

Beaver Valley Power Station Route 168 P.O. Box 4 Shippingport, PA 15077-0004

Lew W. Myers

Senior Vice President

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January 2, 2002 L-01-160

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

Subject: Beaver Valley Power Station, Unit No. 1

BV-1 Docket No. 50-334, License No. DPR-66

Fourteenth Refueling Outage Inservice Inspection Report

This letter forwards the Inservice Inspection (ISI) Ninety-Day Report on ASME Class 1, 2, 3, and MC components examined during the fourteenth refueling outage at Beaver Valley Unit No. 1. The ASME Boiler and Pressure Vessel Code, Section XI, Article IWA-6230 requires that an inservice inspection report be submitted to the enforcement and regulatory authority having jurisdiction at the plant site within ninety days after completion of an inservice inspection. The recent inservice inspection term at Beaver Valley Unit No. 1 ended on October 6, 2001.

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

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

Sincerely,

Lew W. Myers

Robert E. Donald

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Enclosure

c: Mr. L. J. Burkhart, Project Manager

Mr. D. M. Kern, Sr. Resident Inspector

Mr. H. J. Miller, NRC Region I Administrator

Mr. J. Payton, Commonwealth of Pennsylvania

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

Outage 14, Year 2001

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

Issue date: 12-21-01	
Owner: FirstEnergy Nuclear Operation Company 76 South Main St. Akron, OH 44308	
NRC Docket Number: 50-334	
Reactor Supplier: Westinghouse Electric Corporation Commercial Service Date: September 30, 1976	•
Prepared by:	Date: <u>12/21/01</u>
Reviewed by: Supervisor, ISI/IST/Maintenance Rule	Date: 12/21/0/
Reviewed by: Reviewed by: ANII	Date: 12/21/01
Approved by: Manageri Engineering Technical Support	Date: 12/21/01

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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, Shippingpe	ort, PA 15077	
	*		(Name and Address of Owner)		
2.	Plant	Beaver Valle	ey Power Station, Route 168, Shippingport, PA 150	77	
	•		(Name and Address of Plant)		
3.	Plant Unit	1	4. Owner Certificate of Authorization (if required)	26-05000	
5 . •	Commercial	Service Date	9/30/76 6. National Board Number for Unit	N/A	

7. Components Inspected

turer or Installer Serial No. gineering 69103 1311	State or Province No.	National Board No. 21011	
gineering 69103 1311			
1311	105642B	21011	
1311	105642B ·	21011	
	434676V	68-50	
1832-1	434682V	368	
SI-TK-2	434783V	13314	
BN52799	N/A	N/A	
nette 290596	N/A	N/A N/A	
S350-WDD(Model #)	N/A		
M75/150-1-1	424590V	11702	
(Model #)	434389 V	11792	
CH-TK-1A	N/A	N/A	
	1077	1472	
Mfg Co. NS-E-1	N/A	N/A	
cating N/A	N/A	N/A	
	\		
r N/A	N/A	N/A	
1			
	1832-1 SI-TK-2 BN52799 nette 290596 S350-WDD(Model #) M75/150-1-1 (Model #) CH-TK-1A Mfg Co. NS-E-1 cating N/A r N/A	1832-1	

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 though 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

	8/1/2001	_ to	10/6/2001	
9. Inspection Period Identifi	cation: 8/1/2001	to 12/2/2004		
10. Inspection Interval Ident	ification: 9/21/199	97 to 3/31/2008		
11. Applicable Edition of So	ection XI 1989	Adde	nda None	
12. Date/Revision of Inspect	tion Plan: 1TYPP-3	3, Revision 0		·
13. Abstract of Examination required for the Inspection Interval at BV-1. The	ion Plan. See Appen	idix I (Code Exa	nns). This was the fir:	tement concerning status of work st outage of the 2 nd Period of the 3 rd -month Period.
14. Abstract of Results of E	xamination and Tests	See text of sur	mmary report.	
15. Abstract of Corrective M	Acasures. See Apper	ndix III, 1R14 D	eficiency Report.	
as required by the ASME Co XI. Certificate of Authorization 1 Date / 2 / 3 / 6 /	de, Section XI, and c)) corrective meas 26-0500 FirstEnergy Nuc	oures taken conform to	and tests meet the Inspection Plan the rules of the ASME Code, Section on Date N/A By
	.;			
	CERTIFICA	ATE OF INSER	VICE INSPECTION	
I, the undersigned, holding a and the State or Province of	valid commission iss	ued by the Nation	nal Board of Boiler and	
I, the undersigned, holding a and the State or Province of Johnston, RI	valid commission issue Pennsylvan	ued by the Nationia And e	nal Board of Boiler and employed by Facto	ory Mutual Insurance Co. of
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OUTAGE SUMMARY

During the Fourteenth Refueling Outage (1R14) at the Beaver Valley Power Station, Unit 1, Inservice Inspection (ISI) examinations were performed on Class 1, 2, 3 and MC components. This was the first outage in the second period of the third ten year interval. The examinations were based on ASME Section XI, 1989 Edition.

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

- 1. Eighty-one (81) Class 1 exams were performed and are divided as follows:
 - a. Welds (vessels, piping, and attachments)

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

b. Class 1 bolting

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

c. Visual Examinations (VT-3)

Pipe Supports	-	25
Vessel Supports	-	6

- 2. Forty-six (46) Class 2 exams were performed and are divided as follows:
 - a. Welds (vessels, pumps, piping, and attachments)

Penetrant Exams	-	5
Visual Exams	-	2
b. Bolting (UT)	-	5
c. Supports, visual exams	_	34

- 3. Fifty-four (54) visual exams of Class 3 supports were performed and are divided as follows:
 - a. Supports, visual exams
 b. Attachments, visual exams
 15

Examinations were performed by FirstEnergy Nuclear Operating Company (FENOC) and contracted NDE Technicians. Appendix I compiles the examinations that have been credited toward fulfilling the Ten Year Plan requirements. Appendix II lists additional and successive examinations that were required during 1R14. Appendix III is the 1R14 Deficiency Report.

IWL Containment Examination

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

Pressure Testing

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

Deficiency Resolution

There was one recorded deficiency in 1R14. It was evaluated and reported per administrative procedures. Appendix III provides information regarding this deficiency.

Steam Generator Tube Examination

One hundred percent of the in-service tubes were examined in the three generators. Results of the examinations are submitted to regulatory authorities in accordance with Technical Specification requirements.

NIS-2 Forms

Included as Appendix IV are the NIS-2 Forms associated with repairs and replacements. Code Case N-416-1, Alternative Pressure Test Requirement for Welded Repairs or Installation of Replacement Items by Welding, Class 1, 2 and 3, was used. The NIS-2 specifies when N-416-1 was implemented.

APPENDIX I

COMPLETED CODE EXAMINATIONS

APPENDIX I 1R14 Completed Code Exams

SUMMARY	COMPID	CAT	ITEM NO	DESCRIPTION	ISO NO	METHOD	COMMENTS
193100	RC-TK-1-RADIUS-6	B-D	B3.120	NOZZLE INSIDE RADIUS	E-001P-R3	VT-2	VT-2 based on RR 1-TYP-B3.120-1
72000	RC-R-1-NUT-27	B-G-1	B6.10	BOLTING	E-001L	VT-1	
72100	RC-R-1-NUT-28	B-G-1	B6.10	BOLTING	E-001L	VT-1	
72200	RC-R-1-NUT-29	B-G-1	B6.10	BOLTING	E-001L	VT-1	
72400	RC-R-1-NUT-31	B-G-1	B6.10	BOLTING	E-001L	VT-1	
72500	RC-R-1-NUT-32	B-G-1	B6.10	BOLTING	E-001L	VT-1	
72600	RC-R-1-NUT-33	B-G-1	B6.10	BOLTING	E-001L	VT-1	
72700	RC-R-1-NUT-34	B-G-1	B6.10	BOLTING	E-001L	VT-1	
72800	RC-R-1-NUT-35	B-G-1	B6.10	BOLTING	E-001L	VT-1	
73000	RC-R-1-NUT-37	B-G-1	B6.10	BOLTING	E-001L	VT-1	
66200	RC-R-1-STUD-27	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
66300	RC-R-1-STUD-28	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
66400	RC-R-1-STUD-29	B-G-1	B6.30	BOLTING ,	E-001L	UT, MT	
66600	RC-R-1-STUD-31	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
66700	RC-R-1-STUD-32	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
66800	RC-R-1-STUD-33	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
66900	RC-R-1-STUD-34	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
67000	RC-R-1-STUD-35	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
67200	RC-R-1-STUD-37	B-G-1	B6.30	BOLTING	E-001L	UT, MT	
77800	RC-R-1-WASHER-27	B-G-1	B6.50	BOLTING	E-001L	VT-1	
77900	RC-R-1-WASHER-28	B-G-1	B6.50	BOLTING	E-001L	VT-1	
78000	RC-R-1-WASHER-29	B-G-1	B6.50	BOLTING	E-001L	VT-1	
78200	RC-R-1-WASHER-31	B-G-1	B6.50	BOLTING	E-001L	VT-1	
78300	RC-R-1-WASHER-32	B-G-1	B6.50	BOLTING	E-001L	VT-1	
78400	RC-R-1-WASHER-33	B-G-1	B6.50	BOLTING	E-001L	VT-1	
78500	RC-R-1-WASHER-34	B-G-1	B6.50	BOLTING	E-001L	VT-1	
78600	RC-R-1-WASHER-35	B-G-1	B6.50	BOLTING	E-001L	VT-1	
78800	RC-R-1-WASHER-37	B-G-1	B6.50	BOLTING	E-001L	VT-1	
93200	RC-TK-1-B-1 TO 16	B-G-2	B7.20	BOLTING	E-001P-R3	VT-1	
43100	FLANGE (18)-B-1 TO 12	B-G-2	B7.50	BOLTING	0350B-R3	VT-1	•
51500	ORIFICE (10)-B-1 TO 8	B-G-2	B7.50	BOLTING	0354B-R1	VT-1	
63100	ORIFICE (9)-B-1 TO 4	B-G-2	B7.50	BOLTING	0247A-R3	VT-1	
79400	MOV-RH-720A-B-1 TO 16	B-G-2	B7.70	VALVE BOLTING	0107A-R4	VT-1	
52800	CONOSEAL BOLT ASSEMBLY 47	B-G-2	B7.80	BOLTS AND NUTS	E-001J-R3	VT-1	
32900	CONOSEAL BOLT ASSEMBLY 49	B-G-2	B7.80	BOLTS AND NUTS	E-001J-R3	VT-1	
63000	CONOSEAL BOLT ASSEMBLY 51	B-G-2	B7.80	BOLTS AND NUTS	E-001J-R3	VT-1	

APPENDIX I 1R14 Completed Code Exams

SUMMARY	COMPID	CAT	ITEM NO	DESCRIPTION	ISO NO	METHOD	COMMENTS
163100	CONOSEAL BOLT ASSEMBLY 53	B-G-2	B7.80	BOLTS AND NUTS	E-001J-R3	VT-1	
270800	DLW-LOOP3-7-S-02	B-J	B9.11	BUTT WELD	L-003B-R2	UT	Successive exam
025300	CH-140-7-F-11	B-J	B9.40	SOCKET WELD	0243A-R2	PT	Extra exam due to previous indication
025400	CH-140-8-S-07	B-J	B9.40	SOCKET WELD	0243A-R2	PT	Extra exam due to previous indication
058700	DG-56-3-F-03	B-J	B9.40	SOCKET WELD	0357A-R4	PT	Extra exam due to previous indication
721600	RH-E-1A-N-3	C-B	C2.33	NOZZLE-TO-VESSEL WELD	E-004A-R3	VT-2	·
721700	RH-E-1A-N-4	C-B	C2.33	NOZZLE-TO-VESSEL WELD	E-004A-R3	VT-2	
407500	SI-86-2-A-01	C-C	C3.20	WELDED ATTACHMENT	0194A-R3	PT .	
654000	SI-73-2-A-02	C-C	C3.20	WELDED ATTACHMENT	0375D-R3	PT	
800600	RS-P-2A-A-7	C-C	C3.30	WELDED ATTACHMENT	E-007C-R3	PT	
589500	SI-TK-2-STUD-6	C-D	C4.10	BOLTING	E-005B-R5	UT	
589600	SI-TK-2-STUD-7	C-D	C4.10	BOLTING	E-005B-R5	UT	
589700	SI-TK-2-STUD-8	C-D	C4.10	BOLTING	E-005B-R5	UT	
589800	SI-TK-2-STUD-9	C-D	C4.10	BOLTING	E-005B-R5	UT	
589900	SI-TK-2-STUD-10	C-D	C4.10	BOLTING	E-005B-R5	UT	
300200	RS-P-2A-1	C-G	C6.10	PUMP CASING WELD	E-007C-R3	PT	
800400	RS-P-2A-3	C-G	C6.10	PUMP CASING WELD	E-007C-R3	PT	
855200	CC-E-1A-A-1	D-A	D1.10	WELDED PAD FOR WS-1	E-010A-R1	VT-3	
355300	CC-E-1A-A-2	D-A	D1.10	WELDED PAD FOR WS-2	E-010A-R1	VT-3	
B56410	NS-E-1-A-01	D-A	D1.10	WELDED ATTACHMENT	0211A-R2	VT-3	
356500	NS-E-1-A-02	D-A	D1.10	WELDED ATTACHMENT	0211A-R2	VT-3	
357200	CH-TK-1A-A-1	D-A	D1.10	WELDED ATTACHMENT WS-1	E-010A-R1	VT-3	
357300	CH-TK-1A-A-2	D-A	D1.10	WELDED ATTACHMENT WS-2	E-010A-R1	VT-3	
357400	CH-TK-1A-A-3	D-A	D1.10	WELDED ATTACHMENT WS-3	E-010A-R1	VT-3	
357500	CH-TK-1A-A-4	D-A	D1.10	WELDED ATTACHMENT WS-4	E-010A-R1	VT-3	
320500	CC-51-6-A-01	D-A	D1.20	WELDED ATTACHMENT	0055A-R1	VT-3	
353750	CC-202-1-A-03 TO 06	D-A	D1.20	WELDED ATTACHMENT	0286A-R5	VT-3	
362700	FC-9-2-A-06	D-A ~	D1.20	WELDED ATTACHMENT	0070A-R1	VT-3	
363500	FC-9-2K-A-01 TO 04	D-A	D1.20	WELDED ATTACHMENT	0070B-R2	VT-3	
872600	WR-19-2-A-16 TO 17	D-A	D1.20	WELDED ATTACHMENT	0068A-R2	VT-3	•
374500	WR-19-6-A-05	D-A	D1.20	WELDED ATTACHMENT	0068A-R2	VT-3	
382200	WR-20-10-A-01 TO 02	D-A	D1.20	WELDED ATTACHMENT	0128A-R2	VT-3	·
008400	CH-140-A-PS-24	F-A	F1.10A	SUPPORT	0191A-R5	VT-3	
97700	RC-98-H-38	F-A	F1.10A	VALVE SUPPORT	0350B-R3	VT-3	
286700	SI-121-DS-1	F-A	F1.10D	SUPPORT	0106A-R5	VT-3	
287600	SI-101-DS-1	F-A	F1.10D	SUPPORT	0107A-R4	VT-3	

APPENDIX I 1R14 Completed Code Exams

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

APPENDIX I 1R14 Completed Code Exams

SUMMARY	COMPID	CAT	ITEM NO	DESCRIPTION	ISO NO	METHOD	COMMENTS
79500	CH-83-PS-R-1	F-A	F1.20R	SUPPORT	0269A-R1	VT-3	
316700	SI-2-R-17	F-A	F1.20R	SUPPORT	0083C-R5	VT-3	. • •
344200	SI-20-RH-2D-2	F-A	F1.20R	SUPPORT	0222A-R3	VT-3	
344500	SI-20-R-4D-2	F-A	F1.20R	SUPPORT	0222A-R3	VT-3	
351000	SI-72-R-306A	F-A	F1.20R	SUPPORT	0375D-R3	VT-3	
90700	RH-18-R-33	F-A	F1.20R	SUPPORT	0074B-R3	VT-3	
64300	RS-26-R-11	F-A	F1.20R	SUPPORT	0080B-R5	VT-3	
399020	QS-2-R-46	F-A	F1.20R	SUPPORT	0111C-R3	VT-3	
09850	QS-69-PSR-254	F-A	F1.20R	SUPPORT	0113B-R3	VT-3	
12790	QS-3-R-21	F-A	F1.20R	SUPPORT	0113B-R3	VT-3	Additional scope due to RH22 unsat
13150	QS-3-RH-23B	F-A	F1.20R	SUPPORT	0113B-R3	VT-3	Additional scope due to RH22 unsat
522000	SI-28-SH-66	F-A	F1.20S	SUPPORT	0109A-R5	VT-3	
348100	SI-30-SH-57A	F-A	F1.20S	SUPPORT	0223A-R4	VT-3	
701300	RH-8-SH-13	F-A	F1.20S	SUPPORT	0074C-R3	VT-3	
03995	QS-4-SH-11	F-A	F1.20S	SUPPORT	0111A-R9	VT-3	Additional scope due to RH22 unsat
12850	QS-3-RH-22	F-A	F1.20S	SUPPORT	0113B-R3	VT-3	
01270	QS-4-PSST-504	F-A	F1.20T	SUPPORT	0111C-R3	VT-3	
806100	WAPD-25-PSA001	F-A	F1.30A	SUPPORT	0775A-R2	VT-3	
53760	CC-202-A-15C-1	F-A	F1.30A	SUPPORT	0286A-R5	VT-3	
62100	WD-25-A-38	F-A	F1.30A	SUPPORT	0064A-R1	VT-3	
24100	CC-112-RH-25	F-A	F1.30H	SUPPORT	0131B-R1	VT-3	
04200	WAPD-1-R-19	F-A	F1.30R	SUPPORT	0065A-R2	VT-3	
05800	WAPD-25-PSR003	F-A	F1.30R	SUPPORT	0775A-R2	VT-3	
09700	CC-22-R-18	F-A	F1.30R	SUPPORT	0049A-R1	VT-3	
12100	CC-106-R-15	F-A	F1.30R	SUPPORT	0049B-R2	VT-3	
12500	CC-106-R-36	F-A	F1.30R	SUPPORT	0049B-R2	VT-3	
17600	CC-2-R-64	F-A	F1.30R	SUPPORT	0051B-R1	VT-3	
20600	CC-53-R-141	F-A	F1.30R	SUPPORT	0055A-R1	VT-3	
22300	CC-465-R-80	F-A	F1.30R	SUPPORT	0057A-R1	VT-3	
23800	CC-321-R-139	F-A	F1.30R	SUPPORT	0131A-R2	VT-3	
28500	CC-116-R-33C-1	F-A	F1.30R	SUPPORT	0164A-R3	VT-3	
31400	CC-248-R-16B-1	F-A	F1.30R	SUPPORT	0165A-R3	VT-3	
32800	CC-245-R-20D-2	F-A	F1.30R	SUPPORT	0166A-R3	VT-3	
41200	CC-114-R-15D-3	F-A	F1.30R	SUPPORT	0179A-R2	VT-3	
47261	CC-178-R-296	F-A	F1.30R	SUPPORT	0183A-R4	VT-3	
60900	WD-23-R-28	F-A	F1.30R	SUPPORT	0063A-R1	VT-3	

APPENDIX I 1R14 Completed Code Exams

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

APPENDIX II

ADDITIONAL or SUCCESSIVE EXAMINATIONS

APPENDIX II
Additional and Successive Examinations

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

APPENDIX III

DEFICIENCY REPORT SUMMARY

APPENDIX III 1R14 DEFICIENCY REPORT

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

APPENDIX IV

REPAIR/REPLACEMENT ABSTRACT AND NIS-2 FORMS

NIS-2 ABSTRACT

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

NIS-2 ABSTRACT

FORM NO.	MADV NI IMPED	WORK OPDER NO	COMMENTS
1460	MARK NUMBER CH-301	<u>WORK ORDER NO.</u> DCP-2386	<u>COMMENTS</u> Replacement
1400	CH-302	DCF-2300	nepiacement
N	CH-303	n	u
	CH-304	B	•
H	CH-305		u
#	CH-306	O	u
ti	FE-1CH-154	16	U
		u	Ħ
#	FE-1CH-155 FE-1CH-156	ti	u
H	1CH-501	8	u
tt .	1CH-501	u ·	
4			
u	1CH-508		
	1CH-513	•	
. #	1CH-515		•
	1CH-520	B.O. 7004000	Donair
1462	1RC-E-1A	P.O. 7024829	Repair
1463	1RC-E-1B	P.O. 7024829	Repair
1464	1RC-E-1C	P.O. 7024829	Repair
1480	RC-PSSP-20	01-001810-000	Replacement
4.404	RC-PSSP-129	·	Daniaaanant
1481	RC-PSSP-24A	01-001811-000	Replacement
, M	RC-PSSP-24B		u
u	RC-PSSP-25A		. 8
i.	RC-PSSP-115		ti
H.	RC-HSS-41A		i i
	RC-HSS-42A-B	ti	u
	RC-PSSP-301		
1482	RC-HC-11A	01-001812-000	Replacement
1483	WGCB-PCCP-46E	01-001813-000	Replacement
	WGCB-PCCP-46F	04 004047 000	Donloomont
1484	WGCB-PSSP-200C	01-001847-000	Replacement
	WGCB-PSSP-200D		Donlogsmont
1485	CC-HSS-403	01-001848-000	Replacement
1486	CC-HSS-402	01-001849-000	Replacement
1487	CC-HSS-021B	01-001850-000	Replacement
1488	CC-HSS-406A	01-001851-000	Replacement
	CC-HSS-406B	04 004050 000	Donlooment
1489	CC-HSS-407B	01-001852-000	Replacement
1490	CC-HSS-404	01-002680-000	Replacement
1491	WFPD-HSS-203	01-001854-000	Replacement
	WFPD-HSS-207		Danisaaaa
1492	WFPD-HSS-228	01-001855-000	Replacement
1493	SHP-HSS-208	01-001856-000	Replacement
#	SHP-HSS-209	.	· ,**

NIS-2 ABSTRACT

FORM NO.	MARK NUMBER	WORK ORDER NO.	<u>COMMENTS</u>
1494	RH-HSS-102	01-001859-000	Replacement
u	RH-HSS-109	8	ĸ
1495	RS-HSS-221	01-001871-000	Replacement
1496	WR-HSS-309	01-001872-000	Replacement
1497	WR-HSS-311	01-001873-000	Replacement
1498	WR-HSS-304A	01-001874-000	Replacement
u × .	WR-HSS-314	•	•
1499	WR-HSS-306	01-001875-000	Replacement
1500	SI-HSS-517	01-001877-000	Replacement
H ,	SI-HSS-518	a a	u
•	SI-HSS-519	•	44
1501	SI-HSS-514	01-001878-000	Replacement
#	SI-HSS-523B		#
1502	SI-HSS-410	01-001879-000	Replacement
1503	SI-HSS-417	01-001880-000	Replacement
1504	SI-HSS-420	01-001881-000	Replacement
4	SI-HSS-422	u e e e e e e e e e e e e e e e e e e e	u
1505	1RW-193	01-006738-000	Replacement

Form	No.	962

. Owner	F.E.N.O.C.	100 to	Dat	e	12-0	8-01	
76 South	(NAME) Main Street - Akro	on, OH 44308	She	et <u>1</u>	of	:	1
	(ADDRESS)						
2. Plant	Beaver Valley Po	ower Station	Uni	t No.	1	<u> </u>	
•	Shippingport, PA	15077	····	W.O.		65-000. No., JOB No.,	ETC.
3. Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	opticable
	Shippingport, PA	15077	Aut	horization No	·	. N/A .	·
	(ADDRESS)	,		iration Date _	· · · · · ·	4	
L Identificatio	n of System	Chemical and	Volume Control	(O2)			•
				:	1629.		
	Construction Code Edition of Section XI					<u>N/A</u> Code (Case
	on of Components				ponents	S	٠.
						Repaired Replaced,	ASME Code
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	or Replacement	Stamped (YES or NO)
Gate Valve	Velan Valve	N/A	N/A	1CH-26	1976	Repaired	No
•							
7. Description	of Work Repl	aced valve body	y to bonnet stud	s and nuts.			<u> ·</u>
	 						
	ucted: Hydrost		· · · · · · · · · · · · · · · · · · ·				

. Remarks No Code Data Report available.			·····
•	· ·	•	
		<u> </u>	
			•
CERTIFICAT	E OF COMPLIANCE		
We certify that the statements made in the report a the rules of the ASME Code Section XI.	re correct and this	Replacement Repair Or Replacement	conforms
pe Code Symbol Stamp <u>per NPDAP 8.5 "ASME Sec</u>	tion XI Repair/Replacement	and Repair/Alteration F	rogram"
	·		
ertificate of Authorization No. <u>N/A</u> E	xpiration Date	N/A	
10.0	garan kewalingan dan salih 		
gned Owner's Designee, Title	Date	December 8	, 20 <u>01</u>
Owner or Owner's Designed, Title	<u> </u>		
Owner's Report during the period 9/2 best of my knowledge and belief, the Owner has performed Owner's Report in accordance with the requirements of the	spected the components described to 12/19 dexaminations and taken correct ASME Code, Section XI.	Insurance Co. of ibedyin the 7/0/, and state that ective measures describe	t to the od in this
By signing this certificate neither the inspector nor his emp examinations and corrective measures described in this O shall be liable in any manner for any personal injury or pro-	wner's Report. Furthermore, n	either the inspector nor l	is employer
this inspection.			• .
Robert Cemoch	Commissions National Bo	509 (W,I) PA ard, State, Province, and Endors	2162 ements
Date Dec 19, 20 01	<u>.</u>		

Form	No.		1239

. Owner	F.E.N.O.C.	· ,	Da	te	03/22	2/2001	
76 South N	Main Street – Akı (ADDRESS)	on, OH 44308	Sh	eet <u>1</u>	o	f	1
. Plant	Beaver Valley F	ower Station	Un	it No.	-	1	
-	Shippingport, P. (ADDRESS)	A 15077		W.O. I	#99-215 ATION P.O	000-008 No., Johno.	, ETC.
Work Perfo	rmed By <u>BVPS</u>	6 - Maintenance	Тур	e Code Symbol	Stamp	Not /	Applicable
	Shippingport, P.	A 15077	Aut	thorization No		N/A	
	(ADDRESS)		Exp	oiration Date _		"	•
Identification	n of System	River Water (C	191				· . ·
(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	tion, <u>S'71</u> Addend <u>1989E</u> Diacements Com			Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES of NO)
Rubber cpansion Joint	Goodall	N/A	N/A	REJ-IRW-18A	1995	Replaced	No
Rubber tpansion Joint	Garlock	0-3209	N/A	REJ-1RW-18A	2000	Replace- ment	No
					·		
					·		
			_	i all studs and nu			

the rules of the ASME Code Section XI. Repair Or Replacement Type Code Symbol Stamp		installed.
We certify that the statements made in the report are correct and this		
We certify that the statements made in the report are correct and this	_	
We certify that the statements made in the report are correct and this		
per NPDAP 8.5 "ASME Section XI Repair/Replacement Program" per NPDAP 8.5 "ASME Section XI Repair/Replacement Program" pertificate of Authorization No		CERTIFICATE OF COMPLIANCE
igned CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/28/00 to 3/23/01 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions WB7509(X,T)/A2162 Inspector's Signature Commissions WB7509(X,T)/A2162	₩e o the	miles of the AOSIC O-d- O-d- VI
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/28/06 to 3/23/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions WB 7509 (V, T) PA 216 2 National Board, State, Province, and Endorsements	Гуре (code Symbol Stampper_NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/28/00 to 3/23/0/, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB 7509 WT DA 216 2 National Board, State, Province, and Endorsements M. J. 9.2	Certifi	ate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/28/06 to 3/23/0/, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB 7509 (V, T) PA 216 2 National Board, State, Province, and Endorsements	Signe	Owner or Owner's Designee, Title Expr. Date March 23rd , 20 01
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/28/06 to 3/23/0/, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB 7509 (V, T) PA 216 2 National Board, State, Province, and Endorsements		
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. Owner	F.E.N.O.C.		_ •	Date		03/23/	<u>/2001</u>	· · · · · · · · · · · · · · · · · · ·
76 South M	ain Street - Akro	on, OH 44308	_	Sheet	1	of	. 1	<u> </u>
. Plant	Beaver Valley Po	ower Station		Unit No) .	1		
	Shippingport, PA	15077	raja k	 	W.O. #	99-215 TION P.O.	794-000 No., Job No.,	ETC.
. Work Perfor	med By <u>BVPS</u>	- Maintenance		Туре С	ode Symbol	Stamp	Not A	policable
	Shippingport, PA	15077		Authori	zation No		N/A	
	(ADDRESS)			Expirat	ion Date _	1045	46	
. Identification	of System	River Water (Q	3)			, see		
(b) Applicable	Construction Code Edition of Section XI of Components	Utilized for Repairs	or Replaceme	nts <u>198</u>	39E	•		ase
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	1	Other [dentification	Year Buik*	Repaired, Replaced, or Replacement	ASMI Code Stamp (YES NO)
Dukkan	Goodall	N/A	N/A		ET 1DW/ 10D	1005		
Rubber Expansion Joint	Goodan		WA	K	EJ-1RW-19B	1995	Replaced	No
Expansion Joint Rubber	Garlock	N/A	N/A		EJ-1RW-19B	2000	Replaced Replace-	No No
xpansion Joint Rubber	Garlock	N/A					Replace-	
Expansion Joint Rubber	Garlock	N/A					Replace-	
xpansion Joint Rubber	Garlock	N/A					Replace-	
expansion Joint Rubber Expansion Joint	Garlock	N/A	N/A	R	EJ-1RW-19B	2000	Replace-	
xpansion Joint Rubber xpansion Joint	Garlock	N/A	N/A	R	EJ-1RW-19B	2000	Replace-	

CERTIFICATE OF COMPLIANCE		Stranger to the Contract of th	installed.
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement of the ASME Code Section XI. Replacement Correction XI. Replacement Program* Prope Code Symbol Stamp Per NPDAP 8.5 "ASME Section XI. Repair/Replacement Program* Certificate of Authorization No. N/A Expiration Date N/A Signed Cover or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components proceeding in the Owner's Report during the period Cover has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, ex			
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We certify that the statements made in the report are correct and this Replacement correct the ASME Code Section XI. Repair Or Replacement Type Code Symbol Stamp <u>per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"</u> Certificate of Authorization No. NA Expiration Date NA Signed Certificate of Authorization No. NA Expiration Date NA CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Dest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.	,		
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I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 6/29/00 to 3/23/0/, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with		ate N/A	rtificate of Authorization No. <u>N/A</u> Expiration Dat
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Commissions NB 7509 (N, I) PA21 (National Board, State, Province, and Endorsements	162		

Form No.	1241
FORM INC.	1241

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I. Owner	F.E.N.O.C.		Da	te	03/23	/2001	
	(NAME)	· .		•			
76 South N	Main Street - Akre (ADDRESS)	on, OH 44308	She	eet <u>1</u>	of	1	<u> </u>
	. 4.44						
. Plant	Beaver Valley P	ower Station	Un	it No	1		· · · · · · · · · · · · · · · · · · ·
	Objects and O	. 45077					
	Shippingport, PA	1 150//		REPAIR ORGANIZ	199-215	793-000	CTO
	(recentary)			neran Unganiz	AIRON P.O.	NO., JOB NO.,	EIU.
. Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Туг	e Code Symbol	Stamp	Not A	policable
•	Shippingport, PA		:	thorization No		N/A	
	(ADORESS)		Exp	oiration Date _	•	"	
l. Identificatio	n of System _	River Water (C	13)			•	:
5 (a) Annlinghia	Construction Code	ANCI DO	14 40 67 Edi	lion CIT4 Addond	_	N/A Code C	•
. (a) Applicable	Construction Code	ANSI B31	11 19 6/ Fat	oon, <u>571</u> Addenda	3,	NA Code C	as o
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements	1989E			
i. Identificatio	n of Components	Repaired or Re	placed and Re	placements Com	ponents	:	
						Repaired,	ASME
Name of	Name of	Manufacturer	National Board	Other	,	Replaced,	Code
Сопровен	Manufacturer	Serial No.	No.	Identification	Year Buik*	or Replacement	Stamped (YES or
						i e	NO)
	y.						
Rubber	Goodall	N/A	N/A	REJ-IRW-19A	1995	Replaced	No
Expansion Joint		•		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1		
- i.					l : l		
Rubber	Garlock	N/A	N/A	REJ-1RW-19A	2000	Replace-	No
Expansion Joint	1.2		and the second	e je we i je i je		ment	
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3. Tests Cond	lucted: Hydros	tatic 🔛 — Pho	eumatic 🗌	Nominal Operati	ing Pres	sure ⊠	
	Other [Pressure _	psi	Test Temp.		٥F	
			poi	. sor romp.		·	

<u>installed.</u>	A. A.	<u> </u>				49 41 -	•	
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		CERTIFICA	ATE OF C	COMPLIAN	CE		:	
	the statements in ASME Code Sec	made in the repor ction XI.	t are corre	ct and this		Replace Repair Or Re		_ conform
pe Code Symbo	ol Stamp <u>pe</u>	r NPDAP 8.5 "A	SME Secti	on XI Repa	air/Repla	cement Pro	gram"	_
ertificate of Auth	orization No.		Expiration	n Date		N/A		-
gned Kli	Owner or Owner's	Designee, Title	Eugr.	_ Date _	N	March 23rd		20 <u>01</u>
								
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and the State or P	Province of Pen	- //	y the Nationa mployed by finspected th	al Board of B Factor ne componer	Boiler and I y Mutual Ir nts describ	nsurance Co. ed in the	of	
and the State or P John Owner's Report do best of my knowle	Province of Pen nston, R.I. uring the period adge and belief, the	ommission issued by onsylvania and e	y the National mployed by finspected the second med examination of the second median of the second	al Board of E Factor ne componer to ations and ta	Soiler and I y Mutual Ir nts describ 3/23/ ken correc	nsurance Co. ed in the O/, and	of	o the
and the State or P John Owner's Report du best of my knowle Owner's Report in By signing this cer examinations and shall be liable in a	Province of Pennston, R.I. uring the period edge and belief, the accordance with the period edge and belief, the accordance with the edge.	ommission issued by ansylvania and en have	y the National mployed by finspected the Asme Comployer male Owner's Re	al Board of E Factor ne componer to ations and tal code, Section kes any warr poort. Further	30iler and in the describer of the descr	nsurance Co. ed in the O/, and tive measure essed or implither the insp	of d state that to es described lied, concern ector nor his	o the in this ing the employer
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Form	Nο	1258

Owner	F.E.N.O.C.		_ Dat	e	04/2	8/01	
76 South M	Main Street - Akro	on, OH 44308	_ She	et <u>1</u>	of		1
Plant	Beaver Valley P	ower Station	Uni	t No.	1	<u> </u>	
***************************************	Shippingport, P/	A 15077	<u>, t</u> t e	W.O. (00-0031 ATION P.O.	05-000 No., JOB No.,	ETC.
Work Perfor	rmed By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	pplicable
	Shippingport, P/	A 15077	Aut	horization No		N/A	
•	(ADDRESS)		Exp	oiration Date _		4	•
(a) Applicable	Edition of Section X	ANSI B31	.1 1967Edjt or Replacements	ion, <u>\$'71</u> Addenda <u>1989E</u>		٠,	Case
Identification	n of Components	Repaired or Re	placed and Rep	olacements Com	ponents)	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASMI Code Stampe (YES (YO)
neck Valve	Borg-Warner	75573	N/A	ISA-15	1982	Repaired	Ye:
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	of WorkDisa	ssembled valve	for maintenance	e, re-seal welded	on re-	assembly.	

