Staff Specialist Date November 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner 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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Inspector's Signature

Commissions NB9428 A&IB P.42384
National Board, State, Province, and Endorsements

Date 11-17-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3305

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

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

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

3. Work Performed By BVPS Maintenance
(NAME)

Shippingport, PA 15077
(ADDRESS)

Date October 31, 2010

Sheet 1 of 2

Unit No. 1

Work Order #200369665

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Chemical and Volume Control (Q2)

5. (a) Applicable Construction Code ASME Section III 19 71 Edition, W72 Addenda, — 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	N56900-00-0029	194	RV-1CH-382B	1976	Corrected	Yes

7. Description of Work Replaced valve inlet 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3305

RTL #A4.414A

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No. 1867. Replaced 5/8" Studs: PO

Applicable Manufacturer's Data Reports to be attached

45275451 / Ht. #258262; 5/8" Nuts: PO 45203316 / Ht. #Z726. This is an ASME Section III valve installed into anANSI B31.1 system.**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.

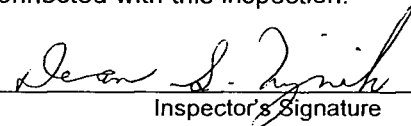
Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/A

Signed T. White  Staff Specialist Date December 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 JB9428 ANIB PA2384
National Board, State, Province, and Endorsements

Date 12-13-, 20 10

CROSBY**CROSBY VALVE & GAGE COMPANY**
WRENTHAM, MASSFORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As required by the Provisions of the ASME Code Rules

Q.C.-44C

DATA REPORT
Safety and Safety Relief Valves1. Manufactured By Crosby Valve & Gage Company, 43 Kendrick Street, Wrentham, Ma. 02093
JB-25- Name and AddressModel No. TD-WR Order No. N302954 Contract Date 3/30/73 National Board No. 194
Westinghouse Electric Corp.,2. Manufactured For P. O. Box 355, Pittsburgh, Pa. 15230 Order No. 546-CCK-183426-BN
Name and Address3. Owner Duquesne Light Company, Beaver Valley Power Station, Beaver Valley Unit #2
Name and Address4. Location of Plant Shippingport, Beaver County, Pennsylvania5. Valve Identification RV-8121 DMW Serial No. N56900-00-0029 Drawing No. DS-C-56900 Rev. AType Relief Orifice Size I Pipe Size - Inlet 2 Outlet 3
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch6. Set Pressure (PSIG) 150 250° F
Rated TemperatureStamped Capacity 225 GPM Water @ 10 % Overpressure - Blowdown CF8M 10% of S.P.Hydrostatic Test (PSIG) Inlet 425 Outlet 425
~~Complete Valve~~

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

Class 2 Edition 1971, Addenda Date Winter 1972, Case No. ---

Pressure Containing or Pressure Retaining Components

	Serial No. Identification	Material Specification Including Type or Grade
a. Castings		
Body	<u>N90135-34-0028</u>	<u>ASTM-A351-72 Gr. CF8M</u> <u>ASME-SA351 Gr. CF8M</u>
Bonnet	<u>N90449-31-0010</u>	<u>ASTM-A216-70 Gr. WCB</u> <u>ASME-SA216 Gr. WCB</u>
b. Bar Stock and Forgings		
Support Rods		
Nozzle	<u>N90137-40-0098</u>	<u>ASME-SA479</u> <u>ASTM-A479-71 Type 316</u>
Disc Insert	<u>N90448-33-0069</u>	<u>ASME-SA479 Type 316</u> <u>ASTM-A193-70 Gr. B6</u>
Spring Washers	<u>N88634-42-0235</u> <u>N88634-42-0193</u>	<u>ASME-SA193 Gr. B6</u> <u>ASTM-A193-70 Gr. B6</u>
Adjusting Bolt	<u>N88635-42-0167</u>	<u>ASME-SA193 Gr. B6</u> <u>ASTM-A193-73 Gr. B6</u>
Spindle	<u>N88669-40-0101</u>	<u>ASME-SA193 Gr. B6</u>

NB-5611-N MA-1301 PAWL 3388

Factory Mutual ~~ANI~~ Date 1-28-57

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual
Boiler & Machinery Division.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3306

RTL#A4.41A

1. Owner F.E.N.O.C
(NAME)Date 12/16/1076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 1Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)WO# 200371901

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS – Construction
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/A

Expiration Date _____

4. Identification of System Reactor Coolant (Class 1)5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition S'71 Addenda, N/A Code Case(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001E – 2003A

(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	Bergen Paterson	1858	N/A	BV-RC-HC-10C	---	Removed	No
Snubber	Bergen Paterson	1842	N/A	BV-RC-HC-10C	---	Installed	No

7. Description of Work Replaced snubber with a spare because of seal leakage8. Tests Conducted: Hydrostatic* ☐ Pneumatic* ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

*Record test pressure and temperature

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3306

RTL#A4.41A

9. Remarks The snubber was replaced with a used spare rotated from stock, but the removed , 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

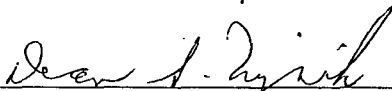
Certificate of Authorization No. N/A Expiration Date N/A

Signed J. Sciulli  Nuclear Specialist Date December 17th, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-20-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3309

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)

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

2. Plant Beaver Valley Power Station (BVPS)
(NAME)

Shippingport, PA 15077
(ADDRESS)