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	ATE OF COMPLIANCE
•	
Ve certify that the statements made in the reported the ASME Code Section XI.	rt are correct and this Repair Or Replacement conform
Code Symbol Stamp per NPDAP 8.5 **A	ASME Section XI Repair/Replacement Program"
	74. -
ificate of Authorization NoN/A	Expiration DateNA
Owner or Owner's Designee, Title	Plaker Date April 28 th , 20 01
ne undersigned, holding a valid commission issued b	OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors
	employed by Factory Mutual Insurance Co. of
	inspected the components described in the 5/14/0/, and state that to the
	med examinations and taken corrective measures described in this
ner's Report in accordance with the requirements of	. ·
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	mployer makes any warranty, expressed or implied, concerning the
If he liable in any manner for any personal injury or s	owner's Report. Furthermore, neither the inspector nor his employer property damage or a loss of any kind arising from or connected with
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Robert Cimuch	Commissions NB 7509 (NJ) PA 2162
Inspector's Signature	National Board, State, Province, and Endorsements

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	Jorgensen Steel			
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	Kawa mich i	30 182 2318		٠.
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Company of the Accorded Suppose Suppose Suppose Suppose Suppose of Suppose Suppose of Su	TOTAL	Care Care Your Care No. 17. 3012 Terms. Care Care Year Select Terms. Care No. 2-125 Care No. 2-125 Care No. 2-125 Alvia C	CATTON OF O	SEGN TALL TO A LANGE AND A LAN	12/2000 12/2000
Companies of the Locards Summer Summer Tracles Committee Committee Committee Committee Committee Companies	TO ASME Come 7 177 12 74179 32 12 CANTINUM MARKET 201 ON THE SATURE 201 ON THE SATUR	Case Case Va. Case Case Va. To 3072 Te == 125 CERTIFIE CERTIFIE CAST Te == 125 CERTIFIE CAST Te == 125 CAST Te ==	CATTON OF O	SEGN TALL TO A LANGE AND A LAN	12/2000 12/2000
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Comments of the Accorded Suppose Suppo	TO AUTHOR 25 1 TO AUTHOR 1 TO AUTHOR 25 1 TO AUTHOR	Cattle Care to the Cattle Catt	EATION OF OUR TO SEE, 7300 THE CATE SHOP IN THE SEE SHOP IN THE SEC SHOP IN TH	SIGN	Canada Carana Vanishing to Managara Andrews of the Carana
Comments of the Accorded Suppose Suppo	TO ASSME Common 1777 LE TALTE 25 I CARRIED MARKET ON ON AREA STATE PROMINED ASSMER CARTIFOR BY LATE OR A Promined by [1] . Recorded by [1]	CATTIFICATION CANTIFICATION CALLESTING CANTIFICATION CANTIFICATION CALLESTING CALLESTING	EATION OF OUR TO SEE, 7300 THE CATE SHOP IN THE SEE SHOP IN THE SEC SHOP IN TH	ESIGN ESIGN TIM ESIGN TA Y/A Y/A Y/A Y/A Y/A Y/A Y/A	Canada Carana Vanishing to Managara Andrews of the Carana

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Form No.	1325

. Owner	F.E.N.O.C.		_	Date	•	03/22	2/2001	
76 South M	Main Street - Akre (ADDRESS)	on, OH 44308		She	et <u>1</u>	o	f	<u>. </u>
. Plant	Beaver Valley P	ower Station		Unit	No		1	
	Shippingport, P/	A 15077			W.O. #	199-215 ATION P.O.	801-000 No., JOB No.,	ETC.
. Work Perfo	rmed By* <u>BVPS</u>	- Maintenance		Туре	e Code Symbol	Stamp	Not A	policable
<u>.</u>	Shippingport, PA	A 15077		Auth	norization No		N/A	
	(ADDRESS)			Ехрі	iration Date		ĸ	
. Identification	n of System _	River Water (Q	3)					
(a) Applicable	Construction Code	ANSI B31	<u>.1 19 67 </u>	Edition	on, <u>S'71</u> Addenda	1,	N/A Code C	ase
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replaceme	ents	1989E			
. Identification	n of Components	Repaired or Re	placed and	Rep	lacements Com	ponent	s	
Name of Component	Name of Manufacturer	Manufacturer Serval No.	National Boar No.	ત	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Rubber	Goodall	N/A	N/A		REJ-1RW-6B	1995	Replaced	
xpansion Joint	·						1.optacou	No
Rubber	Garlock	.N/A	N/A		REJ-1RW-6B	2000	Replace-	
Rubber	• • • •		N/A				Replace-	
Rubber	• • • •		N/A				Replace-	
Rubber	• • • •		N/A				Replace-	
xpansion Joint	en de .	.N/A		and	REJ-1RW-6B	2000	Replace-	No
Rubber xpansion Joint	en de .			and	REJ-1RW-6B	2000	Replace-	

	ed.		<u> </u>			•
\		CERTIFIC/	ATE OF CO	IPLIANCE		
We certify the rules o	that the statement the ASME Code	ents made in the report Section XI.	l are correct a	nd this	Replacement	
ype Code S	ymbol Stamp	per NPDAP 8.5 "A	SME Section	XI Repair/Re	placement Program	<u>ı"</u>
ortificate of	Authorization No.	NA	Expiration Da	ate	N/A	
igned &	Witte Owner or O	hwner's Designee, Title	Engr. 1	Date	March 23rd	, 20 <u>01</u>
2000	•					
and the State Owner's Repo	or Province of	d <u>&////</u> f, the Owner has perform	nployed by inspected the co \(\begin{align*} \tilde{O} \\	Factory Mutual properties of the Samuel Samu	al Insurance Co. cribed in the	of that to the
and the State Owner's Repo	or Province of	Pennsylvania and en have i	nployed by inspected the co \(\begin{align*} \tilde{O} \\	Factory Mutual properties of the Samuel Samu	al Insurance Co. cribed in the	of that to the
owner's Repo best of my kn Owner's Repo By signing thi examinations	Johnston, R.I. Johnston, R.I. ort during the period nowledge and belief, ort in accordance w is certificate neither and corrective mea	Pennsylvania and en have it d S//L	inspected the control to to led examination the ASME Code inployer makes a Owner's Report	Factory Mutue omponents described and taken correction XI. any warranty, examples. Furthermore,	al Insurance Co. cribed in the driver in the critical in the	of that to the cribed in this oncerning the nor his employer

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Form	NO.	 1326

76 Coudh 14	(NAME)	on OH 44200	Ch.				4
76 South M	ain Street — Akro (ADDRESS)	<u>ж. Оп 44308 </u>	_ She	et <u>1</u>	of		
Plant	Beaver Valley P	ower Station	l Ini	t No.	. 1		
1 Hautt	(NAME)		- Other			<u> </u>	· · · · · · · · · · · · · · · · · · ·
	Shippingport, PA (ADDRESS)	\ 15077		W.O. #		726-003	
	(ADDITION)			NOTAR CHOMIZA	ATION P.U.	NO., JOB NO.,	EIU.
Work Perfor	med By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp		policable
· ·	Shippingport, PA	\ 15077	. · Aut	horization No. 🔟		N/A.	±
	(ADDRESS)			iration Date _		. «	
Identification	of System	Chemical and	Volume Control	(Class C)		e de la companya de La companya de la co	
(a) Applicable	Construction Code	Section II	19 68 Edit	ion. Addenda.		Code Case	9
	Edition of Section XI		·	• •	:		
			•				
Identification	of Components	Repaired or Re	placed and Rep	lacements Com	ponents	· ·	
						Repaired.	ASM
					1 1		
Name of Commonent	Name of	Manufacturer Serial No.	National Board No	Other Edentification	Year Ruile*	Replaced, or	Cod
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Replaced,	Cod Stam (YES
						Replaced, or	Cod Stern (YES NO
Component	Manufacturer	Serial No.	No.	identification	Buik*	Replaced, or Replacement	Cod Stamp (YES NO
Component Soric Acid	Manufacturer Cuno	Serial No.	No.	identification	Buik*	Replaced, or Replacement	Cod Stern (YES NO
oric Acid Filter	Manufacturer Cuno	Serial No.	No.	identification	Buik*	Replaced, or Replacement	Cod Stern (YES NO
Component Foric Acid	Manufacturer Cuno	Serial No.	No.	identification	Buik*	Replaced, or Replacement	Cod Stern (YES NO
oric Acid Filter	Manufacturer Cuno	Serial No.	No.	identification	Buik*	Replaced, or Replacement	Cod Stern (YES NO
oric Acid Filter	Manufacturer Cuno	Serial No.	No. 2614	identification	Buik*	Replaced, or Replacement	Cod Stern (YES NO
oric Acid Filter	Manufacturer Cuno	Serial No.	No. 2614	identification	Buik*	Replaced, or Replacement	Cod Stern (YES NO
oric Acid Filter	Manufacturer Cuno	Serial No.	No. 2614	identification	Buik*	Replaced, or Replacement	Cod Steam (YES NO
Component Soric Acid Filter	Manufacturer Cuno	Serial No.	No. 2614	identification	Buik*	Replaced, or Replacement	Cod Stamp (YES NO Ye
Component Coric Acid Filter	Manufacturer Cuno	Serial No.	No. 2614	identification	Buik*	Replaced, or Replacement	Cod Steam (YES NO
Oric Acid Filter	Cuno Engineering	Serial No.	No. 2614	ICH-FL-1	Buik*	Replaced, or Replacement	Cod Stern (YES NO
Oric Acid Filter	Manufacturer Cuno	Serial No.	No. 2614	ICH-FL-1	Buik*	Replaced, or Replacement	Cod Stern (YES NO
Component Oric Acid Filter	Cuno Engineering	Serial No.	No. 2614	ICH-FL-1	Buik*	Replaced, or Replacement	Cod Steam (YES NO

	rackets were stra	ichtened and weld r	epaired. *Year installe	d.
alla uro amasir.	IMMINETE TIEST			
	CERTIF	TCATE OF COMPLIA	NCE	
We certify that the statement the rules of the ASME Code	ents made in the re a Section XI.	port are correct and th	is <u>Repair</u> Repair Or Repl	31.7 10.76
pe Code Symbol Stamp _p	er NPDAP 8.5 "ASN	E Section XI Repair/Re	placement and Repair/Alt	eration Program"
ertificate of Authorization No	o. <u>N/A</u>	Expiration Date	N/A	
MAN MAN	. The American	Paga Aleksiya Da	franciski same	Land Commence
igned Skute	Lead	ENTRICE Date	December 11	. 2001_
Owner or (Owner's Designee, Title	J		
				232
I, the undersigned, holding a va	Pennsylvania an	nd employed byFac	tory Mutual Insurance Co.	
Johnston, R.I. Owner's Report during the period	od ·8	ave inspected the composition to	/2/13/0/, and	state that to the
Johnston, R.I.	odef, the Owner has per	1/18/0/ to formed examinations and	/2//3/6/, and taken corrective measures	
Johnston, R.I. Owner's Report during the perkipest of my knowledge and belie Owner's Report in accordance By signing this certificate neither examinations and corrective meshall be liable in any manner for	od	formed examinations and softhe ASME Code, Securis employer makes any withis Owner's Report. Fur	/2//3/6/, and taken corrective measures tion XI. varranty, expressed or implication the insperiments.	described in this ed, concerning the ctor nor his employer
Johnston, R.I. Owner's Report during the periodest of my knowledge and belie Owner's Report in accordance By signing this certificate neither examinations and corrective me	od	formed examinations and softhe ASME Code, Securis employer makes any withis Owner's Report. Fur	/2//3/6/, and taken corrective measures stion XI. varranty, expressed or implied the more, neither the inspendence of any kind arising from the taken to the taken the taken the taken t	ed, concerning the ctor nor his employer nor connected with

ment

Nominal Operating Pressure ⊠

Test Temp. _____oF

· -				Fo	rm No	· · · · · ·	1337
				NRS OR REPLA SME Code Sec		TS	
1. Owner	F.E.N.O.C.		_ Da	te <u>:</u>	03/22/	2001	
76 South	Main Street - Akre (ADDRESS)	on, OH 44308	_ She	eet <u>1</u>	of	1	
2. Plant	Beaver Valley P	ower Station	Uni	it No.	1		
· · · · · · · · · · · · · · · · · · ·	Shippingport, PA	\ 15077		W.O.	#99-2158 ATION P.O. 1	302-000 No., JOB NO.,	ETC.
3. Work Perfe	ormed By <u>BVPS</u>	- Maintenance	Туг	e Code Symbol			policable
•••	Shippingport, PA	15077	Aut	horization No		N/A	
•	(*25,435)		Exp	oiration Date _			
4. Identification	on of System _	River Water (Q	3)				
(b) Applicabl	le Construction Code le Edition of Section XI on of Components	Utilized for Repairs	or Replacements	1989E	•	<u>N/A</u> Code (Xase
7.				1	, po		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Rubber Expansion Joint	Goodall	81832	N/A	REJ-IRW-18C	1995	Replaced	No
Rubber	Garlock	0.2209	N/A	DEI IDW 10C	2000	Danlaga	Ma

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

Pneumatic 🔲 🔻

Pressure _____ psi

Hydrostatic [

Other [

Rubber **Expansion Joint**

8. Tests Conducted:

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,	•				As a rest of
		CERTIFICATE OF	F COMPLIANCE		
·					
	the statements ma ASME Code Section	ade in the report are co on XI.	rrect and this	Replacement Repair Or Replacement	confor
pe Code Symbo	l Stamp <u>per</u>	NPDAP 8.5 "ASME Se	ection XI Repair/	Replacement Program"	
ertificate of Autho	orization No.	<u>N/A</u> Expira	tion Date	N/A	
gned KU	Owner or Owner's De	Lead Eugr.	Date	March 23rd	_, 20 <u>01</u>
<u> </u>					
	•	CERTIFICATE OF INSI	ERVICE INSPECT	ION	
		en e	-		
, the undersigned,	holding a valid comm	mission issued by the Nat	ional Board of Boile	r and Pressure Vessel Inspe	ctors
and the State or Pr			•	utual Insurance Co. of	
	ston, R.I.	_ / . / .	d the components	27/61	
Owner's Report du	· ·	9/26/0		<u>23/0/</u> , and state the corrective measures describe	
	the state of the s	requirements of the ASM	•		ea in trus
Owners necordin			_ 0000, 000001170	•	
Owner's Report in					
	ificate neither the ins	spector nor his employer r	makes any warranty	r, expressed or implied, conce	eming the
By signing this cert examinations and c	corrective measures	described in this Owner's	Report. Furthermo	ore, neither the inspector nor l	his employer
By signing this cert examinations and o shall be liable in an	corrective measures	described in this Owner's	Report. Furthermo		nis employer
By signing this cert examinations and o shall be liable in an	corrective measures	described in this Owner's	Report. Furthermo	ore, neither the inspector nor l any kind arising from or conn	nis employer
By signing this cert examinations and o shall be liable in an	corrective measures	described in this Owner's	Report. Furthermo	ore, neither the inspector nor l any kind arising from or conn	nis employer
By signing this cert examinations and c	corrective measures	described in this Owner's ersonal injury or property d	Report. Furthermo	ore, neither the inspector nor l any kind arising from or conn	nis employe
By signing this cert examinations and o shall be liable in an	corrective measures	described in this Owner's prsonal injury or property d	Report. Furthermolamage or a loss of ormissions	ore, neither the inspector nor l any kind arising from or conn	his employer ected with

Form	No	1200
rom	NO.	1389

. Owner	F.E.N.O.C.		Dat	te	03/22	2/2001	
76 South I	Main Street - Akr	on, OH 44308	She	et <u>1</u>	o	f	1
. Plant	Beaver Valley P	ower Station	Uni	it No.		1	
	Shippingport, PA	A 15077		W.O. 1	#00-003	295-000	FIC
. Work Perfo	med By <u>BVPS</u>	6 - Maintenance	Туг	e Code Symbol		1048 113	
	Shippingport, PA	A 15077	Aut	horization No		N/A	
•	(ADDRESS)			oiration Date		"	
Identificatio	n of System _	River Water (Q					
(a) Applicable	Construction Code	ANSI B31	l <u>.1</u> 19 <u>67</u> Edit	ion, <u>S'71</u> Addenda	1 ,	N/A Code (Case
	Edition of Section XI	•	. .			•	,
Identificatio	n of Components	Repaired or Re	placed and Rep	placements Com	ponent	S	
Name of Component	Name of Manufacturer	Magufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES of NO)
Rubber xpansion Joint	Goodall	N/A	N/A	REJ-1RW-19C	1995	Replaced	No
							
Rubber epansion Joint	Gar <u>lo</u> ck	0-3301	N/A	REJ-1RW-19C	2000	Replace- ment	No
		0-3301	N/A	REJ-IRW-19C	2000		No
		0-3301	**		2000		No
		0-3301	**		2000		No
cpansion Joint							No
pansion Joint							No

. Hemarks <u>No Code L</u>	ata Report available. Previous NIS-2 Co	de Data Report No. 766. Year
installed.		State Hope Type
	CERTIFICATE OF COMPLIAN	NCE
		en e
We certify that the state the rules of the ASME Co	ments made in the report are correct and this ode Section XI.	Repair Or Replacement conform
ype Code Symbol Stamp	per NPDAP 8.5 "ASME Section XI Rep	pair/Replacement Program"
ertificate of Authorization	No. <u>N/A</u> Expiration Date _	NA NA
igned Kulke	or Owner's Designee, Title Date	March 23rd , 20 01
		and the second s
and the State or Province of	***************************************	ory Mutual Insurance Co. of
Johnston, R.I. Owner's Report during the po	eriod <u>8/9/60</u> to	3/23/6/ , and state that to the
	elief, the Owner has performed examinations and to be with the requirements of the ASME Code, Section	
By signing this certificate nei	ther the inspector nor his employer makes any war measures described in this Owner's Report. Furth for any personal injury or property damage or a lo	manty, expressed or implied, concerning the nermore, neither the inspector nor his employer
Robert Con	Commissions or's Signature	NB 7509 (NJ) PA 2162 National Board, State, Province, and Endorsements
Date Marc	L 23 20 01	

Form f	Ma		.1	390
romi	NO.			JULI

	 						
1. Owner	F.E.N.O.C.	· ·	Dat	e	12-1	3-01	
76 South M	Aain Street - Akro (ADORESS)	on, OH 44308	She	eet <u>1</u>	of		2
2. Plant	Beaver Valley Pe	ower Station	Uni	t No		<u> </u>	•
	Shippingport, PA	15077				381-006	
	(ADDRESS)	•		REPAIR ORGANIZA	ITION P.O.	NO., JOB NO.,	ETC.
3. Work Perfo	rmed By <u>BVPS</u>	- Maintenance (NAME)	Тур	e Code Symbol	Stamp	Not A	pplicable
<u> </u>	Shippingport, PA	15077	·Aut	horization No. $\underline{}$	• • • •	N/A	· · · · · ·
·.	(DS(DS))	•	Exp	oiration Date		e	
1 Identificatio	n of System	Gasanus Was	to (Class C)				• • •
5. (a) Applicable	Construction Code			Edition, W		_ Addenda,	N/A
Code Case	• • • •	•	•	* *		٠.	•
(b) Applicable	Edition of Section XI	Utilized for Repairs	s or Replacements	<u>1989E</u>			, ·.
6. Identificatio	n of Components	Repaired or Re	eplaced and Rep	placements Com	ponent	\$	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Vertical Tank	P. X. Engineering	318-P	100	1GW-TK-2	1972	Repaired	Yes
Studs	Nova Machine	N/A	N/A . 115	Ht #99694-SSY	2000•	Replace- ment	No
Nuts	Nova Machine	N/A	N/A	Ht #B87035-TGS	2000+	Replace- ment	No
Bolts	Nova Machine	N/A	N/A	Ht #HYV, EQC, VDK	2000+	Replace- ment	No
							·
7. Description		aced studs and	nuts on N1 blin	d flange location	, and bo	olts on bot	า 4"
8. *Tests Con			neumatic [Nominal Opera	tina Pre	essure \Box	
1000 CON	Other		psi	•	y . 10		*N/A

*Year installed.	· · · · · · · · · · · · · · · · · · ·
•	
CERTIFICATE OF C	NOME TANCE
CENTIFICATE OF C	COMPLIANCE
We certify that the statements made in the report are corrected rules of the ASME Code Section XI.	ct and this Replacement conform
pe Code Symbol Stamp per NPDAP 8.5 "ASME-Section XI F	Repair/Replacement and Repair/Alteration Program*
rtificate of Authorization No. <u>N/A</u> Expiration	Date
gned Klede Land Eyrsberg	Date <u>December 15</u> , 20 <u>01</u>
Owner's Report during the period ///2.9/0/ vest of my knowledge and belief, the Owner has performed examina	Factory Mutual Insurance Co. of the components described in the to 12/19/01, and state that to the stions and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME C	ode, Section XI.
by signing this certificate neither the inspector nor his employer make examinations and corrective measures described in this Owner's Rephall be liable in any manner for any personal injury or property daminis inspection.	port. Furthermore, neither the inspector nor his employer
Ø	·

.	As required L	.ne Provisions of	Filic ASME Co	ae Kules, Sectu).	1 1	
·	•						<u> </u>
1. Manufactured by P.	X. EMGINE	ERING CO.	as and addressed	Manufacturer)	Dannarius	ois Pous	n Co
Manufactured for Be	aver Vall	ev Power :	Unio Edis Station, Name and address	20100106	port, Peni	nsylvani	a
3. Type Vert.	_ KindTanl (Tank, facke	Verted Heat Exch.)	ssel No. (_318 (Mfrs.Ser	P) (State & S) Natl. Bd. !	No. <u>100</u> Y	r. Built <u>1972</u>
Items 4-9 incl. to be com	pleted for single w	all vessels (such as a				exchangers.	
4. SHELL: Materia SA - (Kind	240-304 T. I and Spec. No.)	S. <u>75,000</u> (Fig.or F.B.& Spe	Thick	nal Con ness1/4In. Allo	rosion owance In. Dian	n3_FtO_In. Lo	If riveted de-
5. SEAMS: Long Welde (Welde	ded Dbl. Bi d,Dbl.,Single,Lap,B	utti.T. No lutt) (Yes or No	R.T.Comp	lete Section Complete)	ned NO Effi (Yes or No)	iciency 100_%	scribe seams fully on re- verse side of form.
Girth Wel	ded_Dbl.Bu	tt.T. No	R.T.Comp	lete_Section	ned No No.of (Courses	- فنجــــننند
6. HEADS (a) Material Location (Top, bottom, ends) (a) 10D	SA-240-30E	T.S. rown Knuckle	75 UUU (b)	Material SA-2 Conical H	emispherical F	lat Side	75,000
(Top, bottom, ends)	Thickness R	adius Radius 36 ¹¹ 2 2 5	Ott Ratio	Apex Angle	Radius Dia	meter (Conver	cave
(b) Bottom	250	36" 2.25	0 ¹¹			Cor	rcave
If removable, bolts use	Material Spec	No., T.S., Size, Nuc	Other fast	tening	escribe or Attach S	Sketch)	<u> </u>
		•		e i si			
7. STAYBOLTS: (Mate	If hollow cial) (Siz	e of Hole)	ent (Threaded, We	elded) Pitch (Ho	oriz.) X — (Vert.)	Diam. (No	minal)
8. JACKET CLOSURE:		ogee & weld, bar,	•• •		<u> </u>	<u> </u>	
9. Constructed for max.		• • •	Mr. T.	- Cuban	Hydrostatic	Tort	
allowable working pre	ss ² 148 psi	at max. temp. A	ABF. less than	-20°)	FCombination	Press _22	2psi
Items 10 and 11 to be con			am In	Thickness I	n. Attachment _	· · · · · · · · · · · · · · · · · · ·	
in Tabe Sucers som	onary, material						24)
	(Kill)	id & Spec. No.) . (St	ubject to Pressure	•)		(Welded, Boli	icu)
Float	•	id & Spec. No.) . (St	ubject to Pressure	:)	• •	(Welded, Boli	
	ing Material(Kin	id & Spec. No.) . (St Dia id & Spec. No.)	ubject to Pressure	:) . Thickness I	n. Attachment _		
TUBES: Material (Kin	Material (Kin O.D.	d & Spec. No.) (So d & Spec. No.)	ubject to Pressure umIn	:) Thickness I Inches or Gage Num	n. Attachment _		ght or U)
THRES. Material	Material (Kin O.D.	d & Spec. No.) (So Dia d & Spec. No.) In. Thi	ubject to Pressure um la ckness ted vessels, or cha	:) Thickness I Inches or Gage Num unnels of heat excl	n. Attachment _		
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¹If postweld heat-treated. ¹List under remarks other internal or external pressures with coincident temperature when applicable.

SPECTION Mandoles, No. Size Lacation OpenNOS: Handblock, No. 2 Size I Location Helded to Shell. **SPECTION Mandoles, No. 2 Size I Location Helded to Shell. **SPECTION Mandoles, No. 5 Size Location Helded to Shell.** **SUPPORTS Skir.** **Were with the for service in a Muclear Power Plant. This is a Class from Muclear Vessel, Section VIII ASME Code. design information on file at Stone 5 Mepster Engineering Corporation, 225 Franklin Street, Boston, Massachusetts. 02107. **MK. No. 6W-TK-2* **Guided description of purpose of the wassel, as Air Tunk, After Conter, Jacketed Cooker, etc. State concent of each pers.** **We certify date the successors and in disc epoor sec corect and that all decails of design, material, construction, and workmannhip that severed conform to the ASME Code for Pressure Vessels, Section VIII, Division I. **No. 6W-TK-2* **Guided description of purpose of the wassel, as Air Tunk, After Conter, Jacketed Cooker, etc. State concent of each pers.** **We certify date the successors and in disc epoor sec corect and that all decails of design, material, construction, and workmannhip that severed conform to the ASME Code for Pressure Vessels, Section VIII, Division I. **No. 6W-TK-2* **Guided description of purpose of the wassel, as Air Tunk, After Conter, Jacketed Cooker, etc. State contents of each person.** **We certify date the successors and in discussion in the section of the successors and an evolution of the section of the Asket States and Analysis and Asket States and Asket S	• •	
OPENINGS: Handholes, No. 2 Size 4 Location Welded to Shell Threaded, No. 1 Size 5 Location Welded to Shell SUPPORTS SIZE (No. 1 Size 1 Location) SUPPORTS SIZE (No. 1 Legs 6 (No. 1 Legs		en e
Supports: Skire (Tes or No) Logs (Number) Logs (Number) REMARKS: Surge Tank for service in a Nuclear Power Plant. This is a Class Non Nuclear Vessel, Section VITI ASME Code, design information on file at Stone 8 Webster Engineering Corporation, 225 Franklin Street, Boston, Massachusetts 02107. MK, No., GV-TK-2 (Brief description of purpose of the vessel, as Ab Tend, After Cooler, Jacksted Cooler, etc. State contents of each pent.) MK, No., GV-TK-2 (Brief description of purpose of the vessel, as Ab Tend, After Cooler, Jacksted Cooler, etc. State contents of each pent.) MK, No., GV-TK-2 (Brief description of purpose of the vessel, as Ab Tend, After Cooler, Jacksted Cooler, etc. State contents of each pent.) MK, No., GV-TK-2 (Brief description of purpose of the vessel, as Ab Tend, After Cooler, Jacksted Cooler, etc. State contents of each pent.) MK, No., GV-TK-2 (Brief description of purpose of the vessel, as Ab Tend, After Cooler, Jacksted Cooler, etc. State contents of each pent.) MK, No., GV-TK-2 (Brief description of purpose of the vessel, as Ab Tend, After Cooler, Jacksted Cooler, etc. State contents of each pent.) MK, No., GV-TK-2 (Brief description of purpose of the vessel, as Ab Tend, After Cooler, Jacksted Cooler, etc. State contents of each pent.) MK, No., GV-TK-2 (Brief description of purpose of the vessel, as Ab Tend, After Cooler, Jacksted Cooler, etc. State contents of each pent.) Certificate of Authorization of purpose of the SM Cooler, etc. State contents of the Massachusetts Let undersigned, boffing a valid commission issued by the National Bool Boller and Pressure Vessel Impectors and/or turn that constructed this pressure versel and etc. The Assachusetts Let undersigned, boffing a valid commission issued by the National Board of ASME Boller and Pressure Vessel Impectors and/or turn the scatchuse of the SM Cooler, etc. State of Povince— And Pressure versel described in this amanufactu		IINGS: Handholes, No. 2 Size 4 Location Welded to shell
Nuclear Vessel, Section VIII ASME Code, design information on file at Stone & Webster Engineering Corporation, 225 Franklin Street, Boston, Massachusetts 62107. MK. No. GW-TK-2 (Brief description of pupper of the westel, at Air Tank, After Cooler, Jacketed Cooker, etc. State contents of each part.) We occuly that the statements made in this report are correct and that all details of design, material, construction, and wockmanship this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. November 8, 19 72 Signed P.X. ENCHNEERING CO., ING. A. B.	SUPP	ORTS Skire Lues Lees 4 Other Attachedielded to
At Stone & Webster Engineering Corporation, 225 Franklin Street, Boston, Massachusetts 62107. MK, No. GW-TK-2 (Brief description of purpose of the vessel, as At Tank, After Cooler, Jacketed Cooker, etc. State contems of each part.) We cestify that the statements made in this report are coorect and that all details of design, material, construction, and workmanship this vessel conform to the ASM Code for Pressure Vessels, Section VIII, Division 1. The Control of	REMA	RKS: Surge Tank for service in a Nuclear Power Plant. This is a Class "C"
We coaify that the statements made in this report are correct and that all details of design, material, construction, and workmanship this vessel coaform to the ASME Code for Pressure Vessels, Section VIII, Division I. 1. The undersigned, botting a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and Insurance transfer and section of any kind arising this constituted in the pressure vessel discribed in this manufacturer's data report. Furthermore, neither the Inspectors and years and employed by The National Board of Boiler and Pressure Vessel Inspectors and the Insurance transfer in spectors or his employer makes may warraty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspectors or his employer shall be liable in my manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. CERTIFICATE OF FIELD ASSEMBLY INSPECTION I, the undersigned, botding a valid commission issued by the National Board of Boiler and Pressure Vessel language or a loss of any kind arising from or connected with this inspection. Date NOVEMber 8. 19 72. CERTIFICATE OF FIELD ASSEMBLY INSPECTION I, the undersigned, botding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province— and employed by have compared the statements in this manufacturer's data report. Furthermore, neither the Inspector on this employer shall be liable in my manuer for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. CERTIFICATE OF FIELD ASSEMBLY INSPECTION I, the undersigned, botding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state manufacturer's data report. Furthermore, and the to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicab	<u> </u>	at Stone & Webster Engineering Corporation, 225 Franklin Street,
(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooker, etc. State contents of each part.) We certify that the assessments made in this report are correct and that all details of design, material, construction, and workmanship this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. November 8, 19 72 Signed P.X. ENGINEERING CO., INGV ABUNDANCE CO., INCV ABUNDANCE CO., INGV ABUNDANCE CO., INCV ABUNDAN		
We certify that the stratements made in this report are correct and that all details of design, material, construction, and workmanship this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division I. 1. November 8, 19 72 Signed P.X. ENGINEERING CO., ING. A. Buddheetk Manadedure of Manade	<u> </u>	
VESSEL MADE BY P. X. ENGINEERING CO. INC. at Woburn, Massachusetts I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and/or the State or Province Massachusetts bave inspected the pressure vessel described in this manufacturer's data report on November 8. 19 72 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boller and Pressure Vessel Code. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date November 8. 19 72 Commissions NBS III AM III Board, State, Province and No. ** Factory Mutual Group of Insurance Companies CERTIFICATE OF FIELD ASSEMBLY INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province — and employed by — have compared the statements in this manufacturer's data report with the described pressure vessel and state that parts referred to as data Items — for included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME Böiler and Pressure Vessel Code. The described vessel was inspected by me and that to the best of my knowledge and belief in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date — 19——————————————————————————————————	this v	lovember 8, 19 72 Signed P.X. ENGINEERING CO., INBy A Bradwerk
VESSEL MADE BY P. X. ENGINEERING CO. INC. at Woburn, Massachusetts I, the undersigned, bolding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and/or the State or Province. Massachusetts bave inspected the pressure vessel described in this manufacturer's data report on November 8. 19.72 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boller and Pressure Vessel Code. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manuer for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date November 8. 19.72 Commissions NBS III The MILL HALL HALL HALL HALL HALL HALL HALL H		
turer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any mananer for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date November 8. 19 72 Commissions NBS 19 AME 19		VESSEL MADE BY P.X. ENGINEERING CO., INC. at Woburn, Massachusetts I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and/or the State or Province Massachusetts and employed by Mutual Boiler & Mach. Ins. Co of Waltham, Massachusetts have inspected the pressure vessel described in this manufacturer's
In any manner for any personal injury or property damage of a loss of any kind arising from or connected with this inspection. Date November 8, 19 72 Commissions Signature Commissions Signature Commissions Nat'l Board, State, Province and No. Factory Mutual Group of Insurance Companies CERTIFICATE OF FIELD ASSEMBLY INSPECTION		turer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
CERTIFICATE OF FIELD ASSEMBLY INSPECTION 1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province and employed by of have compared the statements in this manufacturer's data report. with the described pressure vessel and state that parts referred to as data items not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief, the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME. Boiler and Pressure Vessel Code. The described vessel was inspected and subjected to a hydrostatic test of psi. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date		in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date November 8. 19 72 Commissions NB5/19 TaWC. 1406
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province		Factory Mutual Group of Insurance Companies
have compared the statements in this manufacturer's data report with the described pressure vessel and state that parts referred to as data items not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief, the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code. The described vessel was inspected and subjected to a hydrostatic test of		
not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code. The described vessel was inspected and subjected to a hydrostatic test of	-	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date	7.3	not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME
Commissions	· · · · · · · · · · · · · · · · · · ·	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable
	į	Commissions

Form No.	1393

Owner			Date	·	10-1	7-01	
76 South N	(NAME) Main <u>Street — Akro</u> (ADDRESS)	on, OH 44308	_ She	et <u>1</u>	of	1	·
Plant	Beaver Valley Po	ower Station	Unit	No	1	<u></u>	ىنە <u></u>
	Shippingport, PA (ADDRESS)	15077	<u> </u>	O. 01-001844-000, REPAIR ORGANIZA			
Work Perfo	rmed By <u>BVPS</u>	-Maintenance	Туре	e Code Symbol	Stamp	<u></u>	<u>'</u>
	Shippingport, PA	15077	Auth	norization No. $_$,	N/A	
•	(ADDRESS)	•	• .	iration Date _		«	
1 .d	of Comtons	Chamical 9 Val	kuma Cantral (A	۵۱			
Identificatio	n of System	Chemical & Vol	iume Control (Q	<u> </u>			
	Construction Code				<u> </u>	_ Code Case	N/A
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements.	1989			
Identification	on of Components	Repaired or Re	placed and Rep	lacements Com	ponents	3	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Pump	Pacific Pumps	BN-52799-01		ICH-P-1A	1985	Replace- ment	No
* Pump	Pacific Pumps	49191	112	1CH-P-1A	1976	Replaced	Yes
Inner Seal Housing	Ingersoll-Rand	N/A	N/A	Ht #31162	2000	Replace- ment	No
Outboard Seal Housing	Ingersoll-Rand	N/A	N/A	Ht #31162	2000	Replace- ment	No
					1		L
rve					<u> </u>		•
Description	of Work <u>Repl</u>	aced pump, inboa	ard & outboard sea	al housings and c	apscrew	s, pump dis	charge support
Description	n of Work <u>Repl</u> I nuts, pump inlet a	aced pump, inboa nd outlet flange st	rd & outboard sec uds and nuts, sec	al housings and c	apscrew iping, an	s, pump dis d reworked	charge support
Description	l nuts, pump inlet a	nd outlet flange st	uds and nuts, sec	al housings and c tions of lube oil p Nominal Operat	iping, an	d reworked	charge support

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No:1215. Replaced pump
with spare for overhaul. Replaced sections of pump lube oil piping to eliminate threaded joints
that were leaking per Code Case N-416-1. Reworked lube oil supports: PSR-003,-006, -007, -008,
-009, -011, -012, -013. Pump S/N 49191was built to ASME Sect. III 1971E. ALL studs, nuts and
capscrews were supplied by Nova Machine to ASME Sect. III Class 1, 1986E.
CERTIFICATE OF COMPLIANCE
la contra de la companya de la comp
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
The Date of the Court of ASDAD and Season VI. Panair/Panalacoment and Panair/Attention Program"
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Sluve Land European Date November 30 , 20 01
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
the Aleksan Market of the American Secretary Secretary Secretary Secretary Vocad Inspectors
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
2/26/21
Ottober damig are person
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Connects Commissions NB7509(N,I) PA2162. Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date

Form	No.	1	1396

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

Owner	F.E.N.O.C.		_ Date	•	10-1	0-01	
76 South M	lain Street - Akro	on, OH 44308	_ She	et <u>1</u>	of	1	<u> </u>
							•
Plant	Beaver Valley Po (NAME)	ower Station	Unit	No	1	<u></u>	
	Shippingport, PA	15077		W.O. (01-0013		ETC
Made Desta							
Work Penoi	med By <u>BVPS</u>	-Maintenance (NAME)		e Code Symbol	Stamp	<u> </u>	<u>VA</u>
	Shippingport, PA	<u>\ 15077</u>	Auth	norization No		N/A	
			Exp	iration Date	i dina	4	
Identification	n of System	Chemical & Vo	lume Control (C	(2)		<u> </u>	•
(a) Annlicable	Construction Code	ANSI R31	1 19 67 Fditi	on S'71 Addends		N/A Code C	lase.
	and the second				٠,	IVA Code C	∠as e
(b) Applicable	Edition of Section XI	Ounzed for nepairs	or neplacements_	1909			
		•					
Identification	n of Components	Repaired or Re	placed and Rep	lacements Com	ponents	3	
Identification	n of Components	Repaired or Re	placed and Rep	lacements Com	ponents	Repaired,	
Identification Name of Component	Name of Manufacturer	Manufacturer Serial No.	placed and Rep National Board No.	Other Identification	year Buik		ASMI Code Stamps (YES NO)
Name of Сопромен	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced, or	Code Stamp (YES NO)
Name of Сопромен	Name of Manufacturer	Manufacturer Serial No.	Nucional Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	Code Stamp (YES NO)
Name of Сопромен	Name of Manufacturer	Manufacturer Serial No.	Nucional Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	Code Stamp (YES NO)
Name of	Name of Manufacturer	Manufacturer Serial No.	Nucional Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement Replacement	Code Stamp (YES
Name of Сопромен	Name of Manufacturer	Manufacturer Serial No.	Nucional Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement Replacement	Code Stamp (YES NO)
Name of Соптроменя	Name of Manufacturer	Manufacturer Serial No.	Nucional Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement Replacement	Code Stamp (YES NO)
Name of Сопукмен	Name of Manufacturer	Manufacturer Serial No.	Nucional Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement Replacement	Code Stamp (YES NO)
Name of Соптроменя	Name of Manufacturer	Manufacturer Serial No.	Nucional Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement Replacement	Code Stamp (YES NO)
Name of Component	Name of Manufacturer	Manufacturer Serial No. N/A	Nutional Board No. N/A	Other Identification CH-R-53	Year Buik	Repaired, Replaced, or Replacement Replacement	Code Stamp (YES NO)
Name of Component	Name of Manufacturer FENOC	Manufacturer Serial No. N/A	Nutional Board No. N/A	Other Identification CH-R-53	Year Buik	Repaired, Replaced, or Replacement Replacement	Code Stamp (YES NO)

Remarks <u>Pipe support was removed and reinstalled to correct fo</u>	r seismic clearances on	discharge
piping following pump 1CH-P-1A replacement.		
		·
		· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE		
		• • • • • • • • • • • • • • • • • • • •
We certify that the statements made in the report are correct and this	Replacement	conforms
the rules of the ASME Code Section XI.	Repair Or Replacement	•
ype Code Symbol Stamp <u>per 1/2-ADM-0801 "ASME Section XI Repair/Replace</u>	cement and Repair/Alteration	Program*
ertificate of Authorization No. <u>N/A</u> Expiration Date	N/A	_ '.
igned De Correct Designee, Title Date	October 10	, 20 <u>01</u>
Official of Official S Designate, filled		
I, the undersigned, holding a valid commission issued by the National Board of Boile and the State or Province of Pennsylvania and employed by Factory Miles		tors
Johnston, R.I. have inspected the components of		
	///6 / , and state that	
best of my knowledge and belief, the Owner has performed examinations and taken Owner's Report in accordance with the requirements of the ASME Code, Section XI.		d in this
Owner's report at accordance with the requirements of the ASME Code, Section XI.		
By signing this certificate neither the inspector nor his employer makes any warranty	, expressed or implied, concer	mina the
examinations and corrective measures described in this Owner's Report. Furthermo		
shall be liable in any manner for any personal injury or property damage or a loss of		
this inspection.		
	•	
Bobert Commissions NB	7509(NT) PA 3	2162
	nal Board, State, Province, and Endorse	ments _
6 + 11		
Date	•	• •

Form	Nο	1398

-	Owner	F.E.N.O.C.		_ Dat	e	12-1	4-01	
	76 South M	lain Street Akro (ADDRESS)	on, OH 44308	She	eet <u>1</u>	of	1	
•	Plant	Beaver Valley P	ower Station	Uni	t No		<u> </u>	·
		Shippingport, PA (ADDRESS)	15077		W.O.		751-000 NO., JOBNO.,	ETC.
•	Work Perfor	med By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not Ar	opticable
		Shippingport, PA	15077	Aut	horization No		N/A	
		(ADORESS)			oiration Date _			
			•					,
•	Identification	n of System	Reactor Coolar	nt (Class A)			<u> </u>	
•	(a) Applicable	Construction Code	Section III	19 <u>68</u> Edition, -	Addenda, 13	55	Code Case	
		Edition of Section X			•	•		
•	Identification	n of Components	Repaired or Re	placed and Rep	olacements Com	ponents	5	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
	Pump	Westinghouse	3-618J931G01		IRC-P-1C	1976	Repaired	Yes
_								
		·						
_						1 m		
			,					

	Previous NIS-2 Data Report No. 914.
	CERTIFICATE OF COMPLIANCE
We certify that the statements mad the rules of the ASME Code Section	de in the report are correct and this <u>Replacement</u> conform n XI. Repair Or Replacement
pe Code Symbol Stamp per NPDA	P 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"
ertificate of Authorization No. No.	VA Expiration DateN/A
gned LUG	Land Eugene Date December 14 , 20 01
e of the standard halden a solid comm	riceion incued by the National Board of Boiler and Pressure Vessel Inspectors
I, the undersigned, holding a valid command the State or Province of	nission issued by the National Board of Boiler and Pressure Vessel Inspectors <u>ylvania</u> and employed by <u>Factory Mutual Insurance Co.</u> of
and the State or Province of <u>Pennsy</u> Johnston, R.I.	nission issued by the National Board of Boiler and Pressure Vessel Inspectors wivania and employed by <u>Factory Mutual Insurance Co.</u> of have inspected the components described in the 100 12/1901 and state that to the
and the State or Province of Pennsy Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Ow	vivania and employed by <u>Factory Mutual Insurance Co.</u> of have inspected the components described in the
Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Owner's Report in accordance with the r By signing this certificate neither the insexaminations and corrective measures of	have inspected the components described in the
Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Owner's Report in accordance with the r By signing this certificate neither the insexaminations and corrective measures of	have inspected the components described in the

1400

	FENOO	* * *				0.04	
. Owner	F.E.N.O.C. (NAME)	•	_ Dat	(e	10-0	9-01	
76 South M	lain Street — Akro (ADDRESS)	on, OH 44308	She	et <u>1</u>	o	44 	<u> </u>
. Plant	Beaver Valley Po	ower Station	Uni	t No.		1	
	Shippingport, PA	15077	<u> </u>	W.O. (266-000 No., JOB No.,	ETC.
. Work Perfor	rmed By <u>BVPS</u>	-Maintenance (NAME)	Т	e Code Symbol	Stamp		√ A
\$	Shippingport, PA	15077	Aut	horization No	· !	N/A	· · · · · · · · · · · · · · · ·
	(ADORESS)		- Exp	oiration Date		· «	
. Identification	n of System	Safety Injection	ı (Q2)	· · · · · · · · · · · · · · · · · · ·			. :
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements_	ion, <u>\$'71</u> Addenda 1989 placements Com		<u>N/A</u> Code (Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Edentification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
		F2.0T		-		Array Trans.	• •
Gate Valve	Flowserve	E318T-1-1	N/A	MOV-1SI-867A	2001	Replace- ment	No
	Flowserve Westinghouse	£3181-1-1	17451	MOV-1SI-867A MOV-1SI-867A	2001 1978		No Yes
Gate Valve		£3181-1-1 *				ment	
Gate Valve		£3181-1-1 *				ment	
Gate Valve		£3181-1-1 *				ment	
Gate Valve		£3181-1-1 *				ment	
Gate Valve		*	17451			ment	
Gate Valve	Westinghouse	*	17451			ment	
Gate Valve	Westinghouse	*	17451			ment	

N-416-1 and ECP-11. New valve is designed to	
	11. 1
CERTIFICATE C	OF COMPLIANCE
We certify that the statements made in the report are cethe rules of the ASME Code Section XI.	orrect and this Replacement conform
/pe Code Symbol Stamp per 1/2-ADM-0801 *ASME Section	on XI_Repair/Replacement and Repair/Atteration Program*
and the second of the second o	
ertificate of Authorization No. N/A Expir	ation DateNA
igned SCUTE Lead Engli	Date October 9 , 20 01
I, the undersigned, holding a valid commission issued by the N and the State or Province of <u>Pennsylvania</u> and employe	SERVICE INSPECTION ational Board of Boiler and Pressure Vessel Inspectors of the components described in the
	to //8/0/, and state that to the
best of my knowledge and belief, the Owner has performed excover's Report in accordance with the requirements of the AS	aminations and taken corrective measures described in this
shall be liable in any manner for any personal injury or property	r's Report. Furthermore, neither the inspector nor his employer
Robert Cemverh Inspector's Signature	Commissions NB 7509 (N, I) PA 2162 National Board, State, Province, and Endorsements
Date Nov. 8 . 20 01	National Board, State, Frontico, and Literature

				7.	
Form	NΩ	•			1402

l. Owner	F.E.N.O.C.		Dat	e	10-1	0-01	،
	(NAME)						
76 South N	Main Street - Akro (ADDRESS)	on, OH 44308	She	et <u>1</u>	of		<u> </u>
2. Plant	Beaver Valley Po	ower Station	Uni	t No.	1		
	Shippingport, PA	15077		W.O. (01-0112 TION P.O.	40-000 NO., JOB NO.,	ETC.
3. Work Perfo	rmed By <u>BVPS</u>	-Nuclear Const		e Code Symbol	Stamp		√ A
	Shippingport, PA	15077	Aut	horization No	· (* *	N/A	
	(25,125)	•	- Exp	oiration Date _	•	a .	
4. Identificatio	n of System	River Water (O3)		;		i •
	Construction Code			tion, <u>\$'71</u> Addenda	١,	N/A Code (Case
(b) Applicable	Edition of Section XI	Utilized for Repair	rs or Replacements	1989			•
6. Identificatio	n of Components	Repaired or R	eplaced and Rep	placements Com	ponents	;	. •
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Pipe Support	FENOC	N/A	N/A	H-67A	2001	Replace- ment	No
•		• • ·			1		
		•					
							•
							-
7. Description	of Work Pipe	support was re	emoved and rein	stalled.	· · · · · · · · · · · · · · · · · · ·		
			*				

			ed pipe leak.	
- 1				
				<u> </u>
· ·				•.
·				
	CERTIFICAT	E OF COMPLIANCE	±	
We certify that the statemer		re correct and this _		conforms
to the rules of the ASME Code	Section XI.		Repair Or Replacement	The state of the s
Type Code Symbol Stamp <u>per</u>	<u>г 1/2-ADM-0801 "ASME S</u>	ection XI Repair/Repla	cement and Repair/Alteration	n Program"
		•	to the transfer of the second	
Certificate of Authorization No.	. <u>NA</u> E	Expiration Date	N/A	· ·
10,50	1 1-	•		
Signed JULY Owner or On	wner's Designee, Title	Date	October 10	_, 20 <u>01</u>
Omits of Or	Wilet 2 Desilities 1100	<u> </u>		<u>, st. mark mat i</u>
I, the undersigned, holding a valiand the State or Province of	Pennsylvania and emp haye ins d 4/25	ployed by <u>Factory N</u> spected the components // to //	futual Insurance Co. o described in the O////o/, and state the	f at to the
best of my knowledge and belief. Owner's Report in accordance w	•			ed in this
By signing this certificate neither examinations and corrective mea	•	-		-
shall be liable in any manner for				
this inspection.			and the second second	i jer
Probert Com	D	Commissions <i>VB</i>	7559(NT) Pi	91129
Inspector's S	Ngnature	Nati	onal Board, State, Province, and Endors	sements
Inspector's S	Signature	National Nat	onal Board, State, Province, and Endon	sements

Form No.	1403	

1. Owner	F.E.N.O.C.			Date	12-1	0-01	
76 South M	Main Street - Akro (ADDRESS)	on, OH 44308		Sheet 1	of	·	1
2. Plant	Beaver Valley Pe	ower Station	1	Unit No.		1	
	Shippingport, PA (ADDRESS)	15077		W.O. REPAIR ORGANIZA			ETC.
3. Work Perfo	rmed By <u>BVPS</u>	- Maintenance		Type Code Symbol	Stamp	Not A	pplicable
	Shippingport, PA	15077		Authorization No. 🔄	·	N/A	·
	,		I	Expiration Date _		#	
4. Identification	n of System	River Water (C	(3)				· .
5. (a) Applicable Code Case	Construction Code	ANSI B16.	5 19 <u>_</u> 6	Edition,		_ Addenda,	·
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacemen	nts <u>1989E</u>			
6. Identification	n of Components	Repaired or Re	placed and l	Replacements Com	ponents	3 .	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buikt	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Ball Valve	Contromatics	N/A	N/A	1RW-127	1976	Repaired	No
Ball	Contromatics	N/A	N/A	Ht #33757-WD	2001	Replace- ment	No
	·				-		
		· · · · · · · · · · · · · · · · · · ·					
7. Description	of Work Repl	aced valve ball.		1	-		
						•	
8. *Tests Cond	ducted: Hydros	static Pr	eumatic 🗌	Nominal Opera	ling Pre	ssure 🔲	
	Other [Pressure _		osi Test Temp.	•	°F '	'N/A

Remarks No Code Data Report available. *Year in	stalled.
CERTIFICATE OF	COMPLIANCE
We certify that the statements made in the report are con the rules of the ASME Code Section XI.	rect and this Replacement conform
pe Code Symbol Stamp per NPDAP 8.5 "ASME Section XI	Repair/Replacement and Repair/Alteration Program*
pe coup cymbol camp <u>por man a co</u>	•
ertificate of Authorization No. <u>N/A</u> Expirati	on Date
and Awa Lead Eyri	Date <u>December 10</u> , 20 <u>01</u>
Owner or Owner's Designee, Title	
I, the undersigned, holding a valid commission issued by the National the State or Province of Pennsylvania and employed I Johnston, R.I. have inspected. Owner's Report during the period Jojo Jojo Dest of my knowledge and belief, the Owner has performed exam Owner's Report in accordance with the requirements of the ASMI	the components described in the to /2//4/0/, and state that to the inations and taken corrective measures described in this Code, Section XI.
By signing this certificate neither the inspector nor his employer nexaminations and corrective measures described in this Owner's shall be liable in any manner for any personal injury or property dethis inspection.	Report. Furthermore, neither the inspector nor his employer
Robert Cemoch a	ommissions WB7509(NJ)PA2162 National Board, State, Province, and Endorsements
Date Dec 14 , 20 01	

Form	No	٠.	1405	÷
COHIL	INU.		. 1403	

Owner	F.E.N.O.C.	·	_ Date	э	12-1	7-01	
76 South N	Main Street - Akro	on, OH 44308	She	et 1	of	· · · · · 1	·
	(ADORESS)		_				
Plant	Beaver Valley Po	ower Station	Unit	No.	1	<u> </u>	
	Shippingport, PA	\ 15077		w o	#01-000	486-000	
	(ADDRESS)			REPAIR ORGANIZ			ETC.
Work Perfo	rmed By <u>BVPS</u>		Т	e Code Symbol	Stamp	Not A	policable
	01:1:-1:	(NAME)	A			21/4	
	Shippingport, PA (ADDRESS)	4 150 <i>/ /</i>		norization No			
			Exp	iration Date	· ·		
Identificatio	n of System	Chemical and \	/olume Control	(Q2)	· · · · ·		
(a) Apolicable	Construction Code	ANSI B16	.5 19 68 Edit	on. N/A Addend	a.	N/A Code C	Case
	Edition of Section X	•			*	- 	
	n of Components				nonont	.	
ideimicatio	ir or components	s repaired of ite	hierea ana met	vadeinetre con	houetin	·	
					. 1	Repaired,	ASM
	•					Replaced,	Code
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Replaced, or Replacement	Code Stamp (YBS
Component	Manufacturer	Serial No.	No.	Identification	Buik*	or Replacement	Code Stamp (YES NO)
	Manufacturer					Of .	Code Stamp (YES NO)
Component Check Valve	Manufacturer	Serial No.	No. N/A	Identification	Buik*	or Replacement	Code Stamp (YES NO)
Component	Manufacturer Velan	Serial No.	No.	Identification	1976	Replacement Repaired	Code Stanip (YES NO)
Component Check Valve	Manufacturer Velan	Serial No.	No. N/A	Identification	1976	Replacement Repaired:	Cod Stanig (YES NO
Component Theck Valve	Manufacturer Velan	Serial No.	No. N/A	Identification	1976	Replacement Repaired:	Cod Stanip (YBS NO)
Component Theck Valve	Manufacturer Velan	Serial No.	No. N/A	Identification	1976	Replacement Repaired:	Cod Stania (YES NO
Component Check Valve	Manufacturer Velan	Serial No.	No. N/A	Identification	1976	Replacement Repaired Replace	Cod Stania (YES NO
Component Theck Valve	Manufacturer Velan	Serial No.	No. N/A	Identification	1976	Replacement Repaired Replace	Cod Stanig (YES NO
Component Theck Valve	Manufacturer Velan	Serial No.	No. N/A	Identification	1976	Replacement Repaired Replace	Cod Stania (YES NO
Component Theck Valve	Manufacturer Velan	Serial No.	No. N/A	Identification	1976	Replacement Repaired Replace	Cod Stania (YES NO
Component Theck Valve Disc	Manufacturer Velan	Serial No. N/A 2668	No. N/A	Identification	1976	Replacement Repaired Replace	Cod Stanig (YES NO
Component Check Valve Disc	Velan Velan	Serial No. N/A 2668	No. N/A	Identification	1976	Replacement Repaired Replace	Cod Stanip (YBS NO)

installed.				
				•
	CERTIFICATE OF CO	MPLIANCE		
We certify that the statements not the rules of the ASME Code Sec	tion XI.		Replacement Replacement	
pe Code Symbol Stamp <u>per NP</u>	DAP 8.5 *ASME Section XI_R	epair/Replacement	and Repair/Alteration	Program"
ertificate of Authorization No.	N/A Expiration	Date	N/A	
10.0	en e			
gned MUSE	Designee, Title	DateDe	ecember 17	., 20 <u>01</u>
	CERTIFICATE OF INSERVI	CE INSPECTION		
, the undersigned, holding a valid co	CERTIFICATE OF INSERVI	Board of Boiler and		
I, the undersigned, holding a valid co and the State or Province of <u>Per</u> Johnston, R.I.	CERTIFICATE OF INSERVI mmission issued by the National insylvania and employed by	Board of Boiler and	nsurance Co. o	f
, the undersigned, holding a valid co and the State or Province of <u>Per</u> <u>Johnston, R.I.</u> Owner's Report during the period	CERTIFICATE OF INSERVI	Board of Boiler and Factory Mutual II components descrit to /2/2	nsurance Co. o ped in the 1/0/, and state th	f at to the
I, the undersigned, holding a valid co and the State or Province of <u>Per</u> <u>Johnston, R.I.</u> Owner's Report during the period best of my knowledge and belief, the	mmission issued by the National insylvania and employed by have inspected the 5/9/6/	Board of Boiler and Factory Mutual II components describ to /2/2 ons and taken correct	nsurance Co. o ped in the 1/0/, and state th	f at to the
, the undersigned, holding a valid co and the State or Province of <u>Per</u> Johnston, R.I. Owner's Report during the period	mmission issued by the National insylvania and employed by have inspected the 5/9/6/	Board of Boiler and Factory Mutual II components describ to /2/2 ons and taken correct	nsurance Co. o ped in the 1/0/, and state th	f at to the
, the undersigned, holding a valid co and the State or Province of <u>Per</u> <u>Johnston</u> , R.I. Dwner's Report during the period best of my knowledge and belief, the Dwner's Report in accordance with the By signing this certificate neither the examinations and corrective measure	CERTIFICATE OF INSERVI	Board of Boiler and Factory Mutual III components describe to 12/2 cons and taken corrected. Section XI.	nsurance Co. oned in the // O/, and state the stive measures describe essed or implied, concitted the inspector nor	f at to the ed in this eming the his employer
the undersigned, holding a valid co and the State or Province of <u>Per</u> <u>Johnston, R.I.</u> Dwner's Report during the period best of my knowledge and belief, the Dwner's Report in accordance with the By signing this certificate neither the examinations and corrective measures shall be liable in any manner for any	CERTIFICATE OF INSERVI	Board of Boiler and Factory Mutual III components describe to 12/2 cons and taken corrected. Section XI.	nsurance Co. oned in the // O/, and state the stive measures describe essed or implied, concitted the inspector nor	f at to the ed in this eming the his employer
I, the undersigned, holding a valid co and the State or Province of <u>Per</u> <u>Johnston, R.I.</u> Owner's Report during the period best of my knowledge and belief, the	mmission issued by the National insylvania and employed by have inspected the 5/9/6/. Owner has performed examinatine requirements of the ASME Communication inspector nor his employer make as described in this Owner's Representation injury or property dama	Board of Boiler and Factory Mutual III components describ to /2/2 ons and taken corrected. Section XI. Is any warranty, exprort. Furthermore, neighbor a loss of any kinds of a loss of any kinds.	nsurance Co. oned in the // O/, and state the stive measures describe essed or implied, concitted the inspector nor	at to the ed in this eming the his employer nected with

Form	No	1406	
LOIIII	INO.	1400	

. Owner	F.E.N.O.C.		_ Date	·	12-10)-01	
76 South M	lain Street — Akro (ADDRESS)	on, OH 44308	_ She	et <u>1</u>	of	1	
. Plant	Beaver Valley Po	ower Station	Unit	No	. 1		•
	Shippingport, PA	15077	1	W.O. (00-0222 TION P.O.		ETC.
. Work Perfor	med By <u>BVPS</u>	- Maintenance (NAME)	Тур	e Code Symbol (Stamp	Not A	opticable
· · · · · ·	Shippingport, PA	15077	Autl	norization No	·	N/A	3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
-	(ADDRESS)	· · · · · · · · · · · · · · · · · · ·	Ехр	iration Date			
. Identification	n of System	Main Steam (Q	2)		1, t.		
. (a) Applicable ode Case	Construction Code	ANSI B16.	5/16:34 19.73	Edition,		Addenda,	
	Edition of Section XI	Utilized for Repairs	or Replacements	1989E		. :	
. Identification	n of Components	Repaired or Re	placed and Rep	lacements Com	ponents	·.	•
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Beilt*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Crane	N/A	N/A	1MS-80	1976	Repaired	No
linge Pin Plug	Crane	N/A	N/A	Lot #9211	2001	Replace- ment	No
Studs	Nova Machine	N/A	N/A	: N/A	2001	Replace-	No
Nuts	Nova Machine	N/A	N/A	Ht #A284	2001	Replace- ment	No
Disc	Crane	C6841	N/A	Ht #616298	2001	Replace- ment	No
. Description	of Work Rep	laced valve disc	, hinge pin plug,	and cover studs	& nuts	•	
7. Description8. Tests Cond			, hinge pin plug,		& nuts	·	·.

and 144. *Year installed.		· •	•	- *
C. C	ERTIFICATE OF CO	MPLIANCE		
We certify that the statements made in the rules of the ASME Code Section XI.	the report are correct	and this	Replacement Repair Or Replacement	conform
pe Code Symbol Stamp per NPDAP 8.5	5 "ASME Section XI Re	pair/Replacement ar	nd Repair/Alteration	Program*
			·	
ertificate of Authorization No. N/A	_ Expiration I	Date	N/A	
CERT	TIFICATE OF INSERVI	OF INSPECTION		
	TIFICATE OF INSERVI	nga karakan dan a m akan Marah	ressure Vessel Inspe	ctors
I, the undersigned, holding a valid commission and the State or Province ofPennsylvani	n issued by the National a and employed by _	Board of Boiler and P Factory Mutual Ins	surance Co. o	
, the undersigned, holding a valid commission and the State or Province of <u>Pennsylvani</u> Johnston, R.I.	n issued by the National a_ and employed by have inspected the	Board of Boiler and P Factory Mutual Ins	surance Co. o	t
, the undersigned, holding a valid commission and the State or Province of <u>Pennsylvani</u> Johnston, R.I. Owner's Report during the period	n issued by the National a and employed by have inspected the	Board of Boiler and P Factory Mutual Inscribe components describe o	surance Co. o of in the o, and state th	f at to the
, the undersigned, holding a valid commission and the State or Province of <u>Pennsylvania</u> <u>Johnston, R.I.</u> Dwner's Report during the period pest of my knowledge and belief, the Owner h	n issued by the National a and employed by _ have inspected the 8//5/6	Board of Boiler and P Factory Mutual Inscomponents describe o	surance Co. o of in the o, and state th	f at to the
, the undersigned, holding a valid commission and the State or Province of <u>Pennsylvania</u> <u>Johnston, R.I.</u> Dwner's Report during the period pest of my knowledge and belief, the Owner h	n issued by the National a and employed by _ have inspected the 8//5/6	Board of Boiler and P Factory Mutual Inscomponents describe o	surance Co. o of in the o, and state th	f at to the
, the undersigned, holding a valid commission and the State or Province of Pennsylvania Johnston, R.I. Dwner's Report during the period pest of my knowledge and belief, the Owner in Dwner's Report in accordance with the require By signing this certificate neither the inspector	n issued by the National a and employed by have inspected the 8//5/6 has performed examination ements of the ASME Control of the ASME cont	Board of Boiler and P Factory Mutual Inst components describe o	surance Co. or	f at to the ed in this eming the
the undersigned, holding a valid commission and the State or Province of Pennsylvania Johnston, R.I. Dwner's Report during the period pest of my knowledge and belief, the Owner holding the Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures described.	n issued by the National a and employed by have inspected the as performed examination ements of the ASME Coor r nor his employer make bed in this Owner's Repo	Board of Boiler and P Factory Mutual Inst components describe of 12/2// ons and taken correct de, Section XI. s any warranty, expres ort. Furthermore, neit	surance Co. or	at to the ed in this eming the his employer
I, the undersigned, holding a valid commission and the State or Province ofPennsylvani	n issued by the National a and employed by have inspected the as performed examination ements of the ASME Coor r nor his employer make bed in this Owner's Repo	Board of Boiler and P Factory Mutual Inst components describe of 12/2// ons and taken correct de, Section XI. s any warranty, expres ort. Furthermore, neit	surance Co. or	t to the ed in this eming the his employer
, the undersigned, holding a valid commission and the State or Province of Pennsylvania Johnston, R.I. Dwner's Report during the period best of my knowledge and belief, the Owner hold Dwner's Report in accordance with the require By signing this certificate neither the inspector examinations and corrective measures described in any manner for any personal	n issued by the National a and employed by have inspected the as performed examination ements of the ASME Coor r nor his employer make bed in this Owner's Repo	Board of Boiler and P Factory Mutual Inst components describe of 12/2// ons and taken correct de, Section XI. s any warranty, expres ort. Furthermore, neit	surance Co. or	at to the ed in this eming the his employer

Form	No.	1407	

Owner	F.E.N.O.C.		_ Date	-	12-10		
76 South M	ain Street - Akro (ADDRESS)	n, OH 44308	_ She	et <u>1</u>	of	1	
Plant	Beaver Valley Po	wer Station	Unit	No	1	· -	
	(NAME) Shippingport, PA	15077	e article in the contract of t	W,O. 0			·
	(ADORESS)			REPAIR ORGANIZA	TION P.O.	NO., JOB NO., E	ETC.
Work Perfor	med By <u>BVPS</u>	- Maintenance (NAME)	Турі	Code Symbol S	Stamp	Not Ao	plicable
. 	Shippingport, PA (ADDRESS)	15077	Auti	norization No		N/A.	<u>0. 5.5.</u>
	·		Expi	iration Date		*	
Identification	of System	Main Steam (Q	2)	• •			
(a) Applicable	Construction Code _	ANSI B16.5	<u>/16.34 * 19.73 * </u>	Edition,	<u> </u>	Addenda,	
de Case							•
	Edition of Section XI		-		· · · ·	•. •	
Identification	n of Components	Repaired or Re	placed and Rep	lacements Comp	onents	•	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Book*	Repaired, Replaced, or Replacement	ASMI Code Stamp (YES NO)
Check Valve	Crane	N/A	N/A	1MS-81	1976	Repaired	No
inge Pin Plug	Crane	N/A	N/A	Lot #9211	2001	Replace- ment	No
			NT/A	BTCA	2001	Ponlogo	NT.
Studs	Nova Machine	N/A	~ N/A	N/A	2001	Replace- ment	No
Ottus.			N/A	N/A	2001	Replace- ment	No
Nuts	Nova Machine	N/A	·	Mary Mary Area of Area (All Area) Area (All Area)			
	Nova Machine Crane	N/A N/A	N/A	Ht #616298	2001	Replace- ment	No
Nuts					2001	• • •	No
Nuts Disc		N/A	N/A	Ht #616298	- 8	ment	No
Nuts Disc	Crane	N/A	N/A	Ht #616298	- 8	ment	No

tidi, jor, and roo, rournounce.	
665, 537, and 168. *Year installed.	
CERTIFICATE	OF COMPLIANCE
We certify that the statements made in the report are the rules of the ASME Code Section XI.	correct and this Replacement conform
ype Code Symbol Stamp <u>per NPDAP 8.5 "ASME Section</u>	on XI Repair/Replacement and Repair/Alteration Program*
Burgara Baran B	
ertificate of Authorization No. <u>N/A</u> Exp	piration Date
igned WWW Owner or Owner's Designee, Title	Date December 14 , 20 01
	and the second s
1, the undersigned, holding a valid commission issued by the	
the undersigned, holding a valid commission issued by the and the State or Province of	National Board of Boiler and Pressure Vessel Inspectors
I, the undersigned, holding a valid commission issued by the and the State or Province of <u>Pennsylvania</u> and emplo Johnston, R.I. have insp	National Board of Boiler and Pressure Vessel Inspectors yed by <u>Factory Mutual Insurance Co.</u> of
I, the undersigned, holding a valid commission issued by the and the State or Province of <u>Pennsylvania</u> and employung Johnston, R.I. have insport of Report during the period 8/15/2 best of my knowledge and belief, the Owner has performed expressions.	National Board of Boiler and Pressure Vessel Inspectors by Factory Mutual Insurance Co. of ected the components described in the 12/21/01, and state that to the examinations and taken corrective measures described in this
I, the undersigned, holding a valid commission issued by the and the State or Province of <u>Pennsylvania</u> and emplo <u>Johnston, R.I.</u> have insponents Report during the period 1, the undersigned, holding a valid commission issued by the pending the undersigned by the period 1, the undersigned 1, t	National Board of Boiler and Pressure Vessel Inspectors by Factory Mutual Insurance Co. of ected the components described in the 12/21/01, and state that to the examinations and taken corrective measures described in this
1, the undersigned, holding a valid commission issued by the and the State or Province of Pennsylvania and employ Johnston, R.I. have insponent a period best of my knowledge and belief, the Owner has performed a Cowner's Report in accordance with the requirements of the A	National Board of Boiler and Pressure Vessel Inspectors by Factory Mutual Insurance Co. of exted the components described in the o// to /2/2//o/, and state that to the examinations and taken corrective measures described in this ASME Code, Section XI.
I, the undersigned, holding a valid commission issued by the and the State or Province of Pennsylvania and employ Johnston, R.I. have inspected have inspected have inspected have inspected and belief, the Owner has performed a Cowner's Report in accordance with the requirements of the A By signing this certificate neither the inspector nor his employed.	National Board of Boiler and Pressure Vessel Inspectors by Factory Mutual Insurance Co. of sected the components described in the 1/2/21/01, and state that to the examinations and taken corrective measures described in this ASME Code, Section XI.
I, the undersigned, holding a valid commission issued by the and the State or Province of Pennsylvania and employonner's Report during the period Pest of my knowledge and belief, the Owner has performed to Owner's Report in accordance with the requirements of the AB signing this certificate neither the inspector nor his employexaminations and corrective measures described in this Owner's Report in accordance with the requirements of the AB signing this certificate neither the inspector nor his employexaminations and corrective measures described in this Owner's Report in accordance with the requirements of the AB signing this certificate neither the inspector nor his employexaminations and corrective measures described in this Owner's Report in accordance with the requirements of the AB signing this certificate neither the inspector nor his employexaminations and corrective measures described in this Owner's Report in accordance with the requirements of the AB significance with the requirements o	National Board of Boiler and Pressure Vessel Inspectors by Factory Mutual Insurance Co. of exted the components described in the o// to /2/2//o/, and state that to the examinations and taken corrective measures described in this ASME Code, Section XI.
I, the undersigned, holding a valid commission issued by the and the State or Province of Pennsylvania and employonner's Report during the period Pest of my knowledge and belief, the Owner has performed to Owner's Report in accordance with the requirements of the AB signing this certificate neither the inspector nor his employexaminations and corrective measures described in this Owner's Report in accordance with the requirements of the AB signing this certificate neither the inspector nor his employexaminations and corrective measures described in this Owner's Report in accordance with the requirements of the AB signing this certificate neither the inspector nor his employexaminations and corrective measures described in this Owner's Report in accordance with the requirements of the AB signing this certificate neither the inspector nor his employexaminations and corrective measures described in this Owner's Report in accordance with the requirements of the AB significance with the requirements o	National Board of Boiler and Pressure Vessel Inspectors byed by Factory Mutual Insurance Co of ected the components described in the to, and state that to the examinations and taken corrective measures described in this ASME Code, Section XI. Byer makes any warranty, expressed or implied, concerning the mer's Report. Furthermore, neither the inspector nor his employer
1, the undersigned, holding a valid commission issued by the and the State or Province of Pennsylvania and employ Johnston, R.I. have inspected best of my knowledge and belief, the Owner has performed a Cowner's Report in accordance with the requirements of the ABy signing this certificate neither the inspector nor his employ examinations and corrective measures described in this Own shall be liable in any manner for any personal injury or prope	National Board of Boiler and Pressure Vessel Inspectors byed by Factory Mutual Insurance Co of ected the components described in the to /2 /2 / 0 /, and state that to the examinations and taken corrective measures described in this ASME Code, Section XI. Byer makes any warranty, expressed or implied, concerning the ner's Report. Furthermore, neither the inspector nor his employer erty damage or a loss of any kind arising from or connected with
I, the undersigned, holding a valid commission issued by the and the State or Province of Pennsylvania and employ Johnston, R.I. have inspected best of my knowledge and belief, the Owner has performed a Cowner's Report in accordance with the requirements of the AB signing this certificate neither the inspector nor his employ examinations and corrective measures described in this Own shall be liable in any manner for any personal injury or prope	National Board of Boiler and Pressure Vessel Inspectors byed by Factory Mutual Insurance Co of ected the components described in the to, and state that to the examinations and taken corrective measures described in this ASME Code, Section XI. Byer makes any warranty, expressed or implied, concerning the mer's Report. Furthermore, neither the inspector nor his employer

Form N	lo. 140	8

	(NAME)					-	
.76 South M	ain Street — Akro (ADDRESS)	on, OH 44308	She	et <u>1</u>	of	1	
Plant	Beaver Valley Po (NAME)	ower Station	Unit	No	1		•
	Shippingport, PA (ADDRESS)	15077	<u> </u>	W.O.		238-000 No., JOB No.,	ETC.
Work Perfor	med By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	policable
	Shippingport, PA	15077	Auth	norization No	·	N/A	<u> </u>
•			Exp	iration Date			
Identification	of System	Main Steam (C)2)			\	•
(a) Applicable de Case	Construction Code	ANSI B16	5/16.34 19.73	Edition	. بخ ر	_ Addenda,	
	Edition of Section XI	Utilized for Repairs	or Replacements	1989E			
Identification	of Components	Repaired or Re	placed and Rep	lacements Com	ponents	6	
			T		1		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	Code Stampe (YES
				IMS-82		Replaced, or	Code Stamps (YES NO)
heck Valve	Manufacturer	Serial No.	No.	Identification	1976 2001	Replaced, or Replacement	ASMI Code Stamp (YES NO)
Component	Manufacturer Crane	Scrial No.	No. N/A	iMS-82 Lot #9211	1976	Replaced, or Replacement Repaired Replace-	Code Stamp (YES NO) No
heck Valve	Crane Crane	Scrial No. N/A N/A	N/A N/A	iMS-82 Lot #9211	1976 2001	Replaced, or Replacement Repaired Replacement Replacement	Code Stamp (YBS NO)
neck Valve nge Pin Plug Studs	Crane Crane Nova Machine	Scrial No. N/A N/A N/A	N/A N/A N/A	IMS-82 Lot #9211 N/A	1976 2001	Replacement Replacement Replacement Replacement Replacement Replacement	Code Stamp (YBS NO) No No
neck Valve nge Pin Plug Studs Nuts	Crane Crane Nova Machine Nova Machine	Scrial No. N/A N/A N/A N/A	N/A N/A N/A N/A	IMS-82 Lot #9211 N/A N/A	1976 2001 2001	Replaced, or Replacement Replacement Replacement Replacement Replacement Replacement	No
neck Valve nge Pin Plug Studs Nuts Disc	Crane Crane Nova Machine Nova Machine Crane	N/A N/A N/A N/A C4233	N/A N/A N/A N/A	IMS-82 Lot #9211 N/A N/A Ht #616298	1976 2001 2001 2001	Replacement Replacement Replacement Replacement Replacement Replacement Replacement	Code Stamp (YBS NO) No

and 148. *Year installed.	•			
is .				
	5.			
CI	ERTIFICATE OF	COMPLIANC	E	
We certify that the statements made in the rules of the ASME Code Section XI.	the report are co	rrect and this	Replacement Repair Or Replacem	
pe Code Symbol Stamp per NPDAP 8.5	"ASME Section X	I Repair/Replac	ement and Repair/Alterati	on Program"
ertificate of Authorization No <u>N/A</u>	_ Expirat	ion Date	N/A	
gned SCOVIET Owner or Owner's Designes, 1	and Enginee	Date	December 14	, 20 <u>01</u>
I, the undersigned, holding a valid commission				spectors
and the State or Province of <u>Pennsylvania</u> Johnston, R.I.		the components	described in the	of
Owner's Report during the period best of my knowledge and belief, the Owner h Owner's Report in accordance with the require	•	inations and take	n corrective measures des	that to the cribed in this
By signing this certificate neither the inspector examinations and corrective measures descrit shall be liable in any manner for any personal this inspection.	oed in this Owner's	Report. Furthern	nore, neither the inspector r	or his employer
Robert Como	el c	ommissions <u>V</u>	B 7509 (N,T) Province, and E	12/62 dorsements
Λ α 1				

Form	No	-		1409	

Owner	F.E.N.O.C.		_ Date	9	10-10	0-01	
76 South Ma	ain Street - Akro	n, OH 44308	_ She	et <u>1</u>	of	1	
	Beaver Valley Po		Unit	No	1		
	Shippingport, PA	15077	· · · · · · · · · · · · · · · · · · ·	W.O.	01-0126 ATION P.O.		ETC.
Work Perfor	med By <u>BVPS</u>	-Maintenance		e Code Symbol			VA
	Shippingport, PA		Autl	norization No. 🗀		N/A	Na iz iz
				iration Date		4	
Identification		Chemical & Vol				N/A Code C	300
•	Construction Code Edition of Section XI		•		a,	N/A Code C	ASO
Identification	of Components	Repaired or Re	placed and Rec	olacements Com	ponents	 3	•
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	• •		•				•
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built*	Replaced, Replaced, or Replacement	Code Stamped
Name of		Manufacturer	National Board			Replaced, or	Stamped (YES o
Name of Component Theck Valve	Rockwell Int.	Manufacturer Serial No.	National Board No.	Identification	Built*	Replaced, or Replacement	Code Stamper (YES o NO)
Name of Component Theck Valve	Manufacturer Rockwell Int.	Manufacturer Serial No. N/A	National Board No.	Identification	вий* 1976	Replaced, or Replacement Replaced Replaced	Code Stamper (YES of NO)
Name of Component Theck Valve	Rockwell Int. Rockwell Int.	Manufacturer Serial No. N/A	National Board No.	Identification	вий* 1976	Replaced, or Replacement Replaced Replaced	Code Stampe (YES o NO)
Name of Component	Rockwell Int. Rockwell Int.	Manufacturer Serial No. N/A	National Board No.	Identification	вий* 1976	Replaced, or Replacement Replaced Replaced	Code Stamper (YES of NO)
Name of Component Check Valve	Rockwell Int. Rockwell Int.	Manufacturer Serial No. N/A	National Board No.	Identification	вий* 1976	Replaced, or Replacement Replaced Replaced	Code Stamper (YES of NO)
Name of Component Check Valve Check Valve	Rockwell Int. Rockwell Int.	Manufacturer Serial No. N/A BL777	National Board No. N/A N/A	Identification	вий* 1976	Replaced, or Replacement Replaced Replaced	Code Stamper (YES of NO)

			/	61 16.34-1977. *Year in	
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		•		· · · · · · · · · · · · · · · · · · ·	
			<u> </u>		
	С	ERTIFICATE C	F COMPLIANCE	****	
We certify that the stat			orrect and this	Replacement	conforms
the rules of the ASME (Code Section XI.		The state of the s	Repair Or Replacement	gali tita selegi ti Ti y a
ype Code Symbol Stamp	p <u>per 1/2-ADM-08</u>	301 "ASME Section	n XI Repair/Replacer	ment and Repair/Alteration	Program"
			:		
ertificate of Authorization	n No. <u>N/A</u>	Expir	ation Date	N/A	_
$\ell(\sqrt{2})$		1			
igned MUSE	Ler or Owner's Designee.	ed Eupher	Date	October 10	, 20 <u>: 01</u>
CWN	er or Owner's Designee,	1109			
I, the undersigned, holding and the State or Province o		-		and Pressure Vessel Inspect al Insurance Co. of	ors
Johnston, R. Owner's Report during the	.1		ted the components des	scribed in the	to the
			the state of the s	prrective measures described	l in this
Owner's Report in accorda	nce with the requir	rements of the ASI	ME Code, Section XI.		
examinations and correctiv	ve measures descri	ibed in this Owner	's Report. Furthermore	expressed or implied, concern , neither the inspector nor his ny kind arising from or conne	s employer
this inspection.					