3. Work Performed By BVPS Valve Team
(NAME)

Shippingport, PA 15077
(ADDRESS)

Date November 18, 2010

Sheet 1 of 1

Unit No. 1

Work Order #200432540

Repair/Replacement Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Quench Spray (Q2)

5. (a) Applicable Construction Code ANSI B16.5 19 68 Edition, --- Addenda, --- 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	Schutte & Koerting	700480	N/A	1QS-4	1976	Corrected	No
Disc	Flowserve	N/A	N/A	N/A	2001	Installed	No

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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3309

RTL #A4.414A

9. Remarks No Code Data Report available.

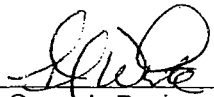
Applicable Manufacturer's Data Reports to be attached

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 November 24, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 12-1-, 20 10

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3312

RTL #A4.414A

1. Owner F.E.N.O.C
(NAME)Date 10/29/201076 South Main Street – Akron, OH 44308
(ADDRESS)Sheet 1 of 2Unit No. 12. Plant Beaver Valley Power Station (BVPS)
(NAME)Shippingport, PA 15077
(ADDRESS)Work Order #200372724

Repair/Replacement Organization P.O. No., Job No., etc.

3. Work Performed By BVPS Maintenance
(NAME)Type Code Symbol Stamp N/AShippingport, PA 15077
(ADDRESS)Authorization No. N/AExpiration Date N/A4. Identification of System Quench Spray (Q3)5. (a) Applicable Construction Code Section III 19 89 Edition, 1991 Addenda, --- 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	Farris Engineering	NC-1506-A15	N/A	RV-1QS-100B	2004	Corrected	Yes

7. Description of Work Replaced valve inlet 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 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

NOP-CC-5703-02 Rev. 00

Report Number 3312

RTL #A4.414A

9. Remarks Code Data Report attached. Previous NIS-2 Data Report No. 1556. Replacement 1/2" Studs: PO
Applicable Manufacturer's Data Reports to be attached
45301001 / Ht. #2Y31; Nuts: PO 45321040 / Ht. #3T97, PO 45318842 / Ht. #3T44, PO 45297319 / 2U09.

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

Signed T. White  Staff Specialist Date November 24, 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 5-21-09 to 11-4-10, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 NB9428ANIB PA2384
National Board, State, Province, and Endorsements

Date 12-1-, 20 10

**FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACUUM
RELIEF VALVES***

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

Pg. 1 of 2

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 Main Route Shippingport PA USA 15077
(name and address of Purchaser)

3. Location of installation BEAVER VALLEY POWER STATION
(name and address)

4. Valve 26GB10L-120/S4/SP Orifice size G Nom. inlet size 1.5 Outlet size 2.5
(model no., series no.) (in.) (in.) (in.)

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

6. Type Spring 150 -- 70 F 225 at Min. 50 °F
(spring, pilot or power operated) (set pressure, psig) (blowdown, psi) (rated temp.) (hydro. test., psig., inlet)

7. Identification NC-1506-A15 20046217 27531 REV - N/A 2004
(Cert. Holder's serial no.) (Mat'l Code) (drawing no.) (Nat'l. Bd. no.) (year built)

8. Control ring settings 4

9. Pressure retaining items:

	Serial No. or Identification	Mat'l. Spec., Including Type or Grade	Tensile Strength (KSI)
Body	6-6083-CF4-1	SA351 GRADE CF8M SOLUTION ANNEALED CASTING	70
Bonnet or Yoke	J857-1	SA351 GRADE CF8M SOLUTION ANNEALED CASTING	70
Support Rods	N/A	N/A	
Nozzle	0777744-1A-18	SA479 GRADE 316 SOLUTION ANNEALED BAR	75
Disk	9N236-L20-1-4	SA479 GRADE 316 SOLUTION ANNEALED BAR	75
Spring Washers	J9051-2-45 J9051-2-46	SA479 GRADE 316 SOLUTION ANNEALED BAR	75
Adjusting Screws	150504-1-26	SA479 GRADE 316 SOLUTION ANNEALED BAR	75
Washer	150504-1-25	SA479 GRADE 316 SOLUTION ANNEALED BAR	75
Spring	0HT3	A 313 Type 316 STAINLESS STEEL SPRING	171
Bolting	723541	SA564 GRADE 630 COND. H1100 FINISHED PART	140
Other Items	DISC HOLDER: 9P101-L20-1-11	SA479 GRADE 316 SOLUTION ANNEALED BAR	75
Hex Nuts	30257	SA194 GRADE 8M FINISHED PART	80

10. Relieving capacity 160 USGPM WATER @ 10% (15) overpressure as certified by the National Board 7/28/2003
(steam or fluid, lb/hr) (psi) (date)

11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by _____ P.E. State _____ Reg. no. _____
Design Report certified by Jang Sun Ahn P.E. State Ontario Reg. no. 100052462

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 November 2, 2004

Date 2/13/04 Name Farris Engineering, Division Of Curtiss-Wright Flow Control Corporation Signed [Signature]
(NV Certificate Holder) (authorization representative)

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



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 Feb 18, 04 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 Feb 18, 04 Signed _____

(Authorized Nuclear Inspector)

Commissions

NB 12148 AN ON. 82
[Nat'l. Bd. (incl. endorsements) and state or prov. and no.]