Form	No.		1410

. Owner	F.E.N.O.C.			Date	e <u> </u>	- 11-1	8-01	
76 South M	Main Street - Akro	n, OH 44308	-	She	et <u>1</u>	of		1
. Plant	Beaver Valley Po	ower Station		Unit	No		1	
	Shippingport, PA (ADDRESS)	15077	· .		00- REPAIR ORGANIZA	017083 TION P.O.		ETC.
. Work Perfo	rmed By BVPS	- Maintenance (NAME)	· 	Туре	e Code Symbol	Stamp	Not A	policable
	Shippingport, PA	15077	· .	Auth	orization No	· ·	N/A	
	(ADORESS)		•	Ехрі	iration Date		. «	
Idontification	n of System	River Water (C						
	Edition of Section XI n of Components	•	·.	•	lacements Com	ponent	\$	
				·				·
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boa No.	rd	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Name of	Name of	Manufacturer	National Boa				Replaced, or	Code Stamped (YES or
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boa No.		Identification	Buik*	Replaced, or Replacement	Code Stamped (YES or NO)
Name of Component	Name of Manufacturer Goodall Garlock	Manufacturer Serial No. N/A	National Boa No. N/A		REJ-1RW-8A	Buik*	Replaced, or Replacement Replaced Replaced	Code Stampod (YES or NO)
Name of Component Expansion Joint Expansion Joint	Name of Manufacturer Goodall Garlock	Manufacturer Serial No. N/A	National Boa No. N/A		REJ-1RW-8A	Buik*	Replaced, or Replacement Replaced Replaced	Code Stampod (YES or NO)
Name of Component xpansion Joint xpansion Joint	Name of Manufacturer Goodall Garlock	Manufacturer Serial No. N/A	National Boa No. N/A		REJ-1RW-8A	Buik*	Replaced, or Replacement Replaced Replaced	Code Stampod (YES or NO)
Name of Component Expansion Joint Expansion Joint	Name of Manufacturer Goodall Garlock	Manufacturer Serial No. N/A N/A	National Boa No. N/A N/A		REJ-1RW-8A REJ-1RW-8A	Buik*	Replaced, or Replacement Replaced Replaced	Code Stampod (YES or NO)
Name of Component	Name of Manufacturer Goodall Garlock	Manufacturer Serial No. N/A N/A	National Boa No. N/A N/A		REJ-1RW-8A REJ-1RW-8A	Buik*	Replaced, or Replacement Replaced Replaced	Code Stampod (YES or NO)

CERTIFICATE OF COMPLIANCE	*Year of installation	
We certify that the statements made in the report are correct and this		
We certify that the statements made in the report are correct and this		***
We certify that the statements made in the report are correct and this		
We certify that the statements made in the report are correct and this		
We certify that the statements made in the report are correct and this	. CE	ERTIFICATE OF COMPLIANCE
The rules of the ASME Code Section XI. Repair Or Replacement Appe Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program" Pertificate of Authorization No. N/A Expiration Date N/A In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have isspected the components described in the Owner's Report during the period 9/10/0/1 to 1/1/30/61, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer makes any warranty, expressed or implied to the examinations and corrective measures described in this Owner's Report. Further		
ertificate of Authorization No. NA Expiration Date NA gned Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program" ertificate of Authorization No. NA Expiration Date NA gned State of Authorization No. NA Expiration Date NA Gertificate of Authorization Program* Certificate of Authorization Program* Gertificate of Authorization Program* Date NA III-28 NA Gertificate of Authorization Program* Date NA III-28 NA III-28 NA Gertificate of Authorization Program* In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Expiration Supercitor National Inspector National Inspect		
gned Substance of Authorization No. NA Expiration Date N/A CERTIFICATE OF INSERVICE INSPECTION It the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Midual Insurance Co. of Johnston. R.I. have inspected the components described in the Owner's Report during the period Pin Of to 1/30/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 750 9 (NJT) PA 216 2		
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Downer's Report during the period 9/10/0/1, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509 (N,T) PA2162	pe Code Symbol Stamp per NPDAP 8.5	*ASME Section XI Repair/Replacement and Repair/Alteration Program*
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period To Mover's Report during the period Province of Asymptotic Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period To Mover's Report during the period Province of Province of Province of Province of Pennsylvania and employer makes and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509 (NT) PA2162		And the state of t
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period to I//30/6/, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509 (NJ) PA2162	ertificate of Authorization No. N/A	Expiration DateN/A
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period to 1/1/30/61, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509 (NJ) PA2162		
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I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period for Microscopic to Microscopic and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509 (NT) PA2163	Owner or Owner's Designee, To	Title Jack 11720 , 20 - 0.
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period for Microwald and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509 (NJ) PA2163		
Owner's Report during the period Image: Application of the period of	and the State or Province of Pennsylvania	a and employed by <u>Factory Mutual Insurance Co.</u> of
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ shall be 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 NB7509 (NT) PA2162		
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By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ shall be 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 NB7509 (NJ) PA2167		
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ shall be 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 NB7509 (NJ) PA2167	Owners report at accordance with the require	Aliens of the Astric Code, Section A.
Bobert Cimoch commissions NB7509 (N,I) PA2169	examinations and corrective measures describ shall be liable in any manner for any personal	bed in this Owner's Report. Furthermore, neither the inspector nor his employer
Odministriis Odministriis	ans nishector.	
Inspector's Signature National Board, State, Province, and Endorsements	Robert Cimoc	Commissions
da	inspector's Signature	National Board, State, Province, and Endorsements
	de sc	

Form	No	1 4 1	2	
Form	NO.	141	3	

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l. Owner	F.E.N.O.C.		_ Dat	e	12-0	8-01	*/ A
76 Coulb M		on OU 44200	Cha		~ £		
76 South M	ain Street — Akre (ADDRESS)	on, On 44308	_ She	et <u>1</u>	of		1
Office 1	Danisas Vallas ID	oway Station	11-1				-
. Plant	Beaver Valley P	ower Station	Uni	t No.		<u> </u>	
	Shippingport, PA	A 15077	<u> </u>			51-000	
	(ADDRESS)			REPAIR ORGANIZ	ZATION P.O.	NO., JOB NO.,	ETC.
. Work Perfor	med By <u>BVPS</u>		Тур	e Code Symbol	Stamp	Not A	oplicable
	Chinningsout D	(NAME)	: A.A	hadaatiaa kka		61/6	
1	Shippingport, P/ (ADDRESS)	4 150//		horization No		N/A	
	•		Exp	piration Date _	·	*	
. Identification	of System	River Water (C) 3)				
	-			.3.4.2	***	1. 1	. **
. (a) Applicable ode Case	Construction Code	ANSI B16	19 81	Edition,		_Addenda,	N/A
(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E			
			-:-			· , ·	• •
. Identification	n of Components	s Repaired of Re	placed and Hel	placements Con	nponents	3	
·						Repaired,	ASME Code
Name of Component	Name of	Manufacturer Serial No.	National Board . No.	Other Identification	Year Buik	Replaced or Replacement	Stamped (YES or
							NO)
Check Valve	C & S Valve	89-0929-01(Q)-01	N/A	1RW-106	1989	Replaced	No
* 41 + **		:					Property of the second
Check Valve	Atwood &	C023430	N/A	1RW-106	2000	Replace-	No
: v= 4	Morrill					ment	1000
						•	
					1		
							
•						·	
		ł	1	<u> </u>			!
					,		
. Description	of Work Rep	laced valve with	spare.	•	·····	****	
	•			·		<u></u>	<i>;</i> ,
				•			
s. Tests Condu	ıcted: Hydrost	atic 🗍 Pne	umatic 🔲	Nominal Operat	ina Pres	sura 🕅	

•			THE STATE OF	Ilso meets ANSI B31.1 1973E-73A.	• •
· . ·			÷÷		•
	Andrews of the second of the s	CE	ERTIFICATE OF (COMPLIANCE	-
	y that the statem of the ASME Cod		he report are corre	oct and this Replacement confo	orna
pe Code S	Symbol Stamp _p	er NPDAP 8.5	"ASME Section XI	Repair/Replacement and Repair/Alteration Program*	.
	Authorization N	o. N/A	_ Expiration	n Data AVA	
ned	Owner or	Owner's Designee, Ti	end Chyples	Date December 14 , 20 (<u>)1 </u>
		CERTI	FICATE OF INSER	VICE INSPECTION	
		alid commission	issued by the Nation	VICE INSPECTION all Board of Boiler and Pressure Vessel Inspectors Factory Mutual Insurance Co. of	
nd the Sta		alid commission Pennsylvania	issued by the Nation and employed by	nal Board of Boiler and Pressure Vessel Inspectors	
ond the Star Dwner's Repeat of my I	te or Province of	alid commission Pennsylvania od 2 ef, the Owner ha	issued by the Nation and employed by have inspected to	hal Board of Boiler and Pressure Vessel Inspectors Factory Mutual Insurance Co. of the components described in the to 12/21/0/, and state that to the ations and taken corrective measures described in this	
ond the Star Owner's Re Sest of my I Owner's Re By signing I	te or Province of	alid commission Pennsylvania od ef, the Owner ha with the requirer er the inspector of easures describ	issued by the Nation and employed by have inspected to find of as performed examinates of the ASME of	hal Board of Boiler and Pressure Vessel Inspectors Factory Mutual Insurance Co. of the components described in the to 12/21/0/, and state that to the ations and taken corrective measures described in this	

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Form No	1417

. Owner	F.E.N.O.C.		_ Date	9	11-3	0-01	·	
76 South Main Street – Akron, OH 44308 (ADDRESS)				et <u>1</u>	of		· [
Plant Beaver Valley Power Station (NAME)			Unit	Unit No1				
**	Shippingport, PA (ADDRESS)	\ 15077	: ' · · · · · · · · · · · · · · · · · ·	W.O.'s 00-0222 REPAIR ORGANIZA				
Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	policable	
	Shippingport, PA	\ 15077	Auti	norization No. 🔝		N/A		
	(ADDINESS)	•	- Exp	iration Date _	. <u>.</u>		· · · · · · · · · · · · · · · · · · ·	
Identification	n of System	Recirculation S	prav (Class C)		٠.			
	Construction Code Edition of Section XI				denda, _	Code Ca	is e	
Name of	n of Components	Manufacturer	National Board	Other	Year	Repaired, Replaced, or	ASME Code Stamped	
Component	Manufacturer	Serial No.	No.	Identification	Buik	Replacement	(YES o	
Heat Exchanger	Industrial Process	6301-1	3179	1RS-E-1A	1971	Repaired	Yes	
		•				, .		
	·							
· · · · ·						.*	200	
		•						
	1					·	:	
				•				
Description	of Work Rep	laced diaphragm	s and seal weld	ed.				
Description	of Work Rep	aced diaphragm	s and seal weld	ed.		Visita		
Description	of Work Rep	aced diaphragm	s and seal weld	ed.				

9. Remarks <u>Heat Exchanger was opened for normal maintenance activities and cleaning. Diaphragms</u>
were replaced and seal welded on re-assembly. The lower diaphragm seal weld was re-worked
Under W.O. 00-022265-003. Previous NIS-2 Data Report Nos: 1251, 945, 854, 697, 690, 595,
557, 435, and 295.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"
e grand the second of the seco
Certificate of Authorization No. N/A Expiration Date N/A
Signed Land Expired Date November 30 , 20 01
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period \(\frac{\gamma/3/0/}{\gamma/0/} \), and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 NB7509 (NI) PA 2162 Inspector's Signature Commissions NB7509 (NI) PA 2162
Date

Form	No.	1418	ì

	•						
. Owner	F.E.N.O.C.		Dat	е	11-2	9-01	· ·
	(NAME)				4 A	**	-
76 South M	<u>lain Street – Akr</u>	on, OH 44308	She	et <u>1</u>	ol	i" <u> </u>	1
*	(ADDRESS)		1.0			•	
Diant	Poorer Vollage	Januar Ctation	1 1	s A.S.			
Plant	Beaver Valley P	ower Station	Uni	No	·	<u>!</u>	
		4.50					
	Shippingport, PA	A 150//		W.O. I		267-000	ETC .
X.				THE PART OF GREEK	· · · · · · · · · · · · · · · · · · ·	1104 4001104	210.
. Work Perfor	med By BVPS	6 - Maintenance (NAME)	Тур	e Code Symbol	Stamp	Not A	pplicable
Ar r	Shippingport, PA	A 15077	Aut	norization No		N/A	.)
	(ADDRESS)			· · · · ·		*	
	•	•	Exp	iration Date _		-	·
Idontification	of Cuntom	Donizaulation C	haras (Class C)				i si .
Identification	i or System	Recirculation S	pray (Class C)				
(a) Annlicable	Construction Code	Section II	I 10 68 Edili	on Wise A	ldonda :	Code Ca	
					icierica,	Code Ca	ise.
(b) Applicable	Edition of Section X	I Utilized for Repairs	or Replacements	1989E			•
Identification	of Components	Repaired or Re	nlaged and Den	lacemente Com	nononi.	_	
. Ideilineauoi	or Components	o nepalled of ne	piaceu aitu nep	nacements com	houeuc	5	
1		<u> </u>			1	Repaired,	ASME
Name of	Name of	Manufacturer	National Board			Replaced,	Code
Component	Manufacturer	Secial No.	No.	Other Identification	Year Buik	or Replacement	Stampe (YES
				<u> </u>			NO)
Heat	Industrial	6301-3	3181	IRS-E-IC	1971	Repair	37.
Exchanger	industriai.	1. 0201-2	F STOT				
- Davidingoi	Process	·				Керап	1 es
i	Process					Керап	Yes
	Process					Керап	ı es
	Process					Kepan	1 es
	Process					Kepan	ı es
	Process						1 es
							165
							1 es
							1 65
							168
							16
							168
							168
							168
Description	•••						168
Description of	•••						168
Description of	•••						168
Description (•••						165
Description of	•••						16
•	of Work Rep		ittom diaphragm		èd.		16

CERTIFICATE OF COM We certify that the statements made in the report are correct are the rules of the ASME Code Section XI. Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repaired Certificate of Authorization No. N/A Expiration Date Company Company Designed Company Company Designed Com	nd thisair/Replacement	Repair Repair Or Replace nt and Repair/Altera N/A November 30	
We certify that the statements made in the report are correct are the rules of the ASME Code Section XI. Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repairer in the rules of Authorization No. N/A Expiration Dates in the report are correct are the rules of the ASME Code Section XI. The rules of Authorization No. N/A Expiration Dates in the report are correct are the rules of the ASME Code Section XI.	nd thisair/Replacement	Repair Or Replace nt and Repair/Altera N/A	ment
We certify that the statements made in the report are correct are the rules of the ASME Code Section XI. The rules of the ASME Code Section XI. The rules of the ASME Code Section XI. The rules of the ASME Section XI. The rules of Authorization No. N/A Expiration Dates of Authorization No. The rules of Authorization No.	nd thisair/Replacement	Repair Or Replace nt and Repair/Altera N/A	ment
We certify that the statements made in the report are correct are the rules of the ASME Code Section XI. The Code Symbol Stamp _per NPDAP 8.5 "ASME Section XI Repairer tifficate of Authorization No	nd thisair/Replacement	Repair Or Replace nt and Repair/Altera N/A	ment
the rules of the ASME Code Section XI. per Code Symbol Stamp per NPDAP 8.5 "ASME Section XI. Repairer in the section XII. Repairer in the section XII. Repairer in the section XI. Repairer in the section XI. Repairer in the section XII. Repairer in t	air/Replacemen	Repair Or Replace nt and Repair/Altera N/A	ment
the rules of the ASME Code Section XI. The Code Symbol Stamp _per NPDAP 8.5 "ASME Section XI Repairer tifficate of Authorization No Expiration Dates	air/Replacemen	Repair Or Replace nt and Repair/Altera N/A	ment
ertificate of Authorization No. <u>N/A</u> Expiration Da	ate	N/A	ation Program"
ertificate of Authorization No. <u>N/A</u> Expiration Da	ate	N/A	, 2001_
aned RUSE Lead Expriser D	1942-50		, 2001_
aned RUSE Lead Expriser D	1942-50		, 20 <u>01</u>
	Dațe	November 30	, 20 <u>01</u>
	Jale	NOVERILLOS CC	
			· · · · · · · · · · · · · · · · · · ·
	· Ang	·.	
I, the undersigned, holding a valid commission issued by the National Board the State or Province of Pennsylvania and employed by Johnston, R.I. have inspected the commer's Report during the period S/15/0 to best of my knowledge and belief, the Owner has performed examination. Owner's Report in accordance with the requirements of the ASME Code	Factory Mutual proposed Factory Factor Factory Factor	al Insurance Co. cribed in the ROLOL, and sta	of
By signing this certificate neither the inspector nor his employer makes a examinations and corrective measures described in this Owner's Report	t. Furthermore,	, neither the inspecto	r nor his employer
shall be fiable in any manner for any personal injury or property damage	or a loss of any	y kind arising from o	r connected with
this inspection.			
Robert Cimoch Commiss		7509 (NJ) Board, State, Province, and	PA2162 TEndorsements

C		4 400	
Form N	י מא	1423	

	F.E.N.O.C. (NAME)		Da	te	12-1	10-01	:
76 South M	lain Street – Akr	on, OH 44308	Sh	eet <u>1</u>	o	f	1
	(ADDRESS)						
Plant	Beaver Valley P	ower Station	Un	it No.		1	
	Shippingport, P.	A 15077		wo	00-003	299-000	
	(ADDRESS)			REPAIR ORGANI	ZATION P.O.	. NO., JOB NO.,	ETC.
Work Perfor	med By <u>BVPS</u>	- Maintenance	у Туг	e Code Symbol	l Stamp	Not A	pplicable
	Shippingport, P.	A 15077	Aut	horization No	·	N/A	
	(ADDRESS)	ŗ	Exp	piration Date		4	
			· · ·	_		-	
Identification	or System _	Reactor Coola	int (Q1)		:-		
	Construction Code	ANSI B31	.1 19 67	Edition, S'	71	Addenda,	
e Case	•	٠	şv	·	:-		
(b) Applicable I	Edition of Section X	Utilized for Repair	s or Replacements	1989E		•	
Identification	of Components	Repaired or Re	eplaced and Re	olacements Con	nponent	S	
· 1			<u> </u>	1.	T	Repaired,	. ASM
Name of Component	Name of Mazufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Replaced, or Replacement	Code Stamp (YES NO)
		· ·			1		
lobe Valve	Rockwell International	N/A	N/A	1RC-5	1976	Replaced	No
lobe Valve	• • • • • • • • • • • • • • • • • • • •	N/A 09A89	N/A N/A	IRC-5	1976	Replaced Replace- ment	No No
· · · · · · · · · · · · · · · · · · ·	International Rockwell					Replace-	
-	International Rockwell			1RC-5		Replace-	
-	International Rockwell			1RC-5		Replace-	
	International Rockwell			1RC-5		Replace-	
-	International Rockwell			1RC-5		Replace-	
	International Rockwell			1RC-5		Replace-	
· · · · · · · · · · · · · · · · · · ·	International Rockwell			1RC-5		Replace-	
obe Valve	International Rockwell International	09A89	N/A	1RC-5		Replace-	
obe Valve	International Rockwell	09A89	N/A	1RC-5		Replace-	
obe Valve	International Rockwell International	09A89	N/A	1RC-5		Replace-	

110 Coluit mo concentration made in the report and contract and	and pipe nipple in accordance with Code Case N-410	6-1. Original valve design was to ANSI B16.5-
We certify that the statements made in the report are correct and this Replacement conformation the rules of the ASME Code Section XI. Replacement Repl	1968, replacement valve meets ANSI B16.34-1981.	
We certify that the statements made in the report are correct and this Replacement conformation the rules of the ASME Code Section XI. Replacement Repl		
We certify that the statements made in the report are correct and this Replacement conformation the rules of the ASME Code Section XI. Replacement Repl		
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the rules of the ASME Code Section XI. Repair or Replacement Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program" ertificate of Authorization No. N/A Expiration Date N/A igned Supplied Date December 10 , 20 01 CERTIFICATE OF INSERVICE INSPECTION I. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB7509 (N, I) PA 2162	CERTIFICATE OF CO	MPLIANCE
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Bobert Cimoch commissions NB7509 (N,I) PA 2162		•
Bobert Cimoch commissions NB7509 (N,I) PA 2162		
	2 1	•
Inspector's Signature National Board, State, Province, and Endorsements	Probert Cimoch commi	issions NB7509 (N,I) PA 2162
	Inspector's Signature	National Board, State, Province, and Endorsements
Date Dec 19, 20 01		

Form	No.	-	1427	

Plant <u>B</u>	(NAME) ain Street - Akro (ADDRESS) Beaver Valley Po (NAME) Shippingport, PA	-	_ Sh	eet1			
S	(NAME)	wer Station				f	1
	Shippingport PA		Un	it No.	·	1	
Work Perforn	(ADDRESS)	15077		W.O. REPAIR ORGANIZ	01-014; Ation p.o.	314-003 NO., JOB NO.,	, ETC.
	ned By <u>BVPS</u>	- Maintenance	Ту	pe Code Symbol	Stamp	Not A	oplicable
8	Shippingport, PA	15077	<u></u> · · · Au	thorization No	<u> </u>	N/A	
	(NOONESS)	•	Ex	piration Date _		<u>.</u> «	
Identification	of System	Steam General	tor Blowdown (Q2)	·		
	construction Code _			tion, S'80Ad	denda, N	VA(Code Ca
				placements Com	ponents	.	•
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (YES o NO)
Gate Valve	Borg-Warner	75598		TV-1BD-101C2	1982	Repaired	Yes
Stud	Nova Machine	N/A	N/A	N/A	2001•	Replace- ment	No
Nut	Nova Machine	N/A	N/A	Ht #721520 SVD	2001•	Replace- ment	No
Pipe Plug	Dubose Nat'l Energy Svc.	N/A	N/A	Lot #1225 Ht #9268	2000	Replace- ment	No
·							
Description of				alled pipe plug ar	 nd seal	welded, re	placed
	one (1) body to bonn	et stud and tou	r (4) nuts.			

<u>air</u> con
<u>air</u> con
<u>air</u> con
air con
air con
eplacement
Viteration Program*
i, 20
ssel Inspectors
d state that to the
es described in this
lied, concerning the sector nor his emplo
om or connected with

Form No.	1436

Owner	F.E.N.O.C.		_ Date	9 <u></u>	11-28	-01	
	(NAME)		· Ob a	_4 4	· .		
76 South M	<u>ain Street — Akro</u> (ADDRESS)	n, OH 44308	_ She	et <u>1</u>	of .		
Plant	Beaver Valley Po	ower Station	Unit	No	1		
	(NAME) Shippingport, PA	15077		00-0	028594-	000	
<u> </u>	(ADDRESS)	13077	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	REPAIR ORGANIZA			ETC.
Work Perfor	med By BVPS	- Maintenance	Тур	e Code Symbol S	Stamp	Not Ar	opticable
		(NAME)					
	Shippingport, PA (ADDRESS)	15077		norization No. 🗀	·	N/A	
		•	Exp	iration Date	· · ·		<u> </u>
Identification	of System	Reactor Coolar	nt (Q1)			*	
	•	•		ion – C'SO Addondo		N/A Codo C	
• • • • •	Construction Code				ئ <u>ىسىن</u> را ئىسىن ئىس	IVA COOR C	ase
(b) Applicable	Edition of Section XI	Utilized for Hepairs	or Heplacements	, 1989E			٠.
Identification	of Components	Repaired or Re	placed and Rep	olacements Com	ponents		
				I		Repaired,	·
					1 1	Kebaiier*	ASMB
Name of	Name of	Manufacturer	National Board	Other	Year	Replaced, or	Code Stamped
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Replaced,	Code Stamped
	Manufacturer					Replaced, or	Code Stamped (YES or
Compouent Relief Valve		Serial No.	No.	Identification	Buik*	Replaced, or Replacement	Code Stamped (YES or NO)
Сотронен	Manufacturer	Serial No.	No.	Identification	Buik*	Replaced, or Replacement	Code Stamped (YES or NO)
Component Relief Valve	Manufacturer Target Rock	Serial No.	N/A	RV-1RC-551B	Buik*	Replaced, or Replacement Replaced Replaced	Code Stamped (YES or NO)
Component Relief Valve	Manufacturer Target Rock	Serial No.	N/A	RV-1RC-551B	Buik*	Replaced, or Replacement Replaced Replaced	Code Stamped (YES or NO)
Component Relief Valve	Manufacturer Target Rock	Serial No.	N/A	RV-1RC-551B	Buik*	Replaced, or Replacement Replaced Replaced	Code Stamper (YES o NO)
Component Relief Valve	Manufacturer Target Rock	Serial No.	N/A	RV-1RC-551B	Buik*	Replaced, or Replacement Replaced Replaced	Code Stamped (YES or NO)
Component Relief Valve	Manufacturer Target Rock	Serial No.	N/A	RV-1RC-551B	Buik*	Replaced, or Replacement Replaced Replaced	Code Stamped (YES or NO)
Component Relief Valve	Manufacturer Target Rock	Serial No.	N/A	RV-1RC-551B	Buik*	Replaced, or Replacement Replaced Replaced	Code Stamped (YES or NO)
Component Relief Valve	Manufacturer Target Rock	Serial No.	N/A	RV-1RC-551B	Buik*	Replaced, or Replacement Replaced Replaced	Code Stamped (YES or NO)
Component Relief Valve Relief Valve	Target Rock Target Rock	Serial No.	N/A N/A	RV-1RC-551B RV-1RC-551B	1973 1973	Replaced, or Replacement Replaced Replaced	Code Stamper (YES o NO)
Component Relief Valve Relief Valve	Manufacturer Target Rock	Serial No.	N/A N/A	RV-1RC-551B RV-1RC-551B	1973 1973	Replaced, or Replacement Replaced Replaced	Code Stamper (YES o NO)
Component Relief Valve Relief Valve	Target Rock Target Rock	Serial No.	N/A N/A	RV-1RC-551B RV-1RC-551B	1973 1973	Replaced, or Replacement Replaced Replaced	Code Stamper (YES o NO)

9. Remarks No Code Data Reports available. Previou	us NIS-2 Data Report Nos: 280, and 158
· · · · · · · · · · · · · · · · · · ·	
	•
	<u> </u>
CERTIFICATE OF	COMPLIANCE
We certify that the statements made in the report are como the rules of the ASME Code Section XI.	rect and this <u>Replacement</u> conforms Repair Or Replacement
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI	Repair/Replacement and Repair/Alteration Program"
Certificate of Authorization No. <u>N/A</u> Expiration	on Date : NA
igned Alle Lead Enqueer	Date
Owner or Owner's Designee, Title	The state of the s
I, the undersigned, holding a valid commission issued by the Natio and the State or Province of <u>Perinsylvania</u> and employed b Johnston, R.I. have inspected	y Factory Mutual Insurance Co. of
Owner's Report during the period 4/10/10/1 best of my knowledge and belief, the Owner has performed examined.	
Owner's Report in accordance with the requirements of the ASME	
By signing this certificate neither the inspector nor his employer mexaminations and corrective measures described in this Owner's F shall be liable in any manner for any personal injury or property daths inspection.	Report. Furthermore, neither the inspector nor his employer
Robert Comoch con Inspector's Signature	mmissions NB7509 (NT) PA2162 National Board, State, Province, and Endorsements
Date _ nov. 30 , 20 01	

22 No. 44 No. 2		
Form No.	1437	

 -								
l_	Owner	F.E.N.C	D.C		Date 11/05/01	<u> </u>		.
٠.		(Nam	e)				***	
	76 South Mai	n Street - Akron, OH	44308		Sheet	10	1 14	
•		(Address)	•		•.			
	Diame Dans	ver Valley Power Stati			Unit No.	. 1	٠.	
•	Plant Dear	Ver valley Fuwer State (Name						
		V	-,					
	Shippingport,			 ,	Panale Or	PO 706	7576 O. No., Job No., etc.	
		(Address)			nepail Oi	yannzauchi i .	J. 140., 500 140., CAX	
L	Work Perform	ned By FI	OWSERVE .		Type Code Symbo	ol Stamp	N/A	
•			(Name)	 .			s = 11	
					Authorization No.	N/A		
-	4816 WOHTI	I PLACE, CHARLOT (Address)	IE, NO 28216		AND INTEGRAL INC.	- 14/1		2
		ų izaioo,			en disensis elas	• •		
	-	••			Expiration Date			· · · · · · · · · · · · · · · · · · ·
					•			
4.	Identification	of System AUXIL	IARY FEEDWATER	(O3)				•
5.	(a) Applic	able Construction Co	de Hydraulic Institute Standards	19 69	Edition.	Addeno	la, Co	de Case
	(b) Applic	able Edition of Section		airs or Reolac	ements	19 89		
6.	Identification	of Components Repa	area or Replaced an	u napacanai	(Components			ASME Cod
. (Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification .	Year Built	Repaired, Replaced, or Replacement	Stamped (Yes or No
	CHANICAL SEAL	FLOWSERVE	SN-406321-01	N/A	HT-A12823	2001	REPLACEMENT	. NO
ME	ECHANICAL SEAL	FLOWSERVE	SN-406321-02	N/A	HT-A10380	2001	REPLACEMENT	NO
	Later of the second of the sec							
							·	
						·		
			l	<u> </u>		<u> </u>		
7.	Description	of Work MODIFIE	D PUMP AND INST	ALLED MECH	ANICAL SEALS	.	· · · · · · · · · · · · · · · · · · ·	
7. 8 .	Description Tests Cond	,	•	ALLED MECH	ANICAL SEALS Nominal Ope	erating Presso	ne m	

INSTALLATION OF	THE PUMP WAS IN ACCO	DRDANCE WITH WO 01-0165	50-000.
NO CODE DATA R	EPORT AVAILABLE		
· · · · · · · · · · · · · · · · · · ·			
•			11. •
<u>,</u>	CERTIF	ICATE OF COMPLIANCE	
141- and the think th	ne statements made in the re	anort are correct and this	REPLACEMENT
conforms to the rules	of the ASME Code Section	XI.	repair or replacement
Type Code Symbol S	Stamp NPDAP 8.5 "ASI	ME SECTION XI REPAIR/REPLA PROGRAM	CEMENT AND REPAIR/ALTERATION
Certificate of Authoria	ation No.	N/A Expiration	Date N/A
	mal-		•
Signed CLIFF CU:	STER CHILLION Owner's Desig	SR ENGINEER I	Date 11/05/01
	**//		
	·		
•	CERTIFICAT	E OF INSERVICE INSPEC	TION
I, the undersigned, h	holding a valid commission is	ssued by the National Board of	f Boiler and Pressure Vessel Inspectors ACTORY MUTUAL INSURANCE CO. of
and the State or Pro	JOHNSTON, R.I.	have i	inspected/the components described in th
Owner's Report duri	ng the period	has performed examinations a	///7/0 , and state that to and taken corrective measures described
this Owner's Report	in accordance with the requ	irements of the ASME Code,	Section XI.
	d corrective measures desc able in any manner for any p	wheel in this Council Dancet	arranty, expressed or implied, concerning Furthermore, neither the Inspector nor his rage or a loss of any kind arising from or
Robert	Cimoch)	Commissions NB 75	509 (N,I) PA 2/62 Board, State, Province, and Endorsements
m rap	J		

•	
Form No.	1438

Owner	F.E.N.O.C.	· · · · · · · · · · · · · · · · · · ·	_ Dat	e	12-0	7-01	
76 South M	lain Street – Akro (ADDRESS)	on, OH 44308	_ She	et <u>1</u>	of	·	1
Plant	Beaver Valley P	ower Station	Unit	t No.		1	
	Shippingport, P/	A 15077	<u> </u>	W.O. #		354-000 No., JOB No.,	ETC.
Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	policable
·.·	Shippingport, PA	A 15077	Aut	horization No. 🕹		N/A	
	(MDUNESS)	•	Ехр	iration Date _		"	
(b) Applicable	Construction Code Edition of Section X	Utilized for Repairs	or Reptacements			Code Ca	
Identification	n of Components	s Hepaired or He	ріасец апц пер	nacements com	ponenc		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built*	Repaired, Replaced, or Replacement	Code Stampe (YES
Name of Component	Name of	Manufacturer	National Board	Other	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stampe (YES (NO)
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	Code Stampe (YES 6 NO)
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built*	Repaired, Replaced, or Replacement	Code Stampe (YES NO)
Name of Component	Name of Manufacturer Walworth	Manufacturer Serial No.	National Board No.	Other Identification	Year Built*	Repaired, Replaced, or Replacement	Code Stampe (YES (NO)
Name of Component	Name of Manufacturer Walworth	Manufacturer Serial No.	National Board No.	Other Identification	Year Built*	Repaired, Replaced, or Replacement	Code Stampe (YES (NO)
Name of Component	Name of Manufacturer Walworth	Manufacturer Serial No.	National Board No. N/A	Other Identification 1SI-6	Year Built*	Repaired, Replaced, or Replacement	Code Stampe (YES 6 NO)
Name of Component Check Valve	Name of Manufacturer Walworth	Manufacturer Serial No.	National Board No. N/A	Other Identification 1SI-6	Year Built*	Repaired, Replaced, or Replacement	Code Stampe (YES (NO)

). Remarks No Code Data Report a	vailable. *Year insta	lled.	and protest of	i
		e el como te		
				·
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	·	
			•	
				·
	CERTIFICATE OF CO	MPLIANCE		·
We certify that the statements made in	the report are correct	and this	Replacement	conforms
the rules of the ASME Code Section XI			Repair Or Replacement	
			and Damain/Attaches [
pe Code Symbol Stamp <u>per NPDAP 8.</u>	5 ASME Section XI He	epair/Hepiacement a	ing Hepair/Aiteration i	Program
and the second second second	4.54			
ertificate of Authorization No. N/A	Expiration	Date	N/A	
SO 11 Jan	Lead ENINES	D-1- D		00 01
gned by Wee		Date <u>D</u>	ecember 7	_, 2001_
C Como o Como o Como	, 1110			
I, the undersigned, holding a valid commission and the State or Province of Pennsylvan Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Owner	and employed by have inspected the	Factory Mutual Incomponents describ	nsurance Co. of ed in the	at to the
Owner's Report in accordance with the requi		•	MYC MC23dic3 Good Ex	
By signing this certificate neither the inspect examinations and corrective measures desc shall be liable in any manner for any persona this inspection.	ribed in this Owner's Rep	ort. Furthermore, ne	ither the inspector nor I	nis employer
Robert Cinece	D Comm	issions NB75 National Boar	09 (WI) I	PA2162
Date Dec 19	, 20 <u>01</u>			

Form I	No.	1442 \	
	10.		

Owner	F.E.N.O.C.	•	Da	te	12/0	07/01	
76 South	Main Street - Akr (ADDRESS)	on, OH 44308	Sh	eet <u>1</u>	0	f	
Plant	Beaver Valley F	Power Station	Uni	it No.	·	1	
•	Shippingport, P. (ADDRESS)	A 15077	·	W.O.	. 01-018 ZATION P.O	095-000 NO., JOBNO.,	ETC.
Work Perfo	ormed By <u>BVPS</u>	6 - Maintenance	Тур	e Code Symbo	l Stamp	Not A	pplicable
	Shippingport, P.	A 15077	Aut	thorization No		N/A	
	(ADORESS)		Exp	oiration Date		α	
Identificatio	n of System _	Main Steam (C	Class Q2)	e st			•
	Construction Code				N		
	Edition of Section X		•	•	ıa, <u> </u>	N/A Code C	Jas e
• •	n of Components	· .	•	•	nponent	. · S	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (YES o NO)
ozzle Check	Enertech	10550	N/A	1MS-20	1997	Replaced	Yes
ozzie Check	Enertech	11075	N/A	1MS-20	2001	Replace- ment	Yes
						<u>-</u>	:
			. ,				
				•			
Description	of Work Repl	laced valve with	spare.		<u></u>		

	10.504.4	
but are installed in an Al	NSI B31.1 system.	
· .		
	CERTIFICATE OF COMPLIANCE	
We certify that the statements the rules of the ASME Code Se	made in the report are correct and this	Replacement conforms Repair Or Replacement
	PDAP 8.5 "ASME Section XI Repair/Replacem	ent and Repair/Alteration Program*
ertificate of Authorization No.	N/A Expiration Date	N/A
igned Slute	Land England Date	December 14 , 20 01
Owner or Owne	CERTIFICATE OF INSERVICE INSPECTION	N
I, the undersigned, holding a valid of and the State or Province of	CERTIFICATE OF INSERVICE INSPECTION commission issued by the National Board of Boiler ennsylvania and employed by Factory Mu have inspected the components de 1/5/0/1 to 1/2	and Pressure Vessel Inspectors tual Insurance Co of escribed in the 1901, and state that to the
I, the undersigned, holding a valid of and the State or Province of	CERTIFICATE OF INSERVICE INSPECTION commission issued by the National Board of Boiler ennsylvania and employed byFactory Mu	and Pressure Vessel Inspectors tual Insurance Co of escribed in the 1901, and state that to the
I, the undersigned, holding a valid of and the State or Province of	CERTIFICATE OF INSERVICE INSPECTION commission issued by the National Board of Boiler ennsylvania and employed by Factory Mur have inspected the components de 1/5/0/ to 1/2/ ne Owner has performed examinations and taken of	and Pressure Vessel Inspectors tual Insurance Co. of escribed in the 1/9/0/, and state that to the corrective measures described in this expressed or implied, concerning the re, neither the inspector nor his employer

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 _______

1. Manufactured and c	ertified by Enertech,	A Div. of Curtiss-	Wright Flow Co	ntrol Corp., 2950	Birch St	., Brea, CA 92821
				N Certificate Holde		
2. Manufactured for	First	Energy Corp.; F			309-361	1
			ne and address of P			
3. Location of installati	ionBeave	er Valley Power			port, PA	15077
4. Model No., Series N	o., or TypeDR\	/-Z Drawing	(name and ad PD98401	dress) Rev	E .	CRN None
5. ASME Code, Section	n III, Division 1:	1971	\$72	3		None
	de Objectivité	(edition)	(addenda date)	(class)		(Code Case no.)
6. Pump or valve Noza	Nor	minal inlet size	3	Outlet size	3	
	SA-105	. A1/A	(in.)	4707 640	(in.)	
7. Material: Body	<u> Эд-103</u> Вог	nnet N/A	Disk SA	-479 Type 316	Bolting .	N/A
		•	ta in			
(a)	(b)	(c)	(d)	-	(e)
Cert.	Nat'i	Boo	• .	Bonnet		Disk
Holder's	Board	Seri	•	Serial		Serial
Serial No.	No.	No.		Nó.		No.
11075	None	KEI⊣		None		- JKT-023
11076	None	KEI-	002	None		JKT-024
				· · · · · · · · · · · · · · · · · · ·		
	; ·	<u> </u>			 	4 4 4 4 4 4
		·			<u> </u>	
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(12/88)

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

REPRINT 6/93

^{*}Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ × 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 ______)

			Certificate noide	a 2 Sengi IAO	•
3. Design conditions110	0 psi	560	oF or valve pressu		- 600 ·
(pressu		(temperature)	r or valve pressu	re class	
					•
Cold working pressure1	psi at	100°F	•		
14. de caracio 1011 2175	•	**	•	1600	
. Hydrostatic test2173	psi. Disk diffe	rential test press	ure	1600	
			•		
Remarks: Qty. 2, Enertech Jo	ib Number 2462	80		· · · · · · · · · · · · · · · · · · ·	
			-		
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			1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
		•			
· · · · · · · · · · · · · · · · · · ·					
	CERTI	FICATION OF DI	SIGN		
-	OCH				•
-i Consideration contilled by	Francis W. C	Sardner	DE CO.	_	036614-F
sign Specification certified by	Ira I Silverm	an	P.E. State PA CA	Heg. r	23241
sign Report certified by			P.E. State	Reg. r	10
•					. •
•		•			
<u> </u>	·	·		•	
the ASME Code, Section III, Divis Certificate of Authorization No		N-2826	Expise:	. 1	0/26/02
		-	71	n.	f .
ate 4/30/01 Name	Enertec	h	Signed A	VEW	utiti
	(N Certificate H	lolderi		thorized repre	sentativel
			· · · · · · · · · · · · · · · · · · ·		
	CERTIF	ICATE OF INSPE	CTION		
	• • •				
the undersigned, holding a valid	commission issued	I by the Nationa	I Board of Boiler and	Pressure Ve	ssel Inspectors and
e State or Province of	California	sn	d employed by Hartfor	d Steam Boil	er Insp. & Insur. Co.
Connecticu	ıt		ed the pump, or valve,		
4/30/01	, and state that to		knowledge and belief,		. •
ructed this pump, or valve, in acco			•	, and Columb	ate monder mas com
sector and braids or coise, at 9000	nudire with the Mi	JINE COUR, SECT	will, DWS011.		
signing this certificate, neither to		•			
imponent described in this Data Re					
y personal injury or property dama	age or a loss of any	kind arising from	n or connected with th	is inspection	ı .
	11	1		•	
ate 4/30/61 Signed We	the May	Commissions	LA1494	·	
(Auti	horized Inspector)		[Nat'l. Bd. (incl. endor	sements) and a	state or prov. and no.

(1) For manually operated valves only.

•								. :
		Form	No.	<u> </u>	:	. 1	44	<u>7 . </u>
	• •					٠		
		•					•	

Owner	F.E.N.O.C.	•	_ Date	9	10-10	<u>)-01</u>	• • • •
76 South I	Main Street - Akn	on, OH 44308	_ She	et <u> </u>	of		1
Plant		ower Station	Unit	l No.	1		
	(NAME) Shippingport, P	-1:		W.O. (00-0078	01-000	
Work Perfo	(ADDRESS) Drmed By _BVPS	G-Maintenance	Тур	REPAIR ORGANIZA e Code Symbol			
. <u>William pa</u>	Shippingport, P. (ADDRESS)	1 . 1	•	norization No		N/A	
Identification	on of System	Chemical & Vol					
(a) Applicabl	e Construction Code	ANSI B31	<u>.1</u> 19 <u>67</u> Éditi	ion, <u>S'71</u> Addenda	·	<u>N/A</u> Code (Case
(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements_	1989		. •	
Identification	on of Components	s Repaired or Re	placed and Rep	lacements Com	ponents		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASM Cod Stamp (YES NO)
Piping	FENOC	N/A	N/A	СН-87	2001	Replace- ment	No
•							•
fage s					L		
factor is							Ì
Edu a							
	ı of Work <u>Rep</u>	laced 2"x1" pipe	fitting.		7.		
	of Work Rep	laced 2"x1" pipe	fitting.				

Remarks <u>No Code Data Repo</u> <u>on Isometric drawing 6.24-2</u>					
OI ISOINGUIC GIAWING 0.24-2	.07, was replace	sa per code (<u>Jase 14-4 10</u>	- 1.	
					tat s
		• • • • • • • • • • • • • • • • • • •			
	CERTIFICAT	E OF COMPI	LIANCE		
				· 计复数数 1000	
We certify that the statements ma	do in the report a	re correct and	thie	Replacement	conform
o the rules of the ASME Code Section		ie conect and		Repair Or Replacement	Condin
ype Code Symbol Stamp _per ½-AD	M-0801 "ASME S	ection XI Repa	ir/Replaceme	nt and Repair/Alteration	Program*
Certificate of Authorization No.	WA E	xpiration Date		N/A	
$0a \times 0$					
igned SLIDE	Land Eupo	اوحی Dat	e	October 10	. 20 01
Owner or Owner's De		Dat	•	OCCUPET TO	_, 20
i, the undersigned, holding a valid command the State or Province of Penns	vivania and emp	ne National Boar	d of Boiler and actory Mutual	Insurance Co. of	
Johnston, R.I. Owner's Report during the period	9/12/	pected the comp	ponents descri	and state the	at to the
best of my knowledge and belief, the O	wner has nerformer	l examinations a	nd taken corre		
Owner's Report in accordance with the	•				
		,			
By signing this certificate neither the ins	spector nor his emp	loyer makes any	warranty, exp	ressed or implied, conce	ming the
examinations and corrective measures	described in this O	vner's Report. F	urthermore, n	either the inspector nor h	nis employer
shall be liable in any manner for any pe	rsonal injury or prop	erty damage or	a loss of any l	kind arising from or conn	ected with
this inspection.			٠.		
Robert Cemor	D	Commission	s NB75	09(N,I)PA 2	162
Inspector's Signature				ard, State, Province, and Endors	ements
0+11	~ 01		. • .		
Date	, 20 <u>U /</u>			,	

Form No.	1449

. Owner	F.E.N.O.C.	· · · · · · · · · · · · · · · · · · ·	_ Date	9	12-0	7-01	
76 South M	ain Street - Akr	on, OH 44308	_ She	et <u>1</u>	of	1	I
Plant	Beaver Valley F	ower Station	Uni	No	1	<u> </u>	
	Shippingport, P.	A 15077	· · · · · · · · · · · · · · · · · · ·	W.O. #		892-000 No., Job No.,	ETC.
Work Perfor	med By <u>BVPS</u>	S - Maintenance	Тур	e Code Symbol \$	Stamp	Not A	oplicable_
	Shippingport, P	A 15077	Auti	norization No	· Lee' -	N/A	• <u>•• </u>
	(ADORESS)	. ,	Ехр	iration Date	•	. «	
(b) Applicable I	Edition of Section X	B16.5 I Utilized for Repairs s Repaired or Re	or Replacements	1989E		Code Ca	ise
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES o NO)
Globe Valve	Masoneilan	H-49378-103-2	NĄ	TV-1MS-105B	1976	Repaired	No
· .							
					:.		
·						record re-	
. Description	of Work <u>We</u>	ld repaired lower		ned, replaced tw	o body	/bonnet st	uds.
. Tests Condu	ucted: Hydros	static Pne	eumatic 🔲	Nominal Operati	ng Pres	ssure 🛛	· .

المراقب	CERTIFICATE OF COMPL	IANCE	
We certify that the statements the rules of the ASME Code So	made in the report are correct and tection XI.	his Repair Or Replaceme	conform
pe Code Symbol Stamp <u>per N</u>	IPDAP 8.5 "ASME Section XI Repair/F	Replacement and Repair/Alteration	on Program"
ertificate of Authorization No.	N/A Expiration Date	N/A	
10.	and the second second		
gned Wite	Lead Eurilas Date	December 7	, 2001_
Owner or Owne	r's Designee, Title U		
· ·	commission issued by the National Board	actory Mutual Insurance Co.	
Johnston, R.I.	have inspected the comp		
A to the third and the same about	7///01 to	/2//9/0/, and state	
Owner's Report during the period	ie Owner has performed examinations ar		anded in this
best of my knowledge and belief, th	•	ection XI.	
best of my knowledge and belief, th	the requirements of the ASME Code, Se	ection XI.	
best of my knowledge and belief, the Owner's Report in accordance with By signing this certificate neither the examinations and corrective measu	the requirements of the ASME Code, Se the inspector nor his employer makes any tures described in this Owner's Report. For	warranty, expressed or implied, co urthermore, neither the inspector r	or his employer
best of my knowledge and belief, the Owner's Report in accordance with By signing this certificate neither the examinations and corrective measu	the requirements of the ASME Code, Se the inspector nor his employer makes any	warranty, expressed or implied, co urthermore, neither the inspector r	or his employer

Form	No	1450
-om	1 4 (3.	1400

					·		
1. Owner	F.E.N.O.C.	····	_ Dat	te	12-0	8-01	
76 South M	ain Street - Akro	on, OH 44308	_ She	et <u>1</u>	of		<u> </u>
2. Plant	Beaver Valley Po	ower Station	Uni	it No.	1	·	
	Shippingport, PA	\ 15077		W.O. (03-000 No., JOB No.,	ETC.
3. Work Perfor	med By <u>BVPS</u>	- Maintenance	Тур	oe Code Symbol S	Stamp	Not A	poficable
	Shippingport, PA	\ 15077	. Aul	thorization No. 🔝		N/A	·
	(ADDRESS)	,	-,	oiration Date		«	,
				· 	• • • •		
4. Identification	n of System	Chemical and \	/olume Control	I (Q2)	West as		
5. (a) Applicable	Construction Code	ANSI B16	.5 19 68 Edi	tion, Addenda, _	, 3.0	N/A Code	Case
•		Utilized for Repairs			•	٠	
6. Identification	n of Components	Repaired or Re	placed and Re	placements Com	ponents	3 .	
		İ				Repaired, Replaced,	ASME Code
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	or Replacement	Stamped (YES or NO)
Gate Valve	Velan Valve	N/A	N/A	MOV-1CH-370	1976	Repaired	No
			·		·		
					٠.		
· ·			· · ·				
· .							
7. Description	of Work <u>Rep</u>	laced valve body	to bonnet stud	ds and nuts.			
8. *Tests Cond	ducted: Hydros Other [eumatic 🗌	Nominal Operat Test Temp.	_		*N/A

·	
	CERTIFICATE OF COMPLIANCE
We certify that the statements made	e in the report are correct and this Replacement confor
the rules of the ASME Code Section	
Ondo Combat Stome an NDDAE	0 6 *ACME Cartion VI. Danair/Replacement and Renair/Alteration Program
pe Code Symbol Stamp <u>per NPUAP</u>	2 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"
rtificate of Authorization NoN	A Expiration DateN/A
$00 \vee 1$	and the second of the second o
aned Skwite	Lead Eugr. Date <u>December 8</u> , 20 01
Owner or Owner's Desig	mee, Title
C	ERTIFICATE OF INSERVICE INSPECTION
the undersigned, holding a valid commissand the State or Province of Pennsylv Johnston, R.I. Owner's Report during the period pest of my knowledge and belief, the Ownowner's Report in accordance with the research of the period owner's Report in accordance with the research of the period owner's Report in accordance with the research of the period of	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors vania and employed by <u>Factory Mutual Insurance Co.</u> of have inspected the components described in the 9/24/01 to /2/9/01, and state that to the ner has performed examinations and taken corrective measures described in this equirements of the ASME Code, Section XI.
the undersigned, holding a valid commissand the State or Province of Pennsylv Johnston, R.I. Dwner's Report during the period pest of my knowledge and belief, the Own Owner's Report in accordance with the recession of the period period period by signing this certificate neither the inspector of the period pe	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors varia and employed byFactory Mutual Insurance Co of have inspected the components described in the to

Form No.	1452	

		1. 11. 11. 11. 11. 11. 11. 11. 11. 11.	MLX.		•	•	
. Owner	F.E.N.O.C.	J 11.15.5	Dat	te	12-1	0-01	
76 South M	lain Street — Akro (ADDRESS)	on, OH 44308	She	eet <u>1</u>	o	f	1
. Plant	Beaver Valley P	ower Station	Uni	it No.		1	
	Shippingport, P/ (ADDRESS)	A 15077	· · ·	W.O. REPAIR ORGANIZ		020-000 No., Job No.,	ETC.
. Work Perfor	rmed By <u>BVPS</u>	- Maintenance	э Тур	e Code Symbol	Stamp	Not A	pplicable
 	Shippingport, P/	15077	Aut	horization No	<u> </u>	N/A	
	\		Ext	oiration Date _		"	
. Identification	n of System	Chemical and	Volume Control	(Q2)			
. (a) Applicable ode Case	Construction Code	ANSI B16	19_68	Edition,		Addenda,	
	Edition of Section X				ponent	S	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Gate Valve	Velan	N/A	N/A	1CH-159	1976	Repaired.	No
Wedge	Velan	4632	N/A	Ht #39024	2001	Replace- ment	No
Studs	Nova Machine	N/A	· · · N/A	Ht #B157	2001	Replace- ment	No
				:			
. Description	of Work <u>Rep</u>	aced valve wed	dge and body to	bonnet studs.	-		:
				 			
. *Tests Cond	ducted: Hydros Other		neumatic 🗌	Nominal Opera Test Temp.	-		*N/A

. Remarks No Code Data Report available. *Year installed.		
. Homeno <u>110 out the land</u>		
	•	
	· · · · · · · · · · · · · · · · · · ·	
•		
·		
CERTIFICATE OF COMPLIANCE	.	
are all at the second and this	Replacement	conform
We certify that the statements made in the report are correct and thisthe rules of the ASME Code Section XI.	Repair Or Replacement	
die luica of dio / totale odda odda ar		٠.
pe Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replace	ement and Repair/Alteration I	rogram
ertificate of Authorization No. <u>N/A</u> Expiration Date	N/A	
$10\sqrt{}$		
igned Alle Land Expire Date	December 10	_, 20 <u>01</u>
Owner or Owner's Designee, Title		<u> </u>
I, the undersigned, holding a valid commission issued by the National Board of Board the State or Province of Pennsylvania and employed by Factory	ler and Pressure Vessel Inspec	ctors
	described in the	· .
Owner's Report during the period 4/24/01 to /.	2//4/0/ and state the	at to the
best of my knowledge and belief, the Owner has performed examinations and take		
Owner's Report in accordance with the requirements of the ASME Code, Section 2	CI.	•
On the Control of the		
By signing this certificate neither the inspector nor his employer makes any warran	nty, expressed or implied, conc	eming the
examinations and corrective measures described in this Owner's Report. Furthern	nore, neither the inspector nor	his employer
shall be fiable in any manner for any personal injury or property damage or a loss	of any kind arising from or conr	nected with
this inspection.		
- A .	•	•
Blat C Y)	RTENG(NIT) PI	9167
Commissions No.	utional Board, State, Province, and Endor	sements
Inspector's Signature	more mary trans, i to many and when	
Date Dec 14, 20 01	•	•
Date 011 7 , 20 01	•	

		-	
Form	No.		1453

Shippingport, PA 15077 (ADDRESS) 3. Work Performed By BVPS - Construction (NAME) Shippingport, PA 15077 Shippingport, PA 15077 (ADDRESS) Type Code Symbol Stamp No. N/A Expiration No. Expiration Date 4. Identification of System River Water (Q3)	O., ETC.
76 South Main Street – Akron, OH 44308 Sheet 1 of (ADDRESS) 2. Plant Beaver Valley Power Station Unit No. 1 Shippingport, PA 15077 W.O. 01-019801-000 (ADDRESS) REPAIR ORGANIZATION P.O. NO. JOBN 3. Work Performed By BVPS - Construction Type Code Symbol Stamp No. (NAME) Shippingport, PA 15077 Authorization No. N/A (ADDRESS) Expiration Date " 4. Identification of System River Water (Q3) 5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S71 Addenda, NVA Cod (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E 6. Identification of Components Repaired or Replaced and Replacements Components Name of Component Name of Manufacturer Secial No. No. Identification Paik Repaired Replacements Components Name of Component Name of Manufacturer Secial No. No. Identification Replacements Components Name of Component Name of Name of Name of Replacement No. Identification Replacements Replacements Replacements Components	O., ETC.
2. Plant Beaver Valley Power Station Unit No. 1 Shippingport, PA 15077 W.O. 01-019801-000 (ADDRESS) REPAIR ORGANIZATION P.O. NO. JOEN 3. Work Performed By BVPS - Construction Type Code Symbol Stamp No. (NAME) Shippingport, PA 15077 Authorization No. N/A (ADDRESS) Expiration Date 4 4. Identification of System River Water (Q3) 5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, N/A Cod (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E 6. Identification of Components Repaired or Replaced and Replacements Components Name of Manufacturer Serial No. National Board Other Year Replaced. Replacements Serial No. No. (Replacements Replacements Repl	O., ETC.
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3. Work Performed By BVPS - Construction Type Code Symbol Stamp No. 100 No. 10	O., ETC.
3. Work Performed By BVPS - Construction Type Code Symbol Stamp No. 100 No. 10	O., ETC.
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Expiration Date 4. Identification of System River Water (Q3) 5. (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S71 Addenda, N/A Cod (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E 6. Identification of Components Repaired or Replaced and Replacements Components Name of Component Manufacturer Serial No. National Board Other Year Replacement No. Identification Built Replacement	
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(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E 6. Identification of Components Repaired or Replaced and Replacements Components Name of Name of Manufacturer National Board Other Year Replaced, or Replacements Repaired, Replaced, or Replacements Repaired, Replacements R	, À
6. Identification of Components Repaired or Replaced and Replacements Components Name of Name of Manufacturer National Board Other Year Replaced, or Component Manufacturer Serial No. No. Identification Built Replacemen	e Case
Name of Name of Manufacturer National Board Other Year or Component Manufacturer Serial No. No. Identification Built Replacemen	
Name of Name of Manufacturer National Board Other Year or Component Manufacturer Serial No. No. Identification Built Replacemen	
Pipe Stone & N/A N/A WR-402 1976 Replace	nt (YEŞ o NO)
Webster	d No
Pipe FENOC N/A N/A WR-402 2001 Replace	> No
ment	1::
	-1
7. Description of Work Replaced section of pipe.	
	•
	,
8. Tests Conducted: Hydrostatic 🗌 Pneumatic 🗌 Nominal Operating Pressure 🛛	

Case N-416-1.	

•	
	CERTIFICATE OF COMPLIANCE
We certify that the statements the rules of the ASME Code Se	made in the report are correct and this <u>Replacement</u> conform ection XI.
/pe Code Symbol Stamp <u>per N</u>	IPDAP 8.5 "ASME Section XI Repair/Replacement and Repair/Alteration Program"
ertificate of Authorization No.	N/A Expiration Date N/A
lo.X	
gned Music	Date December 8 , 20 01
Owner or Owner	r's Designee, Title
and the State or Province of Pe	commission issued by the National Board of Boiler and Pressure Vessel Inspectors ennsylvania and employed by <u>Factory Mutual Insurance Co.</u> of have inspected the components described in the
·	The Owner has performed examinations and taken corrective measures described in this of the ASME Code, Section XI.
Owner's Report during the period best of my knowledge and belief, th Owner's Report in accordance with	ne Owner has performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI.
Owner's Report during the period best of my knowledge and belief, th Owner's Report in accordance with By signing this certificate neither th	ne Owner has performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI. ne inspector nor his employer makes any warranty, expressed or implied, concerning the
Owner's Report during the period best of my knowledge and belief, the Owner's Report in accordance with By signing this certificate neither the examinations and corrective measurements.	ne Owner has performed examinations and taken corrective measures described in this in the requirements of the ASME Code, Section XI. The inspector nor his employer makes any warranty, expressed or implied, concerning the sures described in this Owner's Report. Furthermore, neither the inspector nor his employer
Owner's Report during the period best of my knowledge and belief, the Owner's Report in accordance with By signing this certificate neither the examinations and corrective measures shall be liable in any manner for an	ne Owner has performed examinations and taken corrective measures described in this the requirements of the ASME Code, Section XI. ne inspector nor his employer makes any warranty, expressed or implied, concerning the
Owner's Report during the period best of my knowledge and belief, th Owner's Report in accordance with By signing this certificate neither the examinations and corrective measu	ne Owner has performed examinations and taken corrective measures described in this in the requirements of the ASME Code, Section XI. The inspector nor his employer makes any warranty, expressed or implied, concerning the sures described in this Owner's Report. Furthermore, neither the inspector nor his employer

Form No.	1454		
1 01111 110.	1707	 	

							
1. Owner	F.E.N.O.C.		_ Date	•	12-10)-01	
76 South Ma	ain Street - Akro	n, OH 44308	_ She	et <u>1</u>	of	1	
•	(ADDRESS)	• • •	· · · ·			,	
2. Plant	Beaver Valley Po	ower Station	Unit	No	_1	•	
	(NAME)		•				
	Shippingport, PA	15077	<u> </u>	W.O. 0	0-0083		FTC
	(ADDRESS)		•	THE AIR CHOPMEN	(1011 1.0.	110., 400110.,	
3. Work Perfor	med By <u>BVPS</u>	- Maintenance	Typ	e Code Symbol S	Stamp	Not Ac	plicable
	Chinningnort DA	(/	. Audi	norization No		N/A	
<u> </u>	(ADDRESS)	15077	•		······································	11//3	
	٠.	•	Exp	iration Date		 	·
4. Identification	of System	Reactor Coolar	nt (Q1)	•			
	•				-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
5. (a) Applicable	Construction Code	ANSI B16.5	19 <u>68</u>	Edition,	-34.4	_Addenda; _	
Code Case	Edition of Continu VI	I William for Donoiro	or Pontocoments	1090	, ,		
(b) Applicable	Edition of Section Vi	Utilized for Repairs	or uehacemenia	1303C			
6. Identification	of Components	Repaired or Re	placed and Rep	lacements Com	ponents	3	
-				·		Repaired,	ASME
Name of	Name of	Manufacturer	National Board	Other	Year	Replaced.	Code Stamped
Component	Manufacturer	Serial No.	No.	identification	Built*	Replacement	(YES or NO)
:s. s				BOY IDO 456	1076	Denimal	NTo .
Globe Valve	Masoneilan	H-20693-5-3	N/A	PCV-1RC-456	1976	Repaired	No
				** "	0001	7	NT-
Plug Assy.	Masoneilan	N/A	N/A	Ht #G4151-24	2001	Replace- ment	No
					:	ास हिंदी के	77-

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7. Description	of Work Rep	laced plug asse	mbly.		•		-
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					·-·		
			—		t D	67	
Tests Cond	•		eumatic 🗌	Nominal Operat			
	Other [Pressure _	psi	Test Temp.		°F	

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		CERTIFICATE O	F COMPLIANC	E		,r
	the statements made ASME Code Section		orrect and this	Re	Replacement pair Or Replacement	conform
ne Code Symbo	ol Stamp per NPDAP	2 8.5 "ASME Section	XI Repair/Replac	ement and	Repair/Alteration	Program"
pe oodo cynno	, outp <u>_po</u>				,	
ortificate of Auth	orization NoN/	/A Expira	ation Date		N/A	
illikate of Addin	onzadon No	<u> </u>				
XOL	مرکام	1 - 1 Elma	Date	Door	mbor 10	20 01
gned ZV	Owner or Owner's Design	mea Title	Date	Dece	mber IU	, 20 <u>01</u>
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>					 	
	c	ERTIFICATE OF IN	SERVICE INSPEC	TION		•
•	·		•			
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	, holding a valid commi					
						of
and the State or P	Province of Pennsyl					of
and the State or P	nston, R.I.	have/inspec	ted the components	described	in the	
and the State or P John Owner's Report du	nston, R.I. uring the period	have/inspec	ted the components Of to	described	in the	that to the
and the State or P John Owner's Report do best of my knowle	nston, R.I. uring the period odge and belief, the Owr	have/inspec 9/26/ ner has performed exa	ted the components O to minations and take	described 2//3/ en corrective	in the	that to the
and the State or P John Owner's Report do best of my knowle	nston, R.I. uring the period	have/inspec 9/26/ ner has performed exa	ted the components O to minations and take	described 2//3/ en corrective	in the	that to the
and the State or P John Owner's Report du best of my knowle Owner's Report in	nston, R.I. uring the period adge and belief, the Owr accordance with the re	have/inspectors 9/26/ ner has performed example and the ASI	ted the components Modern	described 2/3/ en corrective XI.	in the	that to the ibed in this
and the State or P John Owner's Report do best of my knowle Owner's Report in	nston, R.I. uring the period adge and belief, the Owr accordance with the re rtificate neither the insp	have/inspector has performed example and the ASI pector nor his employe	ted the components Method	s described 12/13/0 en corrective XI. nty, express	in the	that to the ibed in this nceming the
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John Owner's Report du best of my knowle Owner's Report in By signing this cer examinations and	nston, R.I. uring the period odge and belief, the Owr accordance with the re rtificate neither the insp	have/inspector has performed example and the ASI pector nor his employed escribed in this Owner	ted the components O	s described 12//3/0 en corrective XI. hty, express nore, neithe	in the	that to the ibed in this nceming the or his employer
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and the State or P John Owner's Report do best of my knowle Owner's Report in By signing this cer examinations and shall be liable in a	uring the period adge and belief, the Own accordance with the restricted relative measures deany manner for any pers	have/inspector has performed example and the ASI pector nor his employed escribed in this Owner sonal injury or property	ted the components O	en corrective XI. http://www.expressmore, neitheof any kind	in the	that to the ibed in this neeming the or his employer needed with

Form	Ma	1459	

(ADDRESS	Akron, OH 443		Date	1	_12/13/01 of	<u> </u>
(ADDRESS Beaver Valle (NAME) Shippingpor	ey Power Station		Sheet	1	of	1
(NAME) Shippingpor		on			,	
			Unit No		1	•
		:	WO 00-0285		N P.O. NO., JOB NO	., ETC.
ned By <u>Fl</u>	ENOC Mainten	ance	Type Code §	Symbol Sta	amp	N/A
		<u> </u>	Authorization	No.	N/A	
(ADDRESS)			Expiration D	ate	N/A	
of System	Chemical	l and Volume	Control (Q2)	,*		
onstruction C	ode B31.1	1967	Edition S'71 Adde	nda ≟	Codo Cos	
			•		Code Cas	H U
of Compon	ents Repaired	or Replaced	and Replacemen	ts Compo	nents	
	Manufacturer Serial No.	National Board No.	Other (dentification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES o NO)
rosby	51382-M3	N/A	RV-1CH-209	N/A	repaired	NO
rosby	522051	N/A	NX2619	N/A	replaced	NO
rosby	N/A	N/A	P/N 086718	N/A	replaced	NO
rosby	N/A	N/A	N/A	N/A	replaced	NO
reviously re	built to 96-520	967). Replace	ed spring,spindle, ed nozzle from st	disc, and ock.	disc ring, all ta	ıken fro
	of System construction Codition of Section of Components crosby crosby crosby crosby crosby crosby crosby	of System	construction Code B31.1	Chemical and Volume Control (Q2) Construction Code B31.1 1967 Edition, S71 Addedition of Section XI Utilized for Repairs or Replacements 1989 of Components Repaired or Replaced and Replacement Serial No. National Board Revenue Serial No. No. Revenue Manufacturer Serial No. No. Revenue Manufacturer Serial No. No. Revenue Manufacturer Serial No. No. No. Revenue Manufacturer Serial No.	Chemical and Volume Control (Q2) Construction Code B31.11967 Edition, S*71 Addenda, dition of Section XI Utilized for Repairs or Replacements 1989_ Of Components Repaired or Replaced and Replacements Components Repaired or Replaced and Replacements Components Repaired No. National Board No. National Board No. No. Crosby 51382-M3 N/A RV-1CH-209 N/A Crosby 522051 N/A NX2619 N/A Crosby N/A N/A N/A N/A N/A N/A Crosby N/A N/A N/A N/A N/A Crosby N/A N/A N/A N/A N/A Crosby N/A N/A N/A N/A N/A N/A N/A Crosby N/A	Expiration Date

9. Remarks	Valve s/n 513	32M3 st	de JB-25-TD	WR-B Size	2J3	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Previou	ıs NIS-2 Data r	eport #869		• •			<u> </u>
	·						
•							
				•			
			TICIOATE OF	COMPLIANC	E		
	•	CEH	HIPICATE OF	COMPLIANC		·	· · · · · · · · · · · · · · · · · · ·
We certify to the rules of	that the statementhe ASME Code	nts made in the Section XI.	report are co	rect and this	Re	replacement pair Or Replacemen	conforms
Type Code Sy	mbol Stamp NF	DAP 8.5 "ASM	E Section XI R	epair/Replaceme	ent and Rep	pair/Alteration Pr	ogram"
Certificate of A	Authorization No.	N/A	Expirat	ion Date	·	N/A	
Signed	Bussi	< 1	Nuc. Eng.	Date	12/14	1	_, 20 <u>0 </u>
		CERTIF	ICATE OF INSI	ERVICE INSPEC	CTION		
owner's Report best of my km	gned, holding a val or Province of Johnston, R.I. ort during the perio lowledge and belief ort in accordance v	Pennsylvania d t, the Owner has	and employed have inspecte /0/9/0 approximately	by <u>Factory</u> d the component to dinations and tak	Mutual Insurs described (2 / / / / en corrective	inthe one state	of that to the
examinations	is certificate neithe and corrective me in any manner for n.	asures describe	d in this Owner's	Report. Further	more, neith	er the inspector n	or his employer
Rol	vert C	7 o Umor Signature	D .	ommissions $\frac{\nu}{\nu}$	B 750 lational Board, S	9 (N,I, State, Province, and En	PA2162 dorsements
Date	Dec_	14 .2	0 0/			•	

RTL	#A4	414	Α

Form No.	1460

	•		•	,	
-	OwnerFENOC			Date 10/08/2001	
	(Name)				
	76 SOUTH MAIN STELLT - AKRON, OH.	<u>4</u> 43	og	Sheet of	4
	Plant Beaver Valley Power Station	* :		Unit No. BV-1	
	(Name)	-			
	Shippingport, PA 15077			DCP-238	6
	(Address)	-	•	Repair Organization P.O.	
•	Work Performed By FENOC (Name)	<u>-</u>		Type Code Symbol Stamp	Not Applicable
	Shippingport, PA15077			Authorization No.	lot Applicable
	(Address)	-		<u></u>	
				Expiration Date	lot Applicable
	Identification of SystemCharging (CH) (Q2)	٠.			
	(a) Applicable Construction Code ANSI B31.1	19	67	Edition, Summer Addenda	Code Case
	(b) Applicable Edition of Section XI Utilized for Repai		Donla		N-416-1
	to) Applicative Edition of Section At Officed for Repair	is or	періа	ements 19 <u>89</u>	
	•			•	

6. Identification of Components Repaired or Replaced and Replacement Components

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

low Element	Flow Element	Not Applicable	Not Applicable	FE-1CH-155	N/A	Replacement	No
low Element	Tioga Pipe	Not Applicable	Not Applicable	FE-1CH-156	N/A	Replacement	No
Description of V	ork Pipinę	g modifications to rer	nove existing flo	w transmitters and valves.	l install repl	acement piping, orifice	flanges,
Tests Conducte	d: Hydrosta	tic□ Pn	eumatic 🛚	Nominal Open	ating Press	nke 屆	
•	Other 🛘	Pressu	re	psi Tes	st Temp.	° F	
. Remarks: Ti	sis DCP consists	of removing existing	Reactor Coolant	Pump Seal Leak	Off Flow Tr	ansmitters and	
-					• *		
				DOD			
replace both the	ne narrow and v	vild range transmit	ters on all thre	e RCPs with dua	ai range (wide & narrow) offic	ce plates/
flanges and R	osemount trans	mitters. Physical c	hanges consis			es, orifice flanges, l	
flanges and R	osemount trans		hanges consis				
flanges and R	osemount trans	mitters. Physical c	hanges consis				
flanges and R	osemount trans	mitters. Physical c	hanges consis				
flanges and R drain valves,	osemount trans tubing, fitting ar	mitters. Physical c	hanges consis				
flanges and R	osemount trans tubing, fitting ar	mitters. Physical c	hanges consis	t of new piping,			
flanges and R drain valves,	osemount trans tubing, fitting ar	mitters. Physical c	hanges consis	t of new piping,			
flanges and R drain valves,	osemount trans tubing, fitting ar	mitters. Physical c	hanges consist nt valves. CATE OF CO	t of new piping,	orifice plat		
flanges and R drain valves, We certify to	osemount trans tubing, fitting ar hat the stateme	mitters. Physical conditions instrument of tubing i	hanges consistent valves. CATE OF CO	t of new piping, OMPLIANCE t and this	orifice plat	replacement	

CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Perusyl Vanua and employed by FACTORY MUTUAL INSURANCE of have inspected the components described in the Owner's Report during the period Owner's Report during the period Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB 73

National Board, State, Province, and Endorsements

Form No.	1460	

1.	Owner	FEN	oc		Date 10/08/2	001		
		(Nan	ne)		• • •			
•	76 Sour	W My Steet (Address)	- AKRON, OH.	44.30B	Sheet	3	of <u>4</u>	
				-				
2.	Plant Bea	ver Valley Power Sta			Unit No. <u>BV-1</u>		· · · · · · · · · · · · · · · · · · ·	
		(Nam	1 0)					
	Shippingpor	LPA 15077	•			DCP-	2386	
·		(Address)		aana	Repair On		.O. No., Job No., etc.	
			**		a effekt á til fere			
3.	Work Perfor	med By	FENOC (Name)	 .	Type Code Symbo	ol Stamp _	Not Applicable	9
	,		(Name)		• , •			
	Shippingport	. PA15077			Authorization No.	•	Not Applicable	
		(Address)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
					F!		41-4 A	
				•	Expiration Date		Not Applicable	**.:
				•			•	
4.	Identification	of System Charg	ing (CH) (Q2)				<u> </u>	
								•
6.		cable Edition of Section of Components Repo			***	19 89	N	-416-1
					***	19 89 Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	Identification	of Components Repo	aired or Replaced ar	nd Replacement National	Components	Year	Repaired, Replaced, or	ASME Code Stamped (Yes
	Identification Name of component	of Components Repair Name of Manufacturer	aired or Replaced ar Manufacturer Serial No.	National Board No.	Components Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	Identification Name of component Valve	Name of Manufacturer	Manufacturer Serial No. E514R-1-3	National Board No. Not Applicable	Other Identification	Year Built 2001	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No) No
C	Identification Name of omponent Valve Valve	Name of Manufacturer Flowserve Flowserve	Manufacturer Serial No. E514R-1-3 E514R-1-4	National Board No. Not Applicable Not Applicable Not	Other Identification 1CH-501 1CH-506	Year Built 2001 2001	Repaired, Replaced, or Replacement Replacement	ASME Code Stamped (Yes or No) No
	Identification Name of component Valve Valve Valve	Name of Manufacturer Flowserve Flowserve	Manufacturer Serial No. E514R-1-3 E514R-1-4	National Board No. Not Applicable Not Applicable Not Applicable Not Applicable	Other Identification 1CH-501 1CH-506 1CH-508	Year Built 2001 2001	Repaired, Replaced, or Replacement Replacement Replacement	ASME Code Stamped (Yes or No) No

Description of Work

Piping modifications to remove existing flow transmitters and install replacement piping, orifice flanges,

8.	lests Conducted:	Hydrostatic LI	Pheumatic L	7 14011111	ai Operating Pressure E	
		Other 🗆	Pressure	psi	Test Temp.	°F
9.	Remarks: This DC	P consists of removir	ng existing Reactor C	Coolant Pump Se	al Leak-Off Flow Transr	nitters and
	replace both the na	rrow and wild range	e transmitters on a	ll three RCPs v	vith dual range (wide	& narrow) orifice plates/
•						
	flanges and Hosen	iount transmitters. F	nysicai changes i	consist of new	oping, omice plates,	orifice flanges, low point
	drain valves, tubin	g, fitting and tubing	instrument valves	•		
		•				
•						
			•			Line Selfer Bay 200 c
	-		CERTIFICATE C	F COMPLIA	NCE	
	144		in the name of are a		rani	acamont
c	conforms to the rules	e statements made of the ASME Code		where and this	repli repair o	r replacement
ן ו	Type Code Symbol S	tamp	Per NPDAP 8	3.5 ASME XI R	epair/Replacement Po	rogram
(Certificate of Authoriz	zation No.	N/A	Ехрі	ration Date	N/A
5	Signed Sayl	6 Mary or own	LLAD NUCLA ner's Designee, Title	A ENGINE	2 Date 10 - 10	0-0/
		APD-	ISIOATE OF DIE	SERVICE INC	DESTION	
		CERT	IFICATE OF INS	DEHVICE INS	PECTION	
- - (and the State or Prov JOHNS 7 Owner's Report durin	ince of <u>Puncs</u> . ON R.T. In the period edge and belief, the	SIIIA and Owner has perfor	employed by to med examinati	FACIOXY Mo ave inspected the co 12/19/0 ons and taken correc	sure Vessel Inspectors TUNE TO SERVICE OF mponents described in the measures described in the tive measures described in
t	he examinations and	l corrective measur ble in any manner fo	es described in thi	s Owner's Rep	ort. Furthermore, nei	ed or implied, concerning ther the Inspector nor his any kind arising from or
· -	Robert	Clove Signature	Com	nissions <u>VB</u> Nat	7509(NJ) ional Board, State, Provinc	PA 2162 e, and Endorsements
	Date 1/2//	1/01				

APPENDIX II - MANDATORY

1.	Owner First Energy Nuclear Operating Company Name			pany Da	Date 10/17/01					
	76 South Main Street - Akron, OH 44308-1890 Address			890 St	eet	1	ofe .	1		
2.	Plant Beaver Valley Power Station Name		Ur	nit	-	1				
	Shippingport, PA 15077 Address				Westinghouse P.O. 7024829 Reactor Organization P.O. No., Job No., etc.					
										
3. '	Work Performed byBVPS/Life Cycle Management.			nent. Ty	pe Code Symbo	l Stamp	Not Appl	icable		
	Name			Αι	thorization No.	·	N/A			
	•	Shippingport,	PA 15077	Ex	piration Date	1 1, 21	N/A			
		Addre		· 						
4.	Identification	on of System _		<u>-</u>	Reactor Coolan	t (Q1)	•.			
5.(a)	Applicable	Construction Co	de Section III	19 <u>65</u> E	dition, W'66	Adde	nda, <u>1429</u>	Code Case		
(b)	Applicable	Edition of Section	n XI Utilized for Re	pairs or Repl	acement 19	1989 Ed	lition_			
6. ·	Identificați	on of Component	s Repaired or Repl	aced and Re	placement Com	ponents				
	lame of	Name of	Manufacturer	National	Other	Year	Repaired,	ASME		
Co	mponent	Manufacturer	Serial No.	Board No.	Identification	Built	Replaced, or Replacement	Code		
İ				NO.			періасеніен	Stamped (Yes or		
ļ	_							No)		
Ex	Heat changer	Westinghous	DLGT-1301	68-45	RC-E-1A	1971	Repaired & Replaced	Yes		
				. 13.				in the second		
7.	Description	n of Work Insta	lled 140 new tube p	olugs (70 tub	es). Replaced 1	46 Incon	el 600 rolled tube	plugs		
	•	(73 h	ot leg; 73 cold leg)	with Inconel	690 mechanical	tube plu	ıgs.			
		Insta	lled new gaskets or	n the primary	& secondary m	anways.	Installed new gas	kets on		
		seco	ndary side handhol	es. Performe	d chemical clea	ning of th	ne secondary side	followed		
			udge lancing.				-	-		
8.	B. Tests Conducted: Hydrostatic Pneumatic Pneumati			eumatic 🛘	Nominal Op	erating F	Pressure 🖪	Exempt		
	Other Pressure				_psi Te	st Temp.	·	°F		
TON	(1) size (2) infor	mental sheets in is 8-1/2 in. X 11 mation in items 1	form of lists, sketch	es, or drawing	ided on each sh	eet, and		•		
•	This Form (E00030) may be obtained from the ASME Order Dept. 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300									

1992 SECTION XI - DIVISION 1

9. Remarks	ASME repair work orders: Tube plugging - W.O, 00-030141-000.							
•	Applicable Manufacturer's Data Reports to be attached							
	PA 434597							
	· ·							
•								
	CERTIFICATE OF COMPLIANCE	,						
	nat the statements made in the report are correct and this <u>repair/replacement</u> conforms to the rules repair or replacement	\$						
Type Code S	Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"							
Certificate of	f Authorization No. N/A Expiration Date N/A	-						
Signed A	Les Muert Lead Nuc Adv. Date October 25 . 2001 Owner or Owner's Designee, Title	:						
92_	Owner or Owner's Designee, Title							
	CERTIFICATE OF INSERVICE INSPECTION							
I, the undersi State or Provi	igned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the ince of Pennsylvania and employed by Factory Mutual Insurance Company	of ·						
State of Piovi	Johnston, Rhode Island have inspected/the components describe	ed						
in this Owner's	is Report during the period $1/8/01$ to $1/31/01$, and state to my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the corrective measures described in the corrective measures.							
Owner's Repo	ort in accordance with the requirements of the ASME Code, Section XI.							
By signing	g this certificate neither the inspector nor his Employer makes any warranty, expressed or implied, concerning and corrective measures described in this Owner's Report: Furthermore, neither the inspector nor his employer st	the hall						
be liable in a	my manner for any personal injury or property damage or a loss of any kind arising from or connected with t	his						
inspection.								
Robe	it Cemorh commissions NB 7509 (NI) PA 2162							
	Inspector's Signature National Board, State, Province, and Endorsemen	nts						
Date	oct 31, 2001							

APPENDIX II - MANDATORY

	1.					pany Da	te		10/17/01	
		• .	•	Na	me					
.:		76 So	uth Main St	reet – Akro Address	on, OH 44308-18	390 Sh	eet	1	ok,	1
	_		_				••			
	2.	Plant	Beav	<u>er Valley I</u> Nan	Power Station	Un	it		1	
			Shinni	ngport, PA		•	, Wes	tinahous	e P.O. 7024829	•
	-		Ottippi	Address					P.O. No., Job N	lo., etc.
~ <i>!"</i>	3.	Work Pe	rformed by	BVPS/L	ife Cycle Managen	nent. Ty	pe Code Symbo	ol Stamp	Not App	licable
	٠		•		Name		thorization No.	•		
			Shinni	ngport, PA	15077		piration Date	•	N/A	
•			Simppi	Address			priation bate :		IVA -	<u> </u>
					<u>-</u>					
	4.		tion of Syst				Reactor Coolan		•	<u>;`</u>
	5.(a)	Applicab	le Construc	tion Code	Section III	19 <u>65</u> E	dition, W'66	Adde	nda, <u>1429</u>	_Code Case
	(b)	Applicab	le Edition of	Section >	(I Utilized for Re	pairs or Repl	acement 19	1989 Ed	ition	
	6.	Identifica	tion of Com	ponents F	Repaired or Repl	aced and Re	placement Com	ponents		•
	N	lame of	Nan	ne of	Manufacturer	National	Other	Year	Repaired,	ASME
	Co	mponent		acturer	Serial No.	Board	Identification	Built	Replaced, or	Code
						No.	٠.		Replacement	Stamped (Yes or
		•								No)
•		Heat	Westin	ghouse	DLGT-1302	68-46	RC-E-1B	1971	Repaired &	Yes
		changer							Replaced	
						14.7				
•										
ist.										
À.	 7.		on of Work	Installe	t 80 new tube ni	uas (40 tubes	s) Replaced 90	Inconel (600 rolled tube pl	lucis
		Doscripti	on or work						gs. Installed 9 st	
	•									
									Installed new ga	skets on
•					ary side handhol				* *	····································
		•		Perform	ed chemical clea	aning of the s	secondary side t	followed I	by sludge lancing	}·
	8.	Tests Co	nducted:	Hydrosta	tic 🛭 Pne	eumatic 🛘	Nominal Op	erating F	Pressure 🗷	Exempt D
		,		Other 🗆	Pressure		_psi Te	st Temp		°F
	ПОИ	(1) siz	e is 8-1/2 in	n. X 11 in.,	m of lists, sketch , ,rough 6 on this !				ed .	
					and the number				is form.	
		This For	m (E00030) r	nav be obta	ained from the ASM	ME Order Dept	. 22 Law Drive. Be	ox 2300. F	airfield, NJ 07007-	2300

1992 SECTION XI - DIVISION 1

Applicable Manufacturer's Data Reports to be attached PA 434598 CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair/replacement conforms to the rules of the ASME Code, Section XI. Typic Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program" Certificate of Authorization No. N/A Expiration Date N/A Signed House Downer's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 1/2/4/4 to 1/2/31/4 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during this certificate neither the Inspector or his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report during this certificate neither the Inspector or his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report current was reported to the Inspector or No. 1 PA 2 162 Inspector's Signature Commissions NB 7509 (NJ) PA 2 162 National Board, State, Province, and Endorsements	Remarks	ASME repair work orde	rs: Tube plugging - W.O.	00-030144-000.	<u> </u>
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair/replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp			Applicable Manufacture	rs Data Reports to be attac	chea
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp		PA 434598			
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp		_	• •		4
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp		· ·		,	· · · · · · · · · · · · · · · · · · ·
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp					
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp	•	,			•
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp		·			
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp			•	•	
We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp			e de la companya de l		
Type Code Symbol Stamp			CERTIFICATE OF CO	MPLIANCE	
Type Code Symbol Stamp			n the report are correct an		conforms to the rules
Certificate of Authorization No. N/A Expiration Date N/A Signed How Heart Lead Luc. Adv. Date October 25, 2001 CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have Inspected the components described in this Owner's Report during the period of Nover of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 WB 7509 (WT) PA 2162	of the ASME	Code, Section XI.	• • •	repair or replacement	
Certificate of Authorization No. N/A Expiration Date N/A Signed How Heart Lead Luc. Adv. Date October 25, 2001 CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have Inspected the components described in this Owner's Report during the period of Nover of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 WB 7509 (WT) PA 2162	•		•	.	
Signed How Miner Lead Nuc. Adv. Date October 25 , 2001 CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the componients described in this Owner's Report during the period / / / / / / / / / / / / / / / / / / /	Type Code S	ymbol Stamp	per NPDAP 8.5 "ASME	Section XI Repair/Replacement	ent Program"
Signed How Miner Lead Noc. Adv. Date October 25 , 2001 CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have Inspected the components described in this Owner's Report during the period / 8/8/1 to / 0/3/1/0 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 WB 7509 (WT) PA 2162		•			
Signed How Miner Lead Nuc. Adv. Date October 25 , 2001 CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the componients described in this Owner's Report during the period 18/81 to 10/31/01 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions WB 7509 (WT) PA 2162	Certificate of	Authorization No.	N/A	Expiration Date	N/A
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CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period Insurance Company of Average in this Owner's Report during the period Insurance Company of Average in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 WB 7509 (WT) PA 2162	Signed 74	M WILLIAM TO	sac NOE. MEV.	Date October 25	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period In the Downer has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. **Report Commissions** **Report Inspector** *	• •	Owner or Owner's L	Jesignee, Tittle		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period to 18/8/10/10/10/10/10/10/10/10/10/10/10/10/10/	······································				
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period to 18/8/10/10/10/10/10/10/10/10/10/10/10/10/10/					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period to find the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 WB 7509 (WT) PA 2162		·CI	ERTIFICATE OF INSERV	ICE INSPECTION	•
State or Province of Pennsylvania and employed by Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period formed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 NB7509 (NT) PA2162	1 the undereli	:			ol languators and the
Johnston, Rhode Island In this Owner's Report during the period In this Owner's Report during the period In the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions WB 7509 (NT) PA 2162	State or Provin				
in this Owner's Report during the period to 0/3/0, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509 (NT) PA 2162					
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By signing this certificate neither the inspector nor his Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 NB7509 (NI) PA2162	to the best of	my knowledge and belief, th	e Owner has performed exa	minations and taken corrective n	neasures described in this
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. **Report Common Description** **Commissions** **Report.** **Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. **Report.**	Owner's Report	t in accordance with the requ	uirements of the ASME Code	, Section XI.	i
be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Robert Comor D Commissions NB 7509 (NT) PA 2162	eyaminations:	il en il enuise maziliate des	rispector nor his Employer in cribed in this Owner's Benor	t Furthermore neither the Inches	or implied, concerning the
Robert Comor D commissions NB 7509 (NI) PA 2162	be liable in ar	y manner for any personal	iniury or property damage	or a loss of any kind arising fro	m or connected with this
Robert Commissions NB 7509 (NT) PA 2162 Inspector's Signature National Board, State, Province, and Endorsements	inspection.			on a coop or any time among the	
Robert Commissions NB 7509 (NT) PA 2162 Inspector's Signature National Board, State, Province, and Endorsements					•
Robert Comords Commissions NB 7509 (NT) PA 2162 Inspector's Signature National Board, State, Province, and Endorsements	_ ^		Λ		4.0
Inspector's Signature Commissions //B /3 09 (// 1) PH 2161 National Board, State, Province, and Endorsements		1	<i>t</i> /s	110-1-00 (11	-1 242112
Inspector's Signature National Board, State, Province, and Endorsements	(100	er como	Commissions	NB 1309 (N.	LIPHZIOL
		Inspector's Signature		National Board, State, Provin	ce, and Endorsements
			• .	•	
		$(x,y) \in \mathcal{F}_{p}(X)$			
Date Oct 31, 2001	•				
Date	Data	9 of 31.	3 101		•

APPENDIX II - MANDATORY

1.	Owner First Energy Nuclear Operating Company					Da	ate		10/17/01	
				me					d	,
	76 Sout	h Main S	reet – Akr Address	on, OH 44308-18	390	Sh	neet	1	of ` <u>*. </u>	
2.	Plant	Beav		Power Station		Ur	nit		1'	• .
			Nai							,
		Shipp	ingport, P/						e P.O. 7024829	
_			Address	•	_		_		P.O. No., Job N	•
3.	Work Perf	ormed by	BVPS/L	ife Cycle Managen Name	nent.	-	pe Code Symbo	•		cable
• .			A.			. 1	thorization No.	*		
		Shipp	ingport, P/ Address	A 15077		Ex	piration Date	•	N/A	
•			_		•					
4.	Identification	on of Sys	tem ·				Reactor Coolant	(Q1)	· · · · · · · · · · · · · · · · · · ·	
5.(a)	Applicable	Construc	tion Code	Section III	19_65	_E	dition, <u>W'66</u>	Adde	nda, <u>1429</u>	Code Case
(b)	Applicable	Edition o	f Section >	KI Utilized for Rep	oairs or R	epl	acement 19	1989 Ed	ition	*, * ¹
6.	Identification	on of Con	nponents f	Repaired or Repla	aced and	Re	placement Com	ponents	e Spirit in the spirit	
	ame of		ne of	Manufacturer	Nationa		Other	Year	Repaired,	ASME
1 6	mponent	Manui	acturer	Serial No.	Board No.		Identification	Built	Replaced, or Replacement	Code Stamped
		}	,						•	(Yes or
	Heat	Mostin	ghouse	DLGT-1303	68-47	,	DC F 40	4074	Density	No)
	changer	wesuii	gnouse	DLG1-1303	00-47		RC-E-1C	1971	Repaired	Yes
		:		-		٠		•		
	: · · · · ·					•				in the second
7.	Description	of Work	Installed	d 120 new tube p	lugs (60 t	ube	es). Installed 12	stabilize	rs. Removed 1 tu	be for
									where tube was	
•									Installed new gas	
					alled new gasket on 2.0° access port.					
	Performed chemical cleaning of the secondary side followed by sludge lancing.									
8.	Tests Cond	ducted:	Hydrosta		umatic [Nominal Op			Exempt
			Other []	•	aa	•		st Temp.	-	F
			•	********			-			•
NOT			eets in for 1. X 11 in.,	m of lists, sketch	es, or dra	win	ngs may be used	l, pr <u>o</u> vide	ed	
	(2) infor	mation in	items 1 th	rough 6 on this re	eport is in	clu	ded on each she	et, and		
	(3) each	sneet is	numbered	and the number	of sheets	Sis	recorded at the	top of thi	s form.	
	This Form (E00030) may be obtained from the ASME Order Dept. 22 Law Drive. Box 2300, Fairfield, NJ 07007-2300									

1992 SECTION XI - DIVISION 1

9.	Remarks	ASME repair work or	ders: Tube plugging – W.O.	00-030145-000.					
	-	Applicable Manufacturer's Data Reports to be attached							
		PA 434599							
				•	11				
•									
		•			· · · · · · · · · · · · · · · · · · ·				
					• •				
			CERTIFICATE OF CO	MPLIANCE					
		at the statements made Code, Section XI.	in the report are correct and	this repair/replacement correpair or replacement					
	Type Code S	Symbol Stamp	per NPDAP 8.5 "ASME	Section XI Repair/Replacement	Program*				
	Certificate of	Authorization No.	N/A	Expiration Date	N/A				
	0								
	Signed X	ay Alberty.	Lead Noc. Adv	Date October 25					
	•	www.or Owners	s Designee, Title		• , . •				
	· · · · · · · · · · · · · · · · · · ·								
			CERTIFICATE OF INSERVI	CE INSPECTION					
	I, the undersi	gned, holding a valid com	mission issued by the National E	loard of Boiler and Pressure Vessel	Inspectors and the				
	State or Provin	nce of Pennsylv	ania and employed by	Factory Mutual Insurance	Company of components described				
	in this Owner's	Jonnstor Report during the period	i, Rhode Island,		omponents described, and state that				
	to the best of	my knowledge and belief.	the Owner has performed exa	minations and taken corrective mea	sures described in this				
	Owner's Repo	rt in accordance with the r	equirements of the ASME Code	, Section XI. nakes any warranty, expressed or i	molied, concerning the				
	examinations	and corrective measures of	lescribed in this Owner's Report	 Furthermore, neither the Inspecto 	r nor his employer shall				
	be liable in a inspection.	ny manner for any perso	nal injury or property damage	or a loss of any kind arising from	or connected with this				
	A 4.5		A.						
	Rot	Vert Cem	commissions		PA2162				
		Inspector's Signature	Market Control of the	National Board, State, Province	, and Endorsements				
		en e		•					
	Date	ct 31,	2001						
i		•	·						

Form No.	1480
TOHII INC.	1400

. Owner	F.E.N.O.C.			Date		12-18-01	
76 Sout	th Main Street - Al	kron, OH 44	308	Sheet _	1	of	1
Plant	Beaver Valley	Power Stati	on	Unit No.		1	
Shippingport, PA 15077 (ADDRESS)				REPA	01 IR ORGANIZ	-001810-000 PATION P.O. NO., JOBNO.	, ETC.
Work Pe	erformed By Nuc	lear Constru (NAME)	ction	Type Code	Symbol	Stamp Not A	Applicable
	Shippingport, (ADDRESS)	PA 15077		Authorization	on No	N/A	· .
			••	- Expiration I	_		<u></u>
	ation of System						•
(a) Application (b) Application	able Construction Code able Edition of Section	e <u>AN</u> XI Utilized for:	SI B31.1 19 <u>6</u> Repairs or Repl	7 Edition, <u>S71</u> Adde acements <u>1989E</u>	nda, <u>N/</u>	A Code Cas	e
Identifica	ation of Componer	nts Repaired	or Replaced	l and Replaceme	ents Con	nponents	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	· Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	2769	N/A	RC-PSSP-20		Replaced	No
Snubber	Pacific Scientific	5053	N/A	RC-PSSP-20		Replacement	No
Snubber	Pacific Scientific	3686	N/A	RC-PSSP-129		Replaced	No
Snubber	Pacific Scientific	3699	N/A	RC-PSSP-129		Replacement	No
	.41						
			-				
,				·		_	
Descripti	ion of Work Re	placed snut	ber with spa	re for testing/refu	urbishme	ent purposes.	1

	ere replaced with a used spare rotated i	
are available. The shubi	pers were purchased non-NF componer	nis (non-code).
	ture and the second	
	·	
	CERTIFICATE OF COMPLIANCE	
We certify that the statements o the rules of the ASME Code Se	made in the report are correct and this	Replacement conforms Repair Or Replacement
Type Code Symbol Stampp	er NPDAP 8.5 *ASME Section XI Repair/F	Replacement Program*
Certificate of Authorization No.	N/A Expiration Date	N/A
Signed K.B. Bassis, Owner or Owner	CERTIFICATE OF INSERVICE INSPECTI	
and the State or Province of Polynomer's Report during the period best of my knowledge and belief, the	ommission issued by the National Board of Boile ensylvania and employed by <u>Factory Minary Inspected the components of the Owner has performed examinations and taken the requirements of the ASME Code, Section XI</u>	described in the 2//9/0/, and state that to the corrective measures described in this
examinations and corrective measu	e inspector nor his employer makes any warranty tres described in this Owner's Report. Furthermore the personal injury or property damage or a loss of Commissions AB	ore, neither the inspector nor his employer

Form No.	1481
	1701

	r <u>F.E.N.O.</u> (NAME)			Date		12-18-01	
<u>76 S</u>	outh Main Street -		1 44308	Sheet	1	of2	<u> </u>
. Plant	Beaver Val	lley Power	Station	Unit No		1	•
	Shippingpo		7	FICTOALS.	01-0	001811-000	
Work	Performed By	•	nstruction	Type Code S		TON P.O. NO., JOB NO., I	eic.
	Chinainana	(NAME					
	Shippingpo (ADDRES			Authorization	-		
Identii	ication of System	Read	tor Coolant	Expiration D (Non Q, but within first a		<u> </u>	
				Replacements 1989E aced and Replacemen	ts Comp	onents	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stampe (YES NO)
nubber	Pacific Scientific	3699	N/A	RC-PSSP-24A		Replaced	
	Pacific Scientific Pacific Scientific	3699 8090	N/A N/A	RC-PSSP-24A RC-PSSP-24A		Replaced Replacement	No
Snubber					+		No No
Snubber	Pacific Scientific	8090	N/A	RC-PSSP-24A	+	Replacement	No No
nubber nubber	Pacific Scientific Pacific Scientific Pacific Scientific	8090 3691	N/A N/A	RC-PSSP-24A RC-PSSP-24B	+	Replacement Replaced	No No No
Snubber Snubber Snubber	Pacific Scientific Pacific Scientific Pacific Scientific	8090 3691 10962	N/A N/A N/A	RC-PSSP-24A RC-PSSP-24B RC-PSSP-24B		Replacement Replaced Replacement	No No No
Snubber Snubber Snubber Snubber Snubber	Pacific Scientific Pacific Scientific Pacific Scientific Pacific Scientific	8090 3691 10962 3690	N/A N/A N/A N/A	RC-PSSP-24A RC-PSSP-24B RC-PSSP-24B RC-PSSP-25A		Replacement Replaced Replacement Replaced	No No No No No No
Snubber Snubber Snubber Snubber	Pacific Scientific Pacific Scientific Pacific Scientific Pacific Scientific Pacific Scientific Pacific Scientific	8090 3691 10962 3690 17193	N/A N/A N/A N/A	RC-PSSP-24A RC-PSSP-24B RC-PSSP-24B RC-PSSP-25A RC-PSSP-25A		Replacement Replacement Replaced Replaced Replaced	No No No No

. Remarks The snubbers were replaced with a used spare rotated f	rom stock. No Code Data Reports
are available. The snubbers were purchased non-NF componer	its (non-code).
CERTIFICATE OF COMPLIANCE	
	•
We certify that the statements made in the report are correct and this the rules of the ASME Code Section XI.	Replacement conforms Repair Or Replacement
	toolacoment Program*
ype Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/F	ichiacement i rodiam
Certificate of Authorization No. <u>N/A</u> Expiration Date	N/A
igned Robet Brode, Skub. Program Chomen Date Designee, Title	
I, the undersigned, holding a valid commission issued by the National Board of Boile and the State or Province of Pennsylvania and employed by Factory Mu	r and Pressure Vessel Inspectors
Johnston, R.I. Owner's Report during the period Johnston, R.I. Nave inspected the components of the	escribed in the
best of my knowledge and belief, the Owner has performed examinations and taken Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the inspector nor his employer makes any warranty examinations and corrective measures described in this Owner's Report. Furthermoshall be liable in any manner for any personal injury or property damage or a loss of this inspection.	re, neither the inspector nor his employer
Robert Cimoch commissions NB	7509(NJ) PA2162
Date Dec 19, 2001	

Form No	. 1481

1.	Owner F.E.N.O.C.	Date	12-14-01
	76 South Main Street - Akron, OH 44308 (ADDRESS)	Sheet 2	of2
2.	Plant Beaver Valley Power Station	Unit No.	1 .
	Shippingport, PA 15077 (ADDRESS)		01811-000 ON P.O. NO., JOB NO., ETC.
3.	Work Performed By Nuclear Construction	Type Code Symbol St	tamp <u>Not Applicable</u>
	Shippingport, PA 15077	Authorization No.	N/A
	(ADDRESS)	Expiration Date	#
4.	Identification of System Reactor Coolant (Q1)		<u></u>
	(a) Applicable Construction Code ANSI B31.1 1967 Edi (b) Applicable Edition of Section XI Utilized for Repairs or Replacem	ition, <u>S71</u> Addenda, <u>N/A</u> nents <u>1989E</u>	Code Case
6.	Identification of Components Repaired or Replaced and	d Replacements Comp	onents

Name of Comptaint	Name of Manufacturer	Manufacturer Serial No.	National Borrd Nc.	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	VB-7228B	N/A: ·	RC-HSS-41A	-	Replaced	No
Snubber	Grinnell	12747	N/A	RC-HSS-41A	_	Replacement	No
Snubber	Pacific Scientific	9361	N/A	RC-HSS-42A-B	_	Replaced	No
Snubber	Pacific Scientific	25511	N/A	RC-HSS-42A-B		Replacement	No
Snubber	Pacific Scientific	6268	N/A	RC-PSSP-301		Replaced	No
Snubber	Pacific Scientific	18482	N/A	RC-PSSP-301		Replacement	No

Probert Cimoch 12/19/01

Coims Ma	1400
Form No	. 1482

Main Street - Al	kron, OH 44		• •			
(ADDRESS)		308	Sheet _	1	of	1
Beaver Valley	Power Static	on .	Unit No.		1	
Shippingport, I	PA 15077			01	I-001812-000	
	lear Constru	ction				N
Shippinaport.					.te=	
(ADDRESS)			•	-		,
tion of System	Reactor (Coolant (Q1)				
ble Construction Cod	ANS	SI B31.1 196	7 Edition, <u>S71</u> Adde	nda, <u>N</u>	/ACode Cas	ë
				— ents Cor	nponents	
······	* **********			<u> </u>		ASME
Name of Manufacturer	Manufacturer Serial No.	National Board . No.	Other Identification	Year Buik	Replaced, Or Replacement	Code Stamped (YES or NO)
Bergen-Paterson	68284-04	N/A	RC-HC-11A		Replaced	No
Bergen-Paterson	68284-02	N/A	RC-HC-11A		Replacement	No
						<u> -</u>
						-
			•		_	
m of Mode Do		L				
on or work <u>rie</u>	piaceu snub	oer with spa	re for testing/refi	uroisnm	ent purposes.	
	(ADDRESS) formed By Nuc Shippingport, (ADDRESS) ion of System ble Construction Code ble Edition of Section ion of Componer Name of Minufacturer Bergen-Paterson Bergen-Paterson	formed By Nuclear Construction Shippingport, PA 15077 (ADDRESS) ion of System Reactor (Code ANSI) Die Edition of Section XI Utilized for Filian of Components Repaired Name of Manufacturer Serial No. Bergen-Paterson 68284-04 Bergen-Paterson 68284-02	formed By Nuclear Construction (NAME) Shippingport, PA 15077 (ADDRESS) ion of System Reactor Coolant (Q1) ble Construction Code ANSI B31.1 196 ble Edition of Section XI Utilized for Repairs or Replication of Components Repaired or Replaced Name of Manufacturer Serial No. National Board No. Bergen-Paterson 68284-04 N/A Bergen-Paterson 68284-02 N/A	formed By Nuclear Construction (NAME) Shippingport, PA 15077 (ADDRESS) Expiration ion of System Reactor Coolant (Q1) ble Construction Code ANSI B31.1 1967 Edition, 371 Adde ble Edition of Section XI Utilized for Repairs or Replacements 1989E ion of Components Repaired or Replaced and Replacement Name of Manufacturer Serial No. National Board No. Bergen-Paterson 68284-04 NVA RC-HC-11A Bergen-Paterson 68284-02 NVA RC-HC-11A	formed By Nuclear Construction (NAME) Shippingport, PA 15077 (ADDRESS) Shippingport, PA 15077 (ADDRESS) Expiration No. Expiration Date ion of System Reactor Coolant (Q1) ble Construction Code ANSI B31.1 1967 Edition, S71 Addenda, No. ble Edition of Section XI Utilized for Repairs or Replacements 1989E ion of Components Repaired or Replaced and Replacements Core Name of Manufacturer Serial No. No. No. No. No.	formed By Nuclear Construction Type Code Symbol Stamp Not (NAME) Shippingport, PA 15077 Authorization No. N/A (ADDRESS) Expiration Date Reactor Coolant (Q1) She Construction Code ANSI B31.1 1967 Edition, S71 Addenda, N/A Code Casole Edition of Section XI Utilized for Repairs or Replacements 1989E tion of Components Repaired or Replaced and Replacements Components Name of Manufacturer Serial No. National Board No. Replacement Bergen-Paterson 68284-04 N/A RC-HC-11A Replaced Bergen-Paterson 68284-02 N/A RC-HC-11A Replacement

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this	are available, Ti	he snubber was purchased non-NF compo	onents (non-code).
We certify that the statements made in the report are correct and this Replacement conformation the rules of the ASME Code Section XI. Replacement Repl			
We certify that the statements made in the report are correct and this Replacement conformation the rules of the ASME Code Section XI. Replacement Repl			
We certify that the statements made in the report are correct and this Replacement conform the rules of the ASME Code Section XI. Repair Or Replacement Program* Certificate of Authorization No. N/A Expiration Date N/A Signed Replacement Program* Certificate of Authorization No. N/A Expiration Date N/A Signed Replacement Program* Certificate of Authorization No. N/A Expiration Date N/A Certificate of Authorization N/A Certificate of Authorization N/A Certificate of Authorization N/A Certificate of Authorization N/A Certificate of Authorization N/A Certificate of Authorization N/A Certificate of Authorization N/A Certificate of Authorization N/A Certificate of Authorization N/A Certificate of Authorization N/A Certificate of Authorization N/A C	•		
Type Code Symbol Stamp		CERTIFICATE OF COMPLIA	ANCE
Certificate of Authorization No. N/A Expiration Date N/A Signed	o the rules of the ASME	Code Section XI.	Repair Or Replacement
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Dest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code; Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB 7504 (WJ) PAD 16.	ype Code Symbol Stan	per NPDAP 8.5 "ASME Section XI Re	epair/Replacement Program*
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Dest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code; Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB7504(WJ)PAD163			
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of poiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/26/01 to /2/19/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions **Commissions** **Comm	ertificate of Authorization	on No. N/A Expiration Date	N/A
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/26/0/1 to /2/19/0/1, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB 7504(WI)PA2162		CERTIFICATE OF INSERVICE INS	PECTION
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/26/0/1 to /2/19/0/1, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB 7504(WI)PA2162	:	CERTIFICATE OF INSERVICE INS	SPECTION
Owner's Report during the period 3/26/6/ to /2/19/6/, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employe shall be 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 WB 7509 (W,T) PAD 16:2	I. the undersigned, holdin		
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code; Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employe shall be 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 WB 7509 (WJ) PA2162		g a valid commission issued by the National Board o	of poiler and Pressure Vessel Inspectors
Owner's Report in accordance with the requirements of the ASME Code; Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employe shall be 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 WB 7509 (WJ) PAD 163	and the State or Province Johnston, F	g a valid commission issued by the National Board of Pennsylvania and employed by Fac	of coller and Pressure Vessel Inspectors story Mutual Insurance Co. of of the collection of the collec
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 **Commissions** **Commissi	and the State or Province Johnston, F Owner's Report during the	g a valid commission issued by the National Board of Pennsylvania and employed by Fac 1.1. have inspected the compose period 3/26/0/ to	of poiler and Pressure Vessel Inspectors story Mutual Insurance Co. of the control of the contro
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employe shall be 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 WB 7509 (WJ) PA2163	and the State or Province Johnston, F Owner's Report during the best of my knowledge and	g a valid commission issued by the National Board of Pennsylvania and employed by Fac 1. have inspected the compone period 2.26.01 to d belief, the Owner has performed examinations and	of poiler and Pressure Vessel Inspectors etory Mutual Insurance Co. of nents described in the 1 taken corrective measures described in this
shall be 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 WB7509(NJ)PA2163	and the State or Province Johnston, F Owner's Report during the best of my knowledge and	g a valid commission issued by the National Board of Pennsylvania and employed by Fac 1. have inspected the compone period 2.26.01 to d belief, the Owner has performed examinations and	of poiler and Pressure Vessel Inspectors etory Mutual Insurance Co. of of one of the content of
Bobert Cimoeh Commissions NB 7509 (N,I) PA2162	and the State or Province Johnston, F Owner's Report during the best of my knowledge and Owner's Report in accord By signing this certificate	g a valid commission issued by the National Board of Pennsylvania and employed by Fac 1. have inspected the compone period 2.6.01 to d belief, the Owner has performed examinations and lance with the requirements of the ASME Code, Seconeither the inspector nor his employer makes any ways.	of poiler and Pressure Vessel Inspectors story Mutual Insurance Co. of nents described in the 2/19/0/, and state that to the It taken corrective measures described in this stion XI.
Robert Cimach commissions NB 7509 (N,I) PA216:	and the State or Province Johnston, F Owner's Report during the best of my knowledge and Owner's Report in accord By signing this certificate examinations and correct	g a valid commission issued by the National Board of Pennsylvania and employed by Factories period 3/26/01 to delief, the Owner has performed examinations and lance with the requirements of the ASME Code, Section in the inspector nor his employer makes any wive measures described in this Owner's Report. Fur	of poller and Pressure Vessel Inspectors story Mutual Insurance Co. of nents described in the
	and the State or Province Johnston, F Owner's Report during the best of my knowledge and Owner's Report in accord By signing this certificate examinations and correct shall be liable in any man	g a valid commission issued by the National Board of Pennsylvania and employed by Fac 1. have inspected the compone 1 2 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	of poller and Pressure Vessel Inspectors story Mutual Insurance Co. of nents described in the /2/9/0/, and state that to the I taken corrective measures described in this stion XI. varranty, expressed or implied, concerning the orthermore, neither the inspector nor his employer
· · · · · · · · · · · · · · · · · · ·	and the State or Province Johnston, F Owner's Report during the best of my knowledge and Owner's Report in accord By signing this certificate examinations and correct shall be liable in any man	g a valid commission issued by the National Board of Pennsylvania and employed by Fac 1. have inspected the compone 1 2 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	of poller and Pressure Vessel Inspectors story Mutual Insurance Co. of nents described in the /2/9/0/, and state that to the I taken corrective measures described in this stion XI. varranty, expressed or implied, concerning the orthermore, neither the inspector nor his employer
Date Dec 19, 2001	and the State or Province Johnston, F Owner's Report during the best of my knowledge and Owner's Report in accord By signing this certificate examinations and correct shall be liable in any man this inspection.	g a valid commission issued by the National Board of	of polier and Pressure Vessel Inspectors story Mutual Insurance Co. of nents described in the \(\frac{2}{9} \) of, and state that to the I taken corrective measures described in this stion XI. Formatly, expressed or implied, concerning the other or the inspector nor his employer loss of any kind arising from or connected with

Form No.	1483
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. Owner	F.E.N.O.(D		_ Date		12-14-01	
76 So	uth Main Street -		H 44308	_ Sheet _	1	of	1
. Plant	Beaver Val	ley Power	Station	Unit No.	·.	1	•
	Shippingpo (ADDRES		77	RED	O.	1-001813-000 IZATION P.O. NO., JOB NO.,	ETC
. Work f	Performed By <u>N</u>	1.5				Stamp Not A	
	Shippingpo		77	Authorizati	on No.	N/A	1 **
	(ADORES	s)		Expiration	Date	a .	
. Identifi	cation of System	Stea	am Generat	or Blowdown (Q2)			
(b) Appl	icable Edition of Sec	tion XI Utilize	ed for Repairs	1967 Edition, <u>S71</u> Adde or Replacements <u>1989E</u> placed and Replaceme	_		3
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	20930	N/A	WGCB-PSSP-46E		Replaced	No
Snubber	Pacific Scientific	25269	N/A	WGCB-PSSP-46E		Replacement	No
Snubber	Pacific Scientific	20540	N/A	WGCB-PSSP-46F		Replaced	No
Snubber	Pacific Scientific	25268	N/A	WGCB-PSSP-46F		Replacement	No
	5	:	-			. 44	
		:					
		• :					
	ntion of Work	Replaced	snubber w	th spare for testing/ref	urbishm	ent purposes.	
. Descri _l							

are available. The s	snubbers were purchased non-NF componen	its (non-code).
. <u> </u>	en en en en en en en en en en en en en e	
`		
	CERTIFICATE OF COMPLIANCE	12
the rules of the ASME Coo		Repair Or Replacement
ype Code Symbol Stamp _	per NPDAP 8.5 "ASME Section XI Repair/R	eplacement Program"
ertificate of Authorization N	lo. <u>N/A</u> Expiration Date	N/A
	CERTIFICATE OF INSERVICE INSPECTIO	ON .
-	CERTIFICATE OF INSERVICE INSPECTION valid commission issued by the National Board of Boiler Pennsylvania and employed by Factory Mut	and Pressure Vessel Inspectors
	valid commission issued by the National Board of Boiler Pennsylvania and employed by Factory Mul have inspected the components de	and Pressure Vessel Inspectors
and the State or Province of	valid commission issued by the National Board of Boiler Pennsylvania and employed by Factory Mul have inspected the components de	and Pressure Vessel Inspectors tual Insurance Co of escribed in the // 4 / 0, and state that to the
and the State or Province of	valid commission issued by the National Board of Boiler Pennsylvania and employed by Factory Mut have inspected the components de riod 3/26/0/ to /2/ lief, the Owner has performed examinations and taken of	and Pressure Vessel Inspectors tual Insurance Co. of escribed in the // 4/0 , and state that to the corrective measures described in this expressed or implied, concerning the e, neither the inspector nor his employer

Form No.	1484
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1. Owner	F.E.N.O.0	^		Date		12-14-01			
I. OWHER	(NAME)	<u>v. </u>		_ Dale _	*********	12-14-01			
<u>76 So</u>	uth Main Street -	- Akron, O s)	H 44308	_ Sheet _	Sheet 1 of 1				
2. Plant	Beaver Val	ley Power	Station	Unit No.	Unit No1				
1 1813244	Shippingpo (ADDRES		77	RE	O WAR ORGAN	1-001847-000 IZATION P.O. NO., JOB NO.,	ETC.		
3. Work I	Performed By <u>N</u>	Nuclear Co		Type Cod	e Symbo	ol Stamp <u>Not A</u>	pplicable		
	Shippingpo (ADDRES		77	Authorizat			1,73		
				Expiration	Date	"			
4. Identifi	cation of System	Stea	am General	or Blowdown (Q2)		· · · · · · · · · · · · · · · · · · ·	٠.		
(b), Appl	licable Edition of Sec	tion XI Utilize	ed for Repairs	L 19 <u>67</u> Edition, <u>S71</u> Add or Replacements <u>1989E</u> placed and Replacem			8		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)		
Snubber	Pacific Scientific	20928	N/A	WGCB-PSSP-200C		Replaced	No		
Snubber	Pacific Scientific 9360 N/A V		WGCB-PSSP-200C		Replacement	No			
Snubber	Pacific Scientific	14962	N/A W	WGCB-PSSP-200D		Replaced	No		
Snubber	Pacific Scientific	24337	N/A	WGCB-PSSP-200D		Replacement	No		
		.,		· · · · · · · · · · · · · · · · · · ·					
						- <u>.</u>			
7. Descri	ption of Work	Replaced	snubber w	ith spare for testing/re	furbishn	nent purposes.			
8 Tests (Conducted: Hy	rdrostatic [☐ Pne	eumatic Nomin	al Opera	ating Pressure [x [//		

	nents (non-code).
CERTIFICATE OF COMPLIANCE	æ
. *	
We certify that the statements made in the report are correct and this the rules of the ASME Code Section XI.	Replacement conform
ype Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repai	ir/Rentacement Program*
ype code cynnon ciamp <u>per 14 DAF 0.0 ACMIL Georgia Al Tieba</u>	uri opiaounom i rogiam
Certificate of Authorization No. <u>N/A</u> Expiration Date	N/A
CERTIFICATE OF INSERVICE INSPEC	
I, the undersigned, holding a valid commission issued by the National Board of Bo	oiler and Pressure Vessel Inspectors
I, the undersigned, holding a valid commission issued by the National Board of Bo	oiler and Pressure Vessel Inspectors <u>Mutual Insurance Co.</u> of
I, the undersigned, holding a valid commission issued by the National Board of Board the State or Province of Pennsylvania and employed by Factory Johnston, R.I. have inspected the component Owner's Report during the period 3/26/0/ to /2.	biler and Pressure Vessel Inspectors Mutual Insurance Co of the control of
I, the undersigned, holding a valid commission issued by the National Board of Board the State or Province of Pennsylvania and employed by Factory Johnston, R.I. have inspected the component Owner's Report during the period 3/26/0/ to /2 best of my knowledge and belief, the Owner has performed examinations and take	biler and Pressure Vessel Inspectors Mutual Insurance Co. of ts described in the 1/9/0 , and state that to the ten corrective measures described in this
I, the undersigned, holding a valid commission issued by the National Board of Board the State or Province of Pennsylvania and employed by Factory Johnston, R.I. have inspected the component Owner's Report during the period 3/26/0/ to /2.	biler and Pressure Vessel Inspectors Mutual Insurance Co. of ts described in the 1/9/0 , and state that to the ten corrective measures described in this
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I, the undersigned, holding a valid commission issued by the National Board of Board the State or Province of Pennsylvania and employed by Factory Johnston, R.I. have inspected the component Owner's Report during the period 3/26/0/ to /2 best of my knowledge and belief, the Owner has performed examinations and tak Owner's Report in accordance with the requirements of the ASME Code, Section By signing this certificate neither the inspector nor his employer makes any warra examinations and corrective measures described in this Owner's Report. Further shall be liable in any manner for any personal injury or property damage or a loss this inspection.	biler and Pressure Vessel Inspectors Mutual Insurance Co. of ts described in the J970 , and state that to the en corrective measures described in this XI. unty, expressed or implied, concerning the more, neither the inspector nor his employer

Form	No	1485	
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Owner _	F.E.N.O.C. (NAME)			Date		12-18-01	
76 South	Main Street - Al	cron, OH 443	808	Sheet	1	of	1
Plant	Beaver Valley	Power Statio	n	Unit No.		1	
	Shippingport, I	PA 15077		000		-001848-000 ATION P.O. NO., JOB NO.,	ETC
Work Perf	(ADDRESS) ormed By <u>Nuc</u>	lear Constru	ction	. : X	·	Stamp Not A	
		(NAME)					
	Shippingport, (ADDRESS)	PA 15077		Authorization		N/A	· ·
				Expiration I	Date _		, , , , , , , , , , , , , , , , , , ,
	on of System		ent Cooling V	•			
	le Construction Cod le Edition of Section					A Code Cas	9 . '
: Identificati	on of Componer	nts Repaired	or Replaced	and Replaceme	ents Com	ponents	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	8423	N/A	CC-HSS-403		Replaced	No
Snubber	Grinnell	8426	N/A	CC-HSS-403		Replacement	No
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		oner en en en en en en en en en en en en en					
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							<u> </u>
Description	n of Work <u>Re</u>	enlaced snub	ber with spa	re for testina/ref	urbishm	ent purposes.	
j,							

per Code Symbol Stamp	are available. The snubber	was purchased non-NF components	s (non-code).
We certify that the statements made in the report are correct and this Replacement conformation rules of the ASME Code Section XI. Repair Or Replacement Program* Per NPDAP 8.5 "ASME Section XI Repair/Replacement Program* Pertificate of Authorization No. N/A Expiration Date N/A Igned Replacement Program* CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Multual Insurance Co. of Johnston, R.I. have, Inspected the components described in the Dest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period 3/26/01 to 1/2/9/01 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions WB 7509(WI) MA 2102			
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the rules of the ASME Code Section XI. Repair Or Replacement per NPDAP 8.5 "ASME Section XI. Repair/Replacement Program" ertificate of Authorization No			
ertificate of Authorization No	We certify that the statements ma	de in the report are correct and this	Replacement conform
certificate of Authorization No. NA Expiration Date NA Sund Black Block State Assumption Date December 20 01	the rules of the ASME Code Section	on XI.	Repair Or Replacement
gned Call Brooks Sub Program Date Successful 20 01 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have, inspected the components described in the Dest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509(NJ) PA 2602	pe Code Symbol Stamp per I	NPDAP 8.5 "ASME Section XI Repair/F	Replacement Program*
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Dest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB 7509(WT) PH 2162.			
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I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/26/01 to /2/001, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 VB 7509(WI) PA 263.	Owner or Owner's De	signee, Title	120 11 , 20 <u>01</u>
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/26/01 to /2/9/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions VB 7509(WT) PA 2103.			
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examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509(NJ) PA 2162.	and the State or Province of Penns Johnston, R.I. Owner's Report during the period	mission issued by the National Board of Boiler <u>cylvania</u> and employed by <u>Factory Mu</u> have inspected the components d to	r and Pressure Vessel Inspectors itual Insurance Co. of escribed in the
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 7509 (NT) PA 2162.	and the State or Province of Penns Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Or	mission issued by the National Board of Boiler sylvania and employed by <u>Factory Mu</u> have inspected the components d 3/26/01 to where has performed examinations and taken	r and Pressure Vessel Inspectors itual Insurance Co. of escribed in the 2 / 9 / 0 , and state that to the corrective measures described in this
this inspection. Globert Cimoch commissions NB 7509 (NJ) PA 2162	and the State or Province of Penns Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Or Owner's Report in accordance with the	mission issued by the National Board of Boiler sylvania and employed by <u>Factory Mulana</u> have inspected the components days in the sylvania to <u>Jacobs Jacobs u>	r and Pressure Vessel Inspectors itual Insurance Co. of escribed in the Q_/Q/Q/, and state that to the corrective measures described in this
Robert Comoch commissions NB 7509(N,I) PA 2162	and the State or Province of Penns Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Or Owner's Report in accordance with the By signing this certificate neither the ins examinations and corrective measures	mission issued by the National Board of Boiler sylvania and employed by <u>Factory Mu</u> have inspected the components d 3/26/01 to // where has performed examinations and taken requirements of the ASME Code, Section XI. spector nor his employer makes any warranty described in this Owner's Report. Furthermo	r and Pressure Vessel Inspectors itual Insurance Co. of escribed in the 2 / 9 / 0 / 1, and state that to the corrective measures described in this , expressed or implied, concerning the ire, neither the inspector nor his employer
	and the State or Province of Penns Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Or Owner's Report in accordance with the By signing this certificate neither the ins examinations and corrective measures shall be liable in any manner for any pe	mission issued by the National Board of Boiler sylvania and employed by <u>Factory Mu</u> have inspected the components d 3/26/01 to // where has performed examinations and taken requirements of the ASME Code, Section XI. spector nor his employer makes any warranty described in this Owner's Report. Furthermo	r and Pressure Vessel Inspectors itual Insurance Co. of escribed in the 2 / 9 / 0 / 1, and state that to the corrective measures described in this , expressed or implied, concerning the ire, neither the inspector nor his employer
0	and the State or Province of Penns Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Or Owner's Report in accordance with the By signing this certificate neither the ins examinations and corrective measures shall be liable in any manner for any pe	mission issued by the National Board of Boiler sylvania and employed by Factory Muhamman and employed by Factory Muhamman and employed the components of Jacob to Jacob where has performed examinations and taken requirements of the ASME Code, Section XI. Spector nor his employer makes any warranty described in this Owner's Report. Furthermore property damage or a loss of the ASME Code and the second injury or property damage or a loss of the ASME Code.	r and Pressure Vessel Inspectors itual Insurance Co. of escribed in the 2 / 9 / 0 / 1, and state that to the corrective measures described in this , expressed or implied, concerning the ire, neither the inspector nor his employer
	Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Or Owner's Report in accordance with the By signing this certificate neither the ins examinations and corrective measures shall be liable in any manner for any pethis inspection.	mission issued by the National Board of Boiler sylvania and employed by Factory Muhave inspected the components of 3/26/8/1 to //where has performed examinations and taken requirements of the ASME Code, Section XI. spector nor his employer makes any warranty described in this Owner's Report. Furthermore properly damage or a loss of the Commissions ASME.	r and Pressure Vessel Inspectors itual Insurance Co. of escribed in the 2/9/1, and state that to the corrective measures described in this , expressed or implied, concerning the re, neither the inspector nor his employer any kind arising from or connected with

FUIII NO. 1400	Form	No.	1486
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Owner	F.E.N.O.C. (NAME)			Date	·	12-18-01	
76 Sout	th Main Street - A	kron, OH 44	308	Sheet	1	of	1
Plant	Beaver Valley	/ Power Stati	on	Unit No.		1	•
	Shippingport,	PA 15077	7. T. T.	•	0.	1-001849-000	• .
· Work Pe	(ADDRESS) erformed By <u>Nuc</u>	clear Constru	ıction			ZATION P.O. NO., JOB NO. Stamp Not.	
	Shippingport, (ADDRESS)	(NAME)	:	Authorizati	on No.	N/A	
Idontific	ation of System		ent Cooling \	Expiration	Date	«	
(b) Applica	able Constituction Coo able Edition of Section ation of Componer	XI Utilized for I	Repairs or Repl	acements 1989E	·	·	
Name of Component	Name of Manufacturer	Manufacturer , Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	25904	N/A	CC-HSS-402		Replaced	No
Snubber	Grinnell	12744	N/A	CC-HSS-402		Replacement	No
							47 (74.2
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:							
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							:
	· .					1	1
*							<u> </u>
,				·		-	
Description	on of Work <u>Re</u>	eplaced snub	ber with spa	re for testing/refu	urbishm	ent purposes.	

	piacou wa. a acce opare :	Mateu IIOIII Stu	ck. No Code Data	неропѕ
are available. The snubber	was purchased non-NF con	nponents (non	-code).	
	· · · · · · · · · · · · · · · · · · ·	•	•	ž e
•				
	CERTIFICATE OF COMP	PLIANCE		
				n *
We certify that the statements ma		d this	Replacement Repair Or Replacement	conforms
pe Code Symbol Stampper_!	NDDAD 8 5 "ASME Section YI	Renair/Renlac	ement Program	
pe code symbol stamp <u>per i</u>	TENT 0.3 AGML GOODING A	перапл теріас	onicia i rogiam	 ·
ertificate of Authorization No.	WA Expiration Date	e	N/A	_
Owner or Owner's De	CERTIFICATE OF INSERVICE			
I, the undersigned, holding a valid command the State or Province of Penns Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the Owner's Report in accordance with the	when has performed examinations	Factory Mutual In- nponents describe /2//9 and taken correct	surance Co. of of oddin the and state that	t to the
By signing this certificate neither the ins examinations and corrective measures shall be liable in any manner for any pe this inspection.	described in this Owner's Report.	Furthermore, neit	her the inspector nor h	is employer
21+1	9)	100	x00/1/2)1	na 1/a
Crobbed Com Inspector's Signature	Commission	National Board	State, Province, and Endorse	M Z 16 Z ements

Form	No.	1487

. Owner	F.E.N.O.C.			Date		12-18-01	
_	(NAME) h Main Street – Al	kron, OH 44:	308	Sheet	1		1
Plant	(ADDRESS) Beaver Valley	Power Static	on	Unit No.		1	
	Shippingport,	PA 15077	:		01	-001850-000	
Work Pe	(ADDRESS) rformed By <u>Nuc</u>	lear Constru	ction			Stamp Not A	erc. oplicable
	Shippingport, (ADDRESS)			Authorizati	on No	N/A	A GAST
Idoatifica	,	. , ,	ant Caaling 1		Date _	«	<u> </u>
(a) Applica	tion of System able Construction Cod	e <u>AN</u>	ent Cooling \ SI B31.1 196	7 Edition, <u>S71</u> Adde	nda, <u>N/</u>	A Code Case	
	able Edition of Section ation of Componer	•	• •		— ents Con	nponents	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	14918	N/A	CC-HSS-021B		Replaced	No
Snubber	Pacific Scientific	24499	N/A	CC-HSS-021B		Replacement	No
				· · · · · · · · · · · · · · · · · · ·			
				·			
•:							
:							• •
							
							
						+	
Descripti	on of Work Re	placed snub	ber with spa	re for testing/ref	urbishme	ent purposes.	
							
Tests Co		static 🗌	Pneumatic			ing Pressure 🗌	N/A RBB

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Pobert Brooks Sarub. Program Cherry Date December 18 20 01
CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/26/0/ to 1/2/19/0/, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Collect Cemoch Commissions NB7509(NJ) PA2162 National Board, State, Province, and Endorsements
Date

Form	No.	1488

	F.E.N.O.C.			Date		12-18-01	
76 Sout	h Main Street — A (ADDRESS)	kron, OH 44:	308	Sheet _	1	of	1
Plant	Beaver Valley	Power Static	on	Unit No.		<u> </u>	
	Shippingport,	PA 15077		DED	O1	-001851-000 Pation P.O. NO., JOB NO.	ETC
Work Pe	erformed By Nuc					Stamp Not	
	Shippingport,	(NAME) PA 15077	:}	Authorizati	on No.	N/A	
•	(ADDRESS)			Expiration	_	и	
Identifica	ation of System	Compone	ent Cooling	Water (Q3)	·		
(a) Applica	able Construction Cod able Edition of Section	e ANS	SI B31.1 196	57 Edition, S71 Adde	nda, <u>N/</u>	A Code Cas	ë.
	ation of Componer				—: ente Com	inonente	
	T	ı i i i i i i i i i i i i i i i i i i i	Г	I and Hopaconic	1	•	
Name of	Name of	Manufacturer	National Board	Other .	Year	Repaired, Replaced, Or	ASME Code Stamped
Component	Manufacturer	Serial No.	No.	Identification	Buik	Replacement	(YES or NO)
Snubber	Pacific Scientific	6266	N/A	CC-HSS-406A		Replaced	No
Snubber	Pacific Scientific	16260	N/A	CC-HSS-406A		Replacement	No
Snubber	Pacific Scientific	6267	N/A	CC-HSS-406B		Replaced	No
Snubber	Pacific Scientific	29435	N/A	CC-HSS-406B		Replacement	No
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e effective in						1
. 374.X							
	,		7		**		
						<u> </u>	
Descripti	on of Work <u>Re</u>	placed snub	ber with soa	re for testina/refi	urbishme	ent numoses	
			<u> </u>		<u> </u>	zin purposco.	

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available, The snubbers were purchased non-NF components (non-code).
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Robert Scoter, Sub. Program Drown Date December 18, 20 01
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/26/0 to 2/14/0 and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB7509 (N,I) PA 2162 Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date

Form	No	1489

	(NAME)	·		Date		12-18-01	
76 South	n Main Street – Al (ADDRESS)	cron, OH 44:	308	Sheet _	1	of	1
Plant	Beaver Valley	Power Static	on	Unit No.	·	. 1	<u> </u>
	Shippingport, (ADDRESS)	PA 15077	····· <u>-</u>	-		-001852-000	
Work Pe	rformed By <u>Nuc</u>		ction	Type Code		Stamp No. No. JOB NO. Stamp	Applicable
	Shippingport, I	(NAME) PA 15077	· · · · · · · · · · · · · · · · · · ·	Authorizati	on No	N/A	
	(ADDRESS)			Expiration	Date _		
Identifica	tion of System	Compone	ent Cooling \	Nater (Q3)			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	8369	N/A	CC-HSS-407B		Replaced	No
Snubber	Grinnell	8181	N/A	CC-HSS-407B		Replacement	No
				4.	3*		
					8.44°		
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		. 1				·	·
·					Table 1		
n							
Description	on of Work Re	nlaced south	har with ena	ure for testing/ref	urbiehm	ont numococ	
. Description	511 01 44 01K	piaceu siiuu	oei with spa	ile for testing/fer	<u>utnisiuit</u>	ant purposes.	
. Tests Co	nducted: Hvdro	static [Pneumati	c 🗍 Nomins	al Operat	ting Pressure	N[A LB

are available. The snubber was purchased non-NF components	(non-code).
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this the rules of the ASME Code Section XI.	Replacement conform
ype Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Re	eplacement Program*
Certificate of Authorization No. <u>N/A</u> Expiration Date	N/A
igned Kabrit Sports, Sub Program Cloner Date Designee, Office CERTIFICATE OF INSERVICE INSPECTION	ecember 18, 20, 01
Owner or Owner's Designee, (Table	
Owner or Owner's Designee, (Table CERTIFICATE OF INSERVICE INSPECTION	N
Owner or Owner's Designee, (Table	N and Pressure Vessel Inspectors
Owner or Owner's Designee, Orline CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and the State or Province of Pennsylvania and employed by Factory Mutter Johnston, R.I. have inspected the components de	and Pressure Vessel Inspectors ual Insurance Co of scribed in the
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and the State or Province of Pennsylvania and employed by Factory Mutter Johnston, R.I. have inspected the components de Owner's Report during the period 3/26/01 to /2	and Pressure Vessel Inspectors ual Insurance Co of scribed in the // 7./ 0, and state that to the
CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and the State or Province of Pennsylvania and employed by Factory Mutter Johnston, R.I. have inspected the components de Owner's Report during the period 3/26/01 to /2 best of my knowledge and belief, the Owner has performed examinations and taken components.	and Pressure Vessel Inspectors ual Insurance Co of scribed in the // 7./ 0, and state that to the
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and the State or Province of Pennsylvania and employed by Factory Mutter Johnston, R.I. have inspected the components de Owner's Report during the period 3/26/01 to /2	and Pressure Vessel Inspectors ual Insurance Co of scribed in the // 7./ 0, and state that to the
CERTIFICATE OF INSERVICE INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and the State or Province of Pennsylvania and employed by Factory Mutter Johnston, R.I. have inspected the components de Owner's Report during the period 3/26/01 to /2 best of my knowledge and belief, the Owner has performed examinations and taken components.	and Pressure Vessel Inspectors ual Insurance Co. of scribed in the // / / / / / / / / , and state that to the orrective measures described in this
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and the State or Province of Pennsylvania and employed by Factory Multiple Johnston, R.I. have inspected the components de Owner's Report during the period 3/26/0/ to /2 best of my knowledge and belief, the Owner has performed examinations and taken of Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, examinations and corrective measures described in this Owner's Report. Furthermore	and Pressure Vessel Inspectors ual Insurance Co. of scribed in the ///////////////////////////////////
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and the State or Province of Pennsylvania and employed by Factory Mutter Johnston, R.I. have inspected the components de Owner's Report during the period 3/26/01 to /2 best of my knowledge and belief, the Owner has performed examinations and taken of Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, examinations and corrective measures described in this Owner's Report. Furthermore shall be liable in any manner for any personal injury or property damage or a loss of accordance of the Asmage of a loss of accordance of the Asmage of a loss of accordance of the Asmage of a loss of accordance of the Asmage of a loss of accordance of the Asmage of a loss of accordance of the Asmage of a loss of accordance of the Asmage of a loss of accordance of the Asmage of a loss of accordance of the Asmage of a loss of accordance of the Asmage of a loss of accordance of the Asmage of the Asmage of a loss of accordance of the Asmage of the Asmage of a loss of accordance of the Asmage of the Asmage of a loss of accordance of the Asmage of	and Pressure Vessel Inspectors ual Insurance Co. of scribed in the ///////////////////////////////////
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and the State or Province of Pennsylvania and employed by Factory Multiple Johnston, R.I. have inspected the components de Owner's Report during the period 3/26/0/ to /2 best of my knowledge and belief, the Owner has performed examinations and taken of Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, examinations and corrective measures described in this Owner's Report. Furthermore	and Pressure Vessel Inspectors ual Insurance Co. of scribed in the ///////////////////////////////////

Form	No	1490
1.01111	IWO.	1490

	F.E.N.O.C.	····		Date		12-18-01	
<u>76 Sout</u>	h Main Street A	kron, OH 44	308	Sheet _	1	of	1
Plant	Beaver Valley Power Station (NAME)			_ Unit No.		1	
	Shippingport,	PA 15077		PCD	01	-002680-000 ZATION P.O. NO., JOB NO.	
. Work Pe	rformed By Nuc	•	ıction			Stamp Not /	
	Shippingport,		• :	_ Authorizati	on No		
•	(ADDRESS)	:	¥ ,.	Expiration	Date _	u u	
	tion of System	Compone			·		
(a) Applica (b) Applica	able Construction Cod able Edition of Section	AN: XI Utilized for I	<u>SI B31.1</u> 19 <u>0</u> Repairs or Rep	<u>57</u> Edition, <u>S71</u> Adde lacements <u>1989E</u>	nda, <u>N/</u>	A Code Cas	e salah Salah kal
. Identifica	tion of Componer	nts Repaired	or Replaced	d and Replaceme	ents Con	nponents	\$14 A.T.
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Boilt	Repaired, Reptaced, Or Reptacement	ASME Code Stamped (YES or
Snubber	Grinnell	8180	N/A	CC-HSS-404		Replaced	No
Snubber.	Grinnell	VB-7205B	N/A	CC-HSS-404		Replacement	No
				er g			
					-		
							· · · · · · · · · · · · · · · · · · ·
		·					
						-	
Description	on of Work <u>Re</u>	placed snub	be <mark>r with s</mark> pa	re for testing/refu	ırbishme	ent purposes.	
						ing Pressure 🗌 .	

9. Remarks The snubber was replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-NF components (non-code).
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Robert Brooks Sulls Fragon abour Date December /8 , 20 01
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.
Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/26/0/ to /2/9/0/, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions NB 7509 (N, I) PA 2162. Inspector's Signature Commissions NB 7509 (N, I) PA 2162.
Date Dec 19, 20 01

Form	A1 -	1491
$-\alpha m$	NIA	1/10/1
4 (1) (1)	110.	1431

. Owner _	F.E.N.O.C.			Date		12-18-01	
76 Sout	h Main Street — /		4308	Sheet _	<u>·1</u>	of	1
. Plant	Beaver Valle		tion	Unit No.		1	
·	Shippingport				01	-001854-000	•
e en en en en en en en en en en en en en	(ADDRESS)				IR ORGANI	ZATION P.O. NO., JOB NO.	
. Work Pe	rformed By Nu	ICIEAR CONSTR (NAME)	uction	Type Code	Symbo	Stamp Not A	pplicable
	Shippingport	PA 15077		Authorization	on No.	N/A	
	(ADDRESS)			Expiration I	Date		11
Identifica	tion of System	Feedwa	ter (Q2)	•			
				eplacements 1989E ed and Replaceme	nts Con	nponents	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	VB-7133B	N/A	WFPD-HSS-203		Replaced	No
Snubber	Grinnell	11287	N/A	WFPD-HSS-203		Replacement	No
Snubber	Grinnell	8374	N/A	WFPD-HSS-207		Replaced	No
Snubber	Grinnell	8375	N/A	WFPD-HSS-207		Replacement	No
7 : . : 1	Magazina da			A Company of the Comp		:	
	· · · · · · · · · · · · · · · · · · ·						
						-	: :
					•		
		77 -	·				
Description	on of Work <u>R</u>	eplaced snu	bber with s	pare for testing/refu	ırbishme	ent purposes.	<u> </u>
Tests Cor	nducted: Hydr Other	ostatic [Pneuma		Operat	ting Pressure	N/A

THO OHODOTO WOTO TO	<u>piaceu wiui a usi</u>	ed spare rotated troi	n stock. No Code Da	ta Reports
are available, The snubbers w	vere purchased n	on-NF components	(non-code).	
•				
		•		
	.:			
	CERTIFICATE O	F COMPLIANCE		
We certify that the statements made the rules of the ASME Code Section X	in the report are co (I.	orrect and this	Replacement Repair Or Replacement	conforms
pe Code Symbol Stamp <u>per NP</u>	DAP 8.5 "ASME S	ection XI Repair/Rep	lacement Program"	
		: .		
ertificate of Authorization No. N/A	Expira	ation Date	N/A	
CE	RTIFICATE OF INS	ERVICE INSPECTION		
I, the undersigned, holding a valid commiss	ion issued by the Na	tional Board of Boiler an	d Pressure Vessel Inspect	ors 44.9
and the State or Province of Pennsylva		•	•	
Johnston, R.I: Owner's Report during the period	3/26/0	ed the components described to $\frac{1}{2}$	1/0/ and state that	
best of my knowledge and belief, the Owner Owner's Report in accordance with the requ		•	ective measures described	l in this
By signing this certificate neither the inspector examinations and corrective measures described shall be liable in any manner for any person this inspection.	cribed in this Owner's	s Report, Furthermore, r	either the inspector nor hi	s employer
Robert Cims	rch .	Commissions NB 7.	509 (N,I) PA lard, State, Province, and Endorse	2162.
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

Form	No	1492

Owner _	F.E.N.O.C.			Date		12-18-01	
76 South	n Main Street - A	kron, OH 44	308	Sheet	1	of	1
Plant	Beaver Valley	Power Stati	on	Unit No.		11	
ke ^r	Shippingport,	PA 15077			01	-001855-000	· ·
	rformed By <u>Nuc</u>	lear Constru	ection	Type Code		zation P.O. NO., JOB NO., I Stamp <u>Not A</u>	ETC.
·	Shippingport,			Authorization	n No.	N/A	
:	(ADDNESS)		***	Expiration D	ate _	ar a says 🔻 a s	<u> </u>
Identificat	tion of System	Feedwat	<u>er (Non Q, b</u>	ut within first ancl	nor)		
(a) Applicat	ble Construction Cod ble Edition of Section	e AN	SI B31.1 196	7 Edition, <u>S71</u> Adden	da, <u>N</u>	A Code Case	9
			-	and Replaceme	 nts Con	anonents	
		· · · · · · · · · · · · · · · · · · ·	T. Hopkwood	- and replaceme		nportetto .	
Name ofComponent	Name of Manufacturer	Manufacturer Serial No	National Board	Other Edentification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES o NO)
Snubber	Grinnell	VB-5364B	N/A	WFPD-HSS-228		Replaced	No
Snubber	Grinnell	8332	N/A	WFPD-HSS-228		Replacement	No
		•			2 7		
* WAS	and the second of the second of		era era era era era era era era era era		e e e e e e e e e e e e e e e e e e e		
3			75 w 75 w 74.		1 11		
							<u></u>
1000							
Capital Control							
			· · · · · · · · · · · · · · · · · · ·				<u>-</u>
·					1		
ا تورید				<u></u>			·

are available, The s	nubber was purchased non-NF compone	nts (non-code).	
••			
			- ·
	CERTIFICATE OF COMPLIANCE	E ::	٠٠,
We certify that the statement of the rules of the ASME Code	ents made in the report are correct and this e Section XI.	Replacement Repair Or Replacement	conforms
ype Code Symbol Stamp _	per NPDAP 8.5 "ASME Section XI Repair	r/Replacement Program*	
Certificate of Authorization No	b. <u>N/A</u> Expiration Date	N/A	
Owner or (Owner's Designee, Islae		
I, the undersigned, sholding a va	CERTIFICATE OF INSERVICE INSPEC		188 (S.) () () () () () () () () ()
and the State or Province of	alid commission issued by the National Board of Bo Pennsylvania and employed by Factory inspected the components	iller and Pressure Vessel Inspectors Mutual Insurance Co of s described in the	
Johnston, R.I. Owner's Report during the perik best of my knowledge and belie	alid commission issued by the National Board of Bo Pennsylvania and employed by Factory inspected the components	iller and Pressure Vessel Inspectors Mutual Insurance Co. of s described in the 190, and state that to en corrective measures described in	the
and the State or Province of	alid commission issued by the National Board of Bo Pennsylvania and employed by <u>Factory</u> have inspected the components od <u>3/26/01</u> to /2 of, the Owner has performed examinations and take	iller and Pressure Vessel Inspectors Mutual Insurance Co. of s described in the 190, and state that to en corrective measures described in XI.	the this
and the State or Province of	Alid commission issued by the National Board of	Mutual Insurance Co. of secribed in the and expressed or implied, concerning more, neither the inspector nor his e	the this g the mployer

Form No.	1493

F.E.N.O.C	•		Date		12-18-01	
h Main Street –	Akron, OH 4	4308	Sheet _	1	of	1
year or a second		ition	Unit No.	•	1	
Shippingport (ADDRESS)	, PA 15077	• • • • •	REP	01	-001856-000	ETC
rformed By Nu	ıclear Const	,				
Othiphilidboli	TA IOUL		Authorizati	on No	N/A	
ition of System	Main Si	team (O2)	Expiration	Date _	6	· ·
able Construction Co able Edition of Section	on XI Utilized fo	NSI B31.1 1 or Repairs or Re	placements 1989E	· ·		se
Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Grinnell	30249	N/A	SHP-HSS-208		Replaced	No
Grinnell	27283	N/A	SHP-HSS-208		Replacement	No
Grinnell	19826	N/A	SHP-HSS-209		Replaced	No
Grinnell	30757	N/A	SHP-HSS-209		Replacement	No
is setting in						
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	8					
	Shippingport (ADDRESS) Shippingport (ADDRESS) Afformed By Nu Shippingport (ADDRESS) Ation of System Able Construction Co Able Edition of Section Ation of Compone Name of Manufacturer Grinnell Grinnell Grinnell	Beaver Valley Power State (NAME) Shippingport, PA 15077 (ADDRESS) Attion of System Main Stable Construction Code Able Edition of Section XI Utilized for the Manufacturer Serial No. Grinnell 30249 Grinnell 19826 Grinnell 30757	Beaver Valley Power Station (NAME) Shippingport, PA 15077 (ADDRESS) Informed By Nuclear Construction (NAME) Shippingport, PA 15077 (ADDRESS) Ation of System Main Steam (Q2) Able Construction Code ANSI B31.1 11 Able Edition of Section XI Utilized for Repairs or Relation of Components Repaired or Replace Name of Manufacturer Serial No. National Board No. Grinnell 30249 N/A Grinnell 19826 N/A Grinnell 19826 N/A Grinnell 30757 N/A	Beaver Valley Power Station Unit No. Shippingport, PA 15077 (ADDRESS) Type Code (NAME) Shippingport, PA 15077 (ADDRESS) Shippingport, PA 15077 (ADDRESS) Type Code (NAME) Shippingport, PA 15077 Authorizati Expiration Authorizati Expiration Authorizati Expiration Authorizati Expiration Authorizati Expiration Authorizati Expiration Other ANSI B31.1 1967 Edition, S71 Adde Able Edition of Section XI Utilized for Repairs or Replacements 1989E Authorizati Ansi B31.1 1967 Edition, S71 Adde Ansi B31.1 1967 Edition,	Beaver Valley Power Station Unit No. Shippingport, PA 15077 (ADDRESS) Expiration No. Expiration Date Ition of System Main Steam (Q2) ANSI B31.1 1967 Edition, S71 Addenda, N/ Able Edition of Section XI Utilized for Repairs or Replacements 1989E Ition of Components Repaired or Replaced and Replacements Com Name of Manufacturer Section N/A Manufacturer Section N/A Grinnell 30249 N/A SHP-HSS-208 Grinnell 19826 N/A SHP-HSS-209 Grinnell 30757 N/A SHP-HSS-209 —— Grinnell 30757 N/A SHP-HSS-209 —— Grinnell 30757 N/A SHP-HSS-209 ——	Beaver Valley Power Station (NAME) Shippingport, PA 15077 (ADDRESS) REPAIR ORGANIZATION P.O. NO. JOB NO Informed By Nuclear Construction (NAME) Shippingport, PA 15077 Authorization No. N/A Expiration Date Main Steam (Q2) ANSI B31.1 1967 Edition, S71 Addenda, N/A Code Castable Edition of Section XI Utilized for Repairs or Replacements 1989E Attion of Components Repaired or Replaced and Replacements Components Name of Manufacturer Secial No. N/A SHP-HSS-208 — Replacement Grinnell 30249 N/A SHP-HSS-208 — Replacement Grinnell 19826 N/A SHP-HSS-209 — Replacement Grinnell 30757 N/A SHP-HSS-209 — Replacement Grinnell 30757 N/A SHP-HSS-209 — Replacement

The snubbers were purchased non-NF components (non-code).		
		-
CERTIFICATE OF COMPLIANCE		
We certify that the statements made in the report are correct and this o the rules of the ASME Code Section XI.	Replacement Repair Or Replacement	_ conforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/F	Replacement Program*	
Certificate of Authorization No. <u>N/A</u> Expiration Date	N/A	
Signed Robert Brooks Josephse, Title Commer Date Designed, Title Commer Date Designed, Title CERTIFICATE OF INSERVICE INSPECT		, 20 <u>01</u>
I; the undersigned, holding a valid commission issued by the National Board of Boile and the State or Province of Pennsylvania and employed by Factory Managements of the State or Province of Pennsylvania and employed by Factory Managements of the ASME Code, Section XI. Owner's Report during the period 3/26/01 to /2/2 best of my knowledge and belief, the Owner has performed examinations and taken Owner's Report in accordance with the requirements of the ASME Code, Section XI.	described in the 19/6/, and state that corrective measures described	to the
and the State or Province of Pennsylvania and employed by Factory Monday Inspected the components of State of my knowledge and belief, the Owner has performed examinations and taken	described in the described in the described in the described in the described describe	to the d in this ming the is employer
and the State or Province of Pennsylvania and employed by Factory M. Johnston, R.I. have inspected the components of the State of my knowledge and belief, the Owner has performed examinations and taken Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty examinations and corrective measures described in this Owner's Report. Furtherms shall be liable in any manner for any personal injury or property damage or a loss of this inspection.	described in the described in the described in the described in the described describe	to the d in this ming the is employer ected with

# (M#) EW(). 140744	Form	ı No.	1494
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Owner _	F.E.N.O.C.			Date		12-18-01	· -
76 South	Main Street - A	Akron, OH 44	1308	Sheet _	1	of	1
Plant	Beaver Valle	y Power Stat	ion.	Unit No.		1	
	Shippingport,				01	-001859-000	•
Work Per	(ADDRESS) rformed By <u>Nu</u>		uction			CATION P.O. NO., JOB NO., Stamp Not A	
	Shippingport,	(NAME)			ing. Sangaran sa	: '' :	
	(ADDRESS)			,	_	а	
Identifica	tion of System	Residua	l Heat Rem	oval (Q2 for 102 8		****	
(a) Applicat	ble Construction Co	đe <u>AN</u>	ISI B31.1 1	9 <u>67</u> Edition, <u>S71</u> Adde			9
				eplacements 1989E			· • • • • • • • • • • • • • • • • • • •
Identificat	tion of Compone	ents Hepaire	d or Replac	ed and Replaceme	ents Con	nponents	e estado de tentro de la composição de la c La composição de la compo
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired, Replaced, Or Réplacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	VB-7459B	N/A	RH-HSS-102		Replaced	No
Snubber	Grinnell	9190	N/A	RH-HSS-102		Replacement	No
Snubber	Grinnell	25482	N/A	RH-HSS-109		Replaced	No
Snubber	Grinnell	30534	N/A	RH-HSS-109		Replacement	No
:				to a complete			23 - 3963 83 <u>1 - 32</u>
			-		·		
	·						
	(1)() =					_	1
Description	on of Work <u>R</u>	eplaced snu	<u>oper with s</u>	pare for testing/ref	urbishme	ent purposes.	
	-						
Tests Co	nducted: Hydr	rostatic 🗌		atic Nomina	al Opera t Temp.	ting Pressure of	N/A RBB
	Other						

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available, The snubbers were purchased non-NF components (non-code).
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Robert Brooks, Sub. Program Owner Date December 18, 20 01
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.
Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/26/01 to /2//9/01, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cincold Commissions NB7509(NJ)PA2162 Inspector's Signature Commissions NB7509(NJ)PA2162
Date Dec 19, 20 01

Form	No	1495
I Ulli	INU.	1433

Owner _	F.E.N.O.C. (NAME)			Date		12-18-01	······································			
76 South	h Main Street — Al	kron, OH 44	308	Sheet _	1	of	<u> </u>			
Plant	Plant Beaver Valley Power Station			Unit No1						
	Shippingport, PA 15077 (ADDRESS)				01-001871-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.					
Work Per	rformed By <u>Nuc</u>	lear Constru	iction	Type Code	•		pplicable			
	Shippingport, (ADDRESS)	San San San		Authorizat	on No.	N/A	- J. M.			
	(POILSO)	:		Expiration	Date _	æ				
(b) Applica	ble Construction Cod ble Edition of Section tion of Componer	XI Utilized for I	Repairs or Repla	acements 1989E	· · · · ·	Code Case	Facility of the second of the			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board - No.	Other	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)			
Snubber	Grinnell	8842	N/A	RS-HSS-221	1. 1 · · · · · · · · · · · · · · · · · ·	Replaced	No			
Snubber	Grinnell	VB-7197B	N/A	RS-HSS-221		Replacement	No			
	,									
. મુખ્યામાં આવેલ . મુખ્યામાં આવેલ	Tail No. 1988					***				
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						<u>.</u>				
December			<u> </u>				·			
Description	on of Work Re	<u>piaced snub</u>	<u>ber with spai</u>	re for testing/ref	urbishm	ent purposes.	<u></u>			
				·						

are available. The snubbe	r was purchased non-N	F components (ne	on-code).	
A STATE OF THE STA			-	· .
	CERTIFICATE OF	COMPLIANCE		
We certify that the statements m the rules of the ASME Code Sect	ion XI.		Replacement Repair Or Replacement	conform
pe Code Symbol Stampper	NPDAP 8.5 *ASME Section	ion XI Repair/Repl	acement Program"	
- ' · · · · · · · · · · · · · · · · · ·				
rtificate of Authorization No.	N/A Expiration	n Date	N/A	
gned Rebert Brosto S Owner or Owner's D	Drub. Rosam Chones Deskines, Till	Date Dece	mben 18	20 <u>01</u>
gned Ribert Brooks S Owner or Owler's D	CERTIFICATE OF INSER		ulen 18	, 20 <u>01</u>
; the undersigned, holding a valid con	CERTIFICATE OF INSER nmission issued by the Nation nsylvania and employed by	VICE INSPECTION all Board of Beller and Factory Mutual	1 Pressure Vessel Inspec Insurance Co. of	
gned Reference Somer or Owler's Downer or Owler'	CERTIFICATE OF INSER Inmission issued by the Nation Insylvania and employed by That inspected to	VICE INSPECTION all Board of Boller and	I Pressure Vessel Inspec Insurance Co. of ibed in the	l s
t, the undersigned, holding a valid con and the State or Province of Penr Johnston, R.I.	CERTIFICATE OF INSER Inmission issued by the Nation Insylvania and employed by Inavg inspected to 3/26/0/	vice inspection al Board of Beller and Factory Mutual he components descr	I Pressure Vessel Inspec Insurance Co. of ibed in the , and state the	at to the
the undersigned, holding a valid con and the State or Province of <u>Penr</u> Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the C	CERTIFICATE OF INSER Inmission issued by the Nation Insylvania and employed by Inave inspected to 3/26/0/ Owner has performed examine	VICE INSPECTION all Board of Beller and Factory Mutual the components descrite to 2	I Pressure Vessel Inspec Insurance Co. of ibed in the , and state the	at to the
the undersigned, holding a valid con and the State or Province of <u>Penr</u> Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the C	CERTIFICATE OF INSER Inmission issued by the Nation Insylvania and employed by Inave inspected to 3/26/0/ Owner has performed examine	VICE INSPECTION all Board of Beller and Factory Mutual the components descrite to 2	I Pressure Vessel Inspecting of the Insurance Co. Insurance Co. Insurance Co. Insurance Co. Insurance Co. Insurance Co. Insurance Insura	at to the
the undersigned, holding a valid con and the State or Province of Penr Johnston, R.I. Dwner's Report during the period pest of my knowledge and belief, the Cowner's Report in accordance with the By signing this certificate neither the leasurementations and corrective measures	CERTIFICATE OF INSER Inmission issued by the Nation Insylvania and employed by Inave inspected the sylvania and employed by Thave inspected the sylvania are requirements of the ASME of the ASME of the spector nor his employer mass described in this Owner's Respector for the sylvania and the sylvania are requirements of the ASME of the sylvania and the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the sylvania are requirements.	VICE INSPECTION all Board of Beller and Factory Mutual he components descrito 2 dations and taken corrected, Section XI. kes any warranty, expeport. Furthermore, r	I Pressure Vessel Insper Insurance Co. of ibed in the distance that active measures describe pressed or implied, concerning	at to the ed in this eming the his employer
the undersigned, holding a valid con and the State or Province of Penr Johnston, R.I.	CERTIFICATE OF INSER Inmission issued by the Nation Insylvania and employed by Inave inspected the sylvania and employed by Thave inspected the sylvania are requirements of the ASME of the ASME of the spector nor his employer mass described in this Owner's Respector for the sylvania and the sylvania are requirements of the ASME of the sylvania and the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the ASME of the sylvania are requirements of the sylvania are requirements.	VICE INSPECTION all Board of Beller and Factory Mutual he components descrito 2 dations and taken corrected, Section XI. kes any warranty, expeport. Furthermore, r	I Pressure Vessel Insper Insurance Co. of ibed in the distance that active measures describe pressed or implied, concerning	at to the ed in this eming the his employer

Form No. 14	96	
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	F.E.N.O.C.			Date		12-18-01	
76 South	76 South Main Street – Akron, OH 44308 (ADDRESS)				1	of	1.
Plant	Beaver Valley	Power Static	n nc	Unit No.		1	- -
	Shippingport,	PA 15077		· · · · · · · · · · · · · · · · · · ·	01	-001872-000	
Work Per	(ADDRESS) formed By Nuc	lear Conetru	ction	Type Code		ZATION P.O. NO., JOB NO	. ETC. Applicable
		(NAME)					Applicable
	Shippingport, (ADDRESS)	PA 15077		Authorizati		N/A	<u> </u>
l Idontificat	tion of System	River Wa	- (OO)	Expiration	Date _	<u> </u>	<u></u>
	ble Construction Cod			7 Edition S71 Adde	enda N	A Code Cas	• • • • • • • • • • • • • • • • • • •
	ble Edition of Section					N Oods Od.	· · · ·
. Identifical	tion of Componer	its Repaired	or Replaced	l and Replacem	ents Con	nponents	
						Repaired, Replaced,	ASME Code
Name of Component	Name of Manufacturer .	Manufacturer Serial No	National Board No.	Other Identification	Year Buik	Or Replacement	Stamped (YES or NO)
Snubber	Grinnell	8804	N/A	WR-HSS-309		Replaced	No
Snubber	Grinnell	12177	N/A	WR-HSS-309	; · ·	Replacement	No
	d en la						
s							1
	on of Work <u>Re</u>	placed snub	ber with spa	re for testing/rel	urbishm	ent purposes.	
	on of Work Re	placed snub	ber with spa	·		ent purposes. ting Pressure °F	

are available. The snubber was purchased non-NF components	(non-code)
are available. The shubber was purchased non-141 components	(NIT COUG).
	Polymer (Fig. 4)
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this the rules of the ASME Code Section XI.	Replacement conforms
ype Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Re	placement Program
Certificate of Authorization No. N/A Expiration Date	N/A
CERTIFICATE OF INSERVICE INSPECTION	*
I, the undersigned, holding a valid commission issued by the National Board of Boiler a	and Pressure Vessel Inspectors
	and Pressure Vessel Inspectors al Insurance Co. of scribed in the 19/01, and state that to the
I, the undersigned, holding a valid commission issued by the National Board of Boiler a and the State or Province of Pennsylvania and employed by Factory Mutu-Johnston, R.I. have inspected the components des Owner's Report during the period 3/26/01 to /2/ best of my knowledge and belief, the Owner has performed examinations and taken components.	and Pressure Vessel Inspectors al Insurance Co. of scribed in the 19/01, and state that to the birective measures described in this expressed or implied, concerning the in neither the inspector nor his employer
I, the undersigned, holding a valid commission issued by the National Board of Boiler a and the State or Province of Pennsylvania and employed by Factory Multiplohiston, R.I. have inspected the components described of my knowledge and belief, the Owner has performed examinations and taken components of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, examinations and corrective measures described in this Owner's Report. Furthermore shall be liable in any manner for any personal injury or property damage or a loss of an this inspection. Commissions NB 7	and Pressure Vessel Inspectors al Insurance Co. of scribed in the 19/01, and state that to the brective measures described in this expressed or implied, concerning the a neither the inspector nor his employer

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$-\alpha m$	NIA.	7/14/
Form	IIO.	1497

1. Owner	F.E.N.O.C.			Date		12-18-01	·
76 Sout	h Main Street - A	kron, OH 443	308	Sheet _	1	of	1
. Plant	en en en en en en en en en en en en en e				-	1	
	Shippingport, PA 15077 (ADDRESS)			DED	01	-001873-000 ZATION P.O., NO., JOB NO.	
 B. Work Pe	rformed By Nuc	lear Constru	ction				Applicable
	Shippingport,	(NAME) PA 15077	ar alter	Authorizati	on No.	N A	. the beauti
	(ADORESS)	- * ·	•	Expiration			
	tion of System	River Wa					· · · · · · · · · · · · · · · · · · ·
	able Construction Cod able Edition of Section				nda, <u>N</u>	A Code Cas	e
6. Identifica	tion of Componer	nts Repaired	or Replaced	and Replaceme	ents Con	nponents	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES, or
Snubber	Grinnell	VB-7048	N/A	WR-HSS-311		Replaced	No
Snubber	Grinnell _,	8768	N/A	WR-HSS-311		Replacement	No
	·						
. 4.	e e e e e e e e e e e e e e e e e e e	e (1)			927 F		
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•				· · · · · · · · · · · · · · · · · · ·			
'. Descripti	on of Work Re	placed snub	ber with spa	re for testing/ref	l urbishm	ent purposes.	<u>.</u>
3. Tests Co	nducted: Hydro	static Pressu	Pneumation			ting Pressure °F	NJA 266

. Hemaiks The shubber was replaced with a used s	pare rotated from stock. No Code Data Reports
are available. The snubber was purchased non-	NF components (non-code).
CERTIFICATE OF	COMPLIANCE
We certify that the statements made in the report are coro the rules of the ASME Code Section XI.	rect and this Replacement conforms
ype Code Symbol Stampper_NPDAP 8.5 "ASME Se	ction XI Repair/Replacement Program
	The state of the s
ertificate of Authorization No. N/A Expirat	ion DateN/A
CERTIFICATE OF INSE	ERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the Nati and the State or Province of <u>Pennsylvania</u> and employed I	by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected Owner's Report during the period 3/26/0/	to 12/19/01, and state that to the
best of my knowledge and belief, the Owner has performed exam Owner's Report in accordance with the requirements of the ASME	inations and taken corrective measures described in this
By signing this certificate neither the inspector nor his employer nexaminations and corrective measures described in this Owner's	
shall be liable in any manner for any personal injury or property dethis inspection.	amage or a loss of any kind arising from or connected with
Robert Cinoch Co	ommissions NB7509 (NJ) PA2162 National Board, State, Province, and Endorsements
N	

Form	No.	1498

Main Street — A (ADDRESS) Beaver Valley (NAME)		308	Sheet		ē	_
Beaver Valley			<u> </u>		of	1
(caramet)	Plant Beaver Valley Power Station				1	
Shippingport, PA 15077				01	-001874-000	· · · ·
(ADDRESS) formed By Nuc	lear Constru	ıction	•		Stamo No. JOB NO.,	ETC.
	(NAME)	- :			•	
(ADDRESS)			_			le es e
ion of System	River Wa	ater (Q3)				•
					A Code Cas	θ .
		•	· · · · · · · · · · · · · · · · · · ·		nononte	
on or contiponer	ı repaired	i i riepiacet	i and Heplaceme	ins con	•	
Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Grinnell	VB-6644B	N/A	WR-HSS-304A		Replaced	No
Grinnell	25474	N/A	WR-HSS-304A		Replacement	No
Grinnell	12729	N/A	WR-HSS-314		Replaced	No
Grinnell	VB-7360	N/A	WR-HSS-314	7	Replacement	No
					7.	4.
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	<u> </u>					
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···					-	
n of WorkRe	placed snut	ber with spa	re for testing/ref	urbishm	ent purposes.	
	•					
	Shippingport, (ADDRESS) ion of System ble Construction Cod ble Edition of Section ion of Componer Name of Manufacturer Grinnell Grinnell Grinnell	Shippingport, PA 15077 (ADDRESS) ion of System River Washle Construction Code ANnel Edition of Section XI Utilized for ion of Components Repaired Name of Manufacturer Serial No. Grinnell VB-6644B Grinnell 12729 Grinnell VB-7360	Shippingport, PA 15077 (ADDRESS) ion of System River Water (Q3) ble Construction Code ANSI B31.1 196 ble Edition of Section XI Utilized for Repairs or Repl ion of Components Repaired or Replaced Name of Manufacturer Scriat No. National Board No. Grinnell VB-6644B N/A Grinnell 25474 N/A Grinnell 12729 N/A Grinnell VB-7360 N/A	Shippingport, PA 15077 (ADDRESS) Expiration ion of System River Water (Q3) ble Construction Code ANSI B31.1 1967 Edition, S71 Adde le Edition of Section XI Utilized for Repairs or Replacements 1989 Edition of Components Repaired or Replaced and Replacements Name of Manufacturer National Board No. Grinnell VB-6644B N/A WR-HSS-304A Grinnell 12729 N/A WR-HSS-314 Grinnell VB-7360 N/A WR-HSS-314	Shippingport, PA 15077 (ADDRESS) Expiration No Expiration Date _ ion of System	Shippingport, PA 15077 Shippingport, PA 15077 Authorization No. N/A (ADDRESS) Expiration Date " Expiration Date " Separation Date " Expiration Date " ANSI B31.1 1967 Edition, S71 Addenda, N/A Code Case Re Edition of Section XI Utilized for Repairs or Replacements 1989E ion of Components Repaired or Replaced and Replacements Components Name of Manufacturer Serial No. National Board No. Replaced Other Year Replaced, Or Replaced, Or Replacement Other Year Replaced Replaced Grinnell VB-6644B N/A WR-HSS-304A Replaced Grinnell 25474 N/A WR-HSS-304A Replacement Grinnell 12729 N/A WR-HSS-314 Replacement Grinnell VB-7360 N/A WR-HSS-314 Replacement

CERTIFICATE OF COM We certify that the statements made in the report are correct are to the rules of the ASME Code Section XI. Type Code Symbol Stamp per_NPDAP 8.5 "ASME Section XI.	MPLIANCE
We certify that the statements made in the report are correct are the rules of the ASME Code Section XI.	and this <u>Replacement</u> confor
We certify that the statements made in the report are correct are the rules of the ASME Code Section XI.	and this <u>Replacement</u> confor
We certify that the statements made in the report are correct are the rules of the ASME Code Section XI.	and this <u>Replacement</u> confor
o the rules of the ASME Code Section XI.	
ype Code Symbol Stampper_NPDAP 8.5 *ASME Section X	
	XI Repair/Replacement Program"
ertificate of Authorization No. <u>N/A</u> Expiration Da	ate N/A
CERTIFICATE OF INSERVICE	E INSPECTION
I, the undersigned, holding a valid commission issued by the National Board the State or Province of Pennsylvania and employed by Johnston, R.I. have Inspected the commer's Report during the period 3/26/0/ to best of my knowledge and belief, the Owner has performed examination. Owner's Report in accordance with the requirements of the ASME Code.	Factory Mutual Insurance Co. of components described in the, and state that to the ns and taken corrective measures described in this
Omica o responsaria accordance was ano requiremente or ano result of	
By signing this certificate neither the inspector nor his employer makes a examinations and corrective measures described in this Owner's Report shall be liable in any manner for any personal injury or property damage this inspection.	rt. Furthermore, neither the inspector nor his employer
Robert Cennoch Commiss	isions WB7509(WI)PA216

Form	Na	1499
. 01111	110.	1733

Owner _	F.E.N.O.C.			Date _		12-18-01	
76 Sout	h Main Street – A	kron, OH 44	308	Sheet _	1	of	1
Plant	Beaver Valley	Power Stati	on	Unit No.		11	
	(NAME) Shippingport,	PA 15077		•	04	001075 000	•
F 1992	(ADDRESS)			REP	AIR ORGANIZA	001875-000 Ation P.O. NO., JOB NO.	ETC.
Work Pe	rformed By Nuc	clear Constru (NAME)	ction	Type Code	Symbol	Stamp Not	pplicable
	Shippingport,	PA 15077		Authorizat	ion No	N/A	Sylvan
	(ADDRESS)		;	Expiration	Date _	ec .	
Identifica	tion of System	River Wa	ter (Q3)				•
(a) Applica	able Construction Co	le <u>AN</u>	<u>SI B31.1</u> 19 <u>6</u>	7 Edition, <u>S71</u> Adde	enda, <u>N/A</u>	Code Cas	e
(b) Applica	ble Edition of Section	XI Utilized for I	Repairs or Repl	acements 1989E	 -		
dentifica	tion of Compone	nts Repaired	or Replaced	and Replacem	ents Com	ponents	
						Repaired,	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial: No.	National Board No.	Other Identification	Year Built	Replaced, Or Replacement	Code Stamped (YES or
Snubber	Grinnell	12745	N/A	WR-HSS-306		Replaced	NO)
		V					No
Snubber	Grinnell	8835	N/A	WR-HSS-306		Replacement	No
			1 25 5 5			e till ser i se	ŀ
•							·
	<u> Alle San A</u>	es de		<u> Sangaran artikar</u>		<u> </u>	<u> </u>
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					<u> </u>		
		eplaced shub	ber with sna	re for testing/ref	urbishme	nt purposes.	·
Description	on of Work <u>Re</u>	piacoa oriab	ser will opu				
Description	on of Work <u>Re</u>	piasod onaz					

are available. The snubber was purchased r	non-NF components (n	on-code).	
the state of the s			.* .
CERTIFICATE	OF COMPLIANCE		
We certify that the statements made in the report are the rules of the ASME Code Section XI.	e correct and this	Replacement Repair Or Replacement	_ conforms
Type Code Symbol Stampper NPDAP 8.5 "ASME	E Section XI Repair/Rep	lacement Program*	<u> </u>
Certificate of Authorization NoN/A Ex	piration Date	N/A	_
	Date De	cember 15 .	20 <u>01</u>
Signed Robert Brooks Surb. Prog Or Owner or Owner's Designed, Title	INSERVICE INSPECTION	cember 15.	20_01
CERTIFICATE OF and the State or Province of Pennsylvania and emplo	National Board of Boiler an extended the components description of the examinations and taken constructions.	d Pressure Vessel Inspector Insurance Co. of ribed in the graduate that the control of the contr	to the
CERTIFICATE OF it, the undersigned, holding a valid commission issued by the and the State or Province of Pennsylvania and employuniston, R.I. have inspectively best of my knowledge and belief, the Owner has performed experienced.	National Board of Boiler and Sectory Mutual Processing Matter and	d Pressure Vessel Inspector I Insurance Co	to the in this ning the employer

Form	No.	1500
rom	NO.	1500

. Owner _	F.E.N.O.C. (NAME)		 .	Date		12-18-01	·	
<u>76 Sout</u>	h Main Street – A	kron, OH 44	308	Sheet _	1	of	1	
Plant	Beaver Valley	Power Static	on	_ Unit No.		1	· · · · · · · · · · · · · · · · · · ·	
	Shippingport,	PA 15077		-	01	-001877-000	•	
Work Pe	rformed By <u>Nuk</u>		etion			ZATION P.O. NO., JOB NO., I Stamp <u>Not A</u>	• .	•
	Shippingport,	(NAME) PA 15077		Authorizati	on No.	N/A	1	. :
	(ADDRESS)			- Expiration	_	ű		
Identifica	tion of System	Safety In	jection (Q2)	·				:
(a) Applica	ible Construction Coo ble Edition of Section	leANS	SI B31.1 196 Repairs or Repl	57 Edition, <u>S71</u> Adde lacements <u>1989E</u>	enda, <u>N</u>	Code Case	, i	
	tion of Compone				ents Con	nponents		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or	
Snubber	Grinnell	8436	N/A	SI-HSS-517		Replaced	No.	
Snubber	Grinnell	8374	N/A	SI-HSS-517		Replacement	No	
Snubber	Grinnell	VB-6793	N/A	SI-HSS-518		Replaced	No	1
Snubber	Grinnell	8190	N/A	SI-HSS-518	<u></u>	Replacement	No	
Snubber	Grinnell	VB-7463B	N/A	SI-HSS-519		Replaced	No	
nubber	Grinnell	8396	N/A	SI-HSS-519		Replacement	No	
					, ę. ·			
							· ·	
Description	on of Work <u>Re</u>	placed snub	ber with spa	re for testing/ref	urbishme	ent purposes.		j
Tests Cor	nducted: Hydro	ostatic []	Pneumation	∵ Nomina	ol Operat	ting Pressure	N/A RIB	

9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports
are available. The snubbers were purchased non-NF components (non-code).
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair Or Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Robert Brooks, Sub, Roy Givner Date Decamber 18, 20 01
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/26/0/1 to 12/19/0/2, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 WB 7509(N,I) Ph 2/62 National Board, State, Province, and Endorsements
Date <u>Dec 19, 20 01</u>

Form No.	1501
1 01111 110.	1001

I. Owner	F.E.N.O.C.	······································	· .	Date		12-18-01	
76 Sout	h Main Street – A	kron, OH 44	308	Sheet	1	of	<u>.</u>
. Plant	Beaver Valley	Power Stati	on	Unit No.		1	
	Shippingport,	PA 15077			01	-001878-000	·
Work Pe	(ADDRESS) erformed By <u>Nuc</u>	clear Constru	ıction	-		ZATION P.O. NO., JOB NO., I Stamp Not A	1.5
:	Shippingport,	(NAME) PA 15077		Authorization	v		
	(ADDRESS)		. •	Expiration I	_	" «	
. Identifica	ation of System	Safety In	jection (Q2)				
. (a) Applica	able Construction Co able Edition of Section	fe <u>AN</u> XI Utilized for	SI B31.1 196 Repairs or Reol	57 Edition, <u>S71</u> Added	nda, <u>N</u>	Code Cas	6 1
	ation of Compone		.,		ents Cor	nponents	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Buik	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	22186	N/A	SI-HSS-514		Replaced	No
Snubber	Grinnell	12749	N/A	SI-HSS-514	·	Replacement	No
Snubber	Grinnell	7181	N/A	SI-HSS-523B	(3 + 1) (3 + 1) (4	Replaced	No
Snubber	Grinnell	VB-7466	N/A	SI-HSS-523B		Replacement	No
·	on of Work Re	l eplaced snut	ber with spa	re for testing/refu	urbishm	ent purposes.	I
. Descripti							

			• -
	CERTIFICATE OF COMPLIAN	CE	
			•
We certify that the statem the rules of the ASME Coo	ents made in the report are correct and this le Section XI.	Replacement Repair Or Replacement	_ conforms
			•
pe Code Symbol Stamp _	per NPDAP 8.5 "ASME Section XI Rep	air/Replacement Program	
• •			
ertificate of Authorization N	o. <u>N/A</u> Expiration Date	N/A	-
Owner or	Omion a Description, Title		<u> </u>
Owner or	CERTIFICATE OF INSERVICE INSPE	ECTION	
i, the undersigned, holding a v	CERTIFICATE OF INSERVICE INSPIrated commission issued by the National Board of E		, (2)
-	ralid commission issued by the National Board of E Pennsylvania and employed by <u>Factor</u>	Boiler and Pressure Vessel Inspectory Mutual Insurance Co of	rs
and the State or Province of	ratid commission issued by the National Board of E Pennsylvania and employed by Factor have inspected the componen	Boiler and Pressure Vessel Inspectory Mutual Insurance Co of	
and the State or Province of Johnston, R.I	ratid commission issued by the National Board of E Pennsylvania and employed by Factor have inspected the componen	Boiler and Pressure Vessel Inspector y Mutual Insurance Co. of nts desoribed in the /2//9/0/_, and state that the	o the
and the State or Province of	ralid commission issued by the National Board of E Pennsylvania and employed by Factor have inspected the componer iod 3/26/0/ to	Boiler and Pressure Vessel Inspectory Mutual Insurance Co. of onts described in the 1/2//9/0/, and state that taken corrective measures described	o the
and the State or Province of Johnston, R.I. Owner's Report during the perbest of my knowledge and belication of the Country o	ralid commission issued by the National Board of E Pennsylvania and employed by Factor have inspected the componer iod 3/26/0/ to ief, the Owner has performed examinations and ta	Boiler and Pressure Vessel Inspector of Mutual Insurance Co. of onts described in the 1/2/19/0/2, and state that taken corrective measures described in XI. Transport of the inspector nor his permore, neither the inspector nor his	o the in this ing the employer

Form	No.	1502
1 OILLI	110.	1302

Owner _	F.E.N.O.C.			Date		12-18-01	
76 Sout	h Main Street – A	kron, OH 443	308	Sheet _	. 1	of	1 <u>.</u>
Plant	(ADDRESS) Beaver Valley	Power Static	าก	Unit No.		<u>.</u>	
	(NAME)		<u> </u>	oincido:	-		-
	Shippingport, (ADDRESS)	PA 15077		an an angaga REP.	01 AIR ORGAŅIZ	<u>-001879-000</u> Ation P.O. NO., JOBNO.,	ETC.
Work Pe	rformed By Nuc	lear Constru	ction	Type Code	- 1944 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 19	And the second second	pplicable
	Shippingport,		* - * - *	Authorizati	on No.	N/A	ideni s
	(ADDRESS)	*		Expiration	_	a .	
Identifica	tion of System	Safety Inj	ection (Q1)	•	_		
(a) Applica	ble Construction Cod	e ANS	SI B31.1 196	7 Edition, <u>S71</u> Adde	nda, <u>N</u>	A Code Cas	e
	ble Edition of Section				<u> </u>		anta i saar in
Identitica	tion of Componer	nts Repaired	or Replaced	and Replacem	ents Con	ponents : " ' ' ' ' '	
Name of	Name of	Manufacture	National Board	Out		Repaired, Replaced,	ASME Code
Component	Manufacturer	Manufacturer Serial No.	No.	Other Identification	Year Built	Or Replacement	Stamped (YES or NO)
nubber	Grinnell	VB-6810B	N/A	SI-HSS-410		Replaced	No
nubber	Grinnell	25915	N/A	SI-HSS-410		Replacement	No
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	in the second se			Setar, was to the set	* * * * *		reduce in a Sport of the
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Description	on of Work <u>Re</u>	placed snub	ber with sna	re for testina/ref	urbishma	ent numoses	•
			<u> </u>		~(DIO) (1)	zat porposes.	
Tanki O	nducted: Hydro	estatic [ing Pressure	

are available, The s	nubber was purchased non-NF com	ponents (non-code).	
n to the		en en en en en en en en en en en en en e	.
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		Ten All All Rep	Red due
	CERTIFICATE OF COMPL	LIANCE	
the rules of the ASME Cod	માટા લેલિક કેલિકી છે છે છે. જે તેના માટે કેલિકી છે છે છે છે છે છે છે છે છે છે છે છે છે	Repair Or Replacem	ent
pe Code Symbol Stamp _	per NPDAP 8.5 "ASME Section XI	Repair/Replacement Program	<u>"</u>
	o. N/A Expiration Date	N/A	
	CERTIFICATE OF INSERVICE I	NSPECTION	
	CERTIFICATE OF INSERVICE I	NSPECTION	
	alid commission issued by the National Boar	d of Boiler and Pressure Vessel In	
and the State or Province of _	alid commission issued by the National Boar Pennsylvania and employed byF	d of Boiler and Pressure Vessel In actory Mutual Insurance Co.	
and the State or Province of	alid commission issued by the National Boar Pennsylvania and employed byF have inspected the com	d of Boiler and Pressure Vessel In actory Mutual Insurance Co. ponents described in the	
and the State or Province of	alid commission issued by the National Boar Pennsylvania and employed by F have inspected the comfod 3/26/0/ to lef, the Owner has performed examinations a	d of Boiler and Pressure Vessel In actory Mutual Insurance Co. ponents described in the 12/19/01, and state and taken corrective measures des	of e that to the
and the State or Province of	alid commission issued by the National Boar Pennsylvania and employed by F have inspected the comfod 3/26/0/ to	d of Boiler and Pressure Vessel In actory Mutual Insurance Co. ponents described in the 12/19/01, and state and taken corrective measures des	of e that to the
and the State or Province of Johnston, R.I. Owner's Report during the perbest of my knowledge and beformer's Report in accordance By signing this certificate neithexaminations and corrective in	alid commission issued by the National Boar Pennsylvania and employed by have inspected the commission and employed the commission is inspected the commission and examinations are with the requirements of the ASME Code, Some the inspector nor his employer makes any neasures described in this Owner's Report.	d of Boiler and Pressure Vessel In actory Mutual Insurance Co. ponents described in the 12/19/01, and state and taken corrective measures described in the section XI. y warranty, expressed or implied, continued the inspector inspector.	of e that to the cribed in this oncerning the nor his employer
and the State or Province of Johnston, R.I. Owner's Report during the perbest of my knowledge and beformer's Report in accordance By signing this certificate neithexaminations and corrective in	alid commission issued by the National Boar Pennsylvania and employed by F have inspected the comfod 3/26/0/ to lef, the Owner has performed examinations a with the requirements of the ASME Code, S her the inspector nor his employer makes any	d of Boiler and Pressure Vessel In actory Mutual Insurance Co. ponents described in the 12/19/01, and state and taken corrective measures described in the section XI. y warranty, expressed or implied, continued the inspector inspector.	of e that to the cribed in this onceming the nor his employer
and the State or Province of	alid commission issued by the National Boar Pennsylvania and employed by Favorine inspected the complete in the Pennsylvania and employed by Favorine inspected the complete inspected the complete inspector nor his employer makes any neasures described in this Owner's Report. It or any personal injury or property damage or	d of Boiler and Pressure Vessel Infactory Mutual Insurance Co. ponents described in the 12/19/01, and state and taken corrective measures des section XI. y warranty, expressed or implied, continued in the inspector a loss of any kind arising from or or	of e that to the cribed in this oncerning the nor his employer connected with

Form	NA	1503
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. Owner _	F.E.N.O.C.			Date		12-18-01	
76 Couth	(NAME) 1 Main Street — Al	ron OH 443	208	Sheet	. 1	of	1
70 30uu	(ADDRESS)	(1011, OTT 44C	300	Ollect	<u>"</u> .		<u> </u>
. Plant	Beaver Valley	Power Static	on	Unit No.	· ·	1	
	Shippingport, I	PA 15077			01	-001880-000	•
# · · · · · · · · · · · · · · · · · · ·	(ADDRESS)	<u>:</u>	The state of the s	•		ATION P.O. NO., JOB NO.,	
. Work Per	formed By <u>Nuc</u>	lear Constru (NAME)	ction	Type Code	Symbol	Stamp Not A	policable
·	Shippingport, (ADDRESS)	PA 15077		Authorization	on No.	N/A	
	(VDCHESS)		in the state of	Expiration I	Date _		······································
. Identificat	tion of System	Safety Inj	ection (Q1)				
					nda, <u>N</u> /	A Code Cas	9
• • • • • • • • • • • • • • • • • • • •	ble Edition of Section		• • • •				
. Identificat	tion of Componer	nts Repaired	or Replaced	and Replaceme	ents Con	ponents	
				•		Repaired, Replaced,	ASME Code
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Or	Stamped (YES, or NO)
Snubber	Grinnell	9206	N/A	SI-HSS-417		Replaced	No
Snubber	Grinnell	VB-6794B	N/A	SI-HSS-417		Replacement	No
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	on of Work <u>Re</u>	eplaced snub	ber with spa	re for testing/ref	<u>urbishm</u>	ent purposes.	
. Description						•	
. Description							

"-tt- The analyte arms numbered non-	NE componente (n	on-code)	
are available. The snubber was purchased non-	Mr components (i	on codo).	
			· ·
			. :
•	•		
CERTIFICATE OF	COMPLIANCE		
· ·		•	•
We certify that the statements made in the report are cor	rect and this	Replacement Repair Or Replacement	conforms
the rules of the ASME Code Section XI.			•
pe Code Symbol Stampper NPDAP 8.5 *ASME Se	ction XI Repair/Rep	lacement Program"	
	• •		•
ertificate of Authorization No. N/A Expirat	ion Date	N/A	
Owner or Owner's Designee, Title		ember 18	_, 20 <u>01</u>
igned Robert Brookles, Smill Prog Turner Owner or Owner's Designed, Title CERTIFICATE OF INSE			
Owner or Ofwer's Designee, Title) CERTIFICATE OF INSE	ERVICE INSPECTION		
Owner or Ofmer's Designee, Title) CERTIFICATE OF INSI it the undersigned, holding a valid commission issued by the Nati	ERVICE INSPECTION ional Board of Boiler as	l nd Pressure Vessel Inspe	ctors
CERTIFICATE OF INSI I, the undersigned, holding a valid commission issued by the Nati and the State or Province of Pennsylvania and employed	ERVICE INSPECTION ional Board of Boiler as	nd Pressure Vessel Inspe al Insurance Co. o	ctors
CERTIFICATE OF INSI i, the undersigned, holding a valid commission issued by the Nati and the State or Province of Pennsylvania and employed Johnston, R.I. have inspecte Owner's Report during the period 3/26/01	ional Board of Boiler arby Factory Mutus d the components design	nd Pressure Vessel Inspe al Insurance Co. o cribed in the	ctors f
CERTIFICATE OF INSET IN THE CONTROL OF INSET IN THE CO	ional Board of Boiler arby Factory Mutus d the components des to to taken communications and taken components.	nd Pressure Vessel Inspe al Insurance Co. o cribed in the	ctors f
CERTIFICATE OF INSELLATE of Ins	ional Board of Boiler arby Factory Mutus d the components des to to taken communications and taken components.	nd Pressure Vessel Inspe al Insurance Co. o cribed in the	ctors f
CERTIFICATE OF INSE I, the undersigned, holding a valid commission issued by the Nati and the State or Province of Pennsylvania and employed Johnston, R.I. have inspecte Owner's Report during the period Dest of my knowledge and belief, the Owner has performed exam Owner's Report in accordance with the requirements of the ASM	ional Board of Boiler arby Factory Mutual the components design to 12/1/2 ninations and taken contact of the Code, Section XI.	nd Pressure Vessel Inspe al Insurance Co. o cribed in the 19/01, and state the rrective measures describ	ctors f at to the ed in this
CERTIFICATE OF INSI I, the undersigned, holding a valid commission issued by the Nati and the State or Province of Pennsylvania and employed Johnston, R.I. have inspecte Owner's Report during the period 3/2 4/01 best of my knowledge and belief, the Owner has performed exam Owner's Report in accordance with the requirements of the ASM By signing this certificate neither the inspector nor his employer in	ional Board of Boiler are by Factory Mutused the components designations and taken confictions and taken confictions.	nd Pressure Vessel Inspe al Insurance Co. o cribed in the 19/01, and state the rective measures describ	ctors f at to the ed in this
CERTIFICATE OF INSE I, the undersigned, holding a valid commission issued by the National the State or Province of Pennsylvania and employed Johnston, R.I. have inspected and the State or Province of Pennsylvania and employed Johnston, R.I. have inspected best of my knowledge and belief, the Owner has performed exame Owner's Report in accordance with the requirements of the ASM By signing this certificate neither the inspector nor his employer the examinations and corrective measures described in this Owner's	ional Board of Boiler at by Factory Mutus d the components dest to to innations and taken con E Code, Section XI.	nd Pressure Vessel Inspe al Insurance Co. o cribed in the 19/01, and state the rective measures described expressed or implied, concerneither the inspector nor	ctors f at to the ed in this eming the his employer
CERTIFICATE OF INSE I, the undersigned, holding a valid commission issued by the Nati and the State or Province of Pennsylvania and employed Johnston, R.I. have inspecte Owner's Report during the period 3/26/01 best of my knowledge and belief, the Owner has performed exam Owner's Report in accordance with the requirements of the ASM By signing this certificate neither the inspector nor his employer is examinations and corrective measures described in this Owner's shall be liable in any manner for any personal injury or property of	ional Board of Boiler at by Factory Mutus d the components dest to to innations and taken con E Code, Section XI.	nd Pressure Vessel Inspe al Insurance Co. o cribed in the 19/01, and state the rective measures described expressed or implied, concerneither the inspector nor	ctors f at to the ed in this eming the his employer
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CERTIFICATE OF INSE i, the undersigned, holding a valid commission issued by the Nati and the State or Province of Pennsylvania and employed Johnston, R.I. have inspecte Owner's Report during the period best of my knowledge and belief, the Owner has performed exam Owner's Report in accordance with the requirements of the ASM By signing this certificate neither the inspector nor his employer is examinations and corrective measures described in this Owner's shall be liable in any manner for any personal injury or property of this inspection.	ional Board of Boiler at by <u>Factory Mutual</u> difference to <u>12.11</u> ninations and taken con E Code, Section XI. makes any warranty, et a Report. Furthermore, damage or a loss of an economissions	nd Pressure Vessel Inspe al Insurance Co. o cribed in the 19/01, and state the rective measures described expressed or implied, concerneither the inspector nor	ctors f at to the ed in this eming the his employer nected with
CERTIFICATE OF INSE t, the undersigned, holding a valid commission issued by the Nati and the State or Province of Pennsylvania and employed Johnston, R.I. have inspecte Owner's Report during the period best of my knowledge and belief, the Owner has performed exam Owner's Report in accordance with the requirements of the ASM By signing this certificate neither the inspector nor his employer is examinations and corrective measures described in this Owner's shall be liable in any manner for any personal injury or property of this inspection.	ional Board of Boiler at by <u>Factory Mutual</u> difference to <u>12.11</u> ninations and taken con E Code, Section XI. makes any warranty, et a Report. Furthermore, damage or a loss of an economissions	nd Pressure Vessel Insperal Insurance Co	ctors f at to the ed in this eming the his employer nected with

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Form	MO.	1504

: •	(NAME)						
76 South	Main Street - Al (ADDRESS)	cron, OH 443	308	Sheet _	1	of1	
Plant	Beaver Valley	Power Static	on	Unit No.	<u> </u>	1	
	Shippingport, I	PA 15077			01-	001881-000	
	(ADDRESS)		-41			ATION P.O. NO., JOB NO., Stamp Not A	
work Pei	formed By Nuc	(NAME)	CUOII	i ype Code	эушоог	Stamp NotA	opiicabie
	Shippingport, (ADDRESS)	PA 15077	. "	Authorizati			
	,			Expiration	Date _	4 .	<u></u>
		Safety In					<u> </u>
	ble Construction Code ble Edition of Section					Code Case	enter en en en en en en en en en en en en en
Identifica	tion of Componer	-	-	•		ponents	and the second second
•		. B.v.		<u>. •••</u>		Repaired, Replaced,	ASMB Code
Name of omponent	Name of Manufacturer	Manufacturer Serial, No.	National Board No.	Other Identification	Year Buik	Or Replacement	Stamped (YES or NO)
nubber	Grinnell	25907	N/A	SI-HSS-420		Replaced	No
nubber	Grinnell	23522	N/A	SI-HSS-420		Replacement	No
nubber	Grinnell	23521	N/A	SI-HSS-422		Replaced	No
nubber	Grinnell	12180	N/A	SI-HSS-422		Replacement	No
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r Sam Sam				·			
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	•					-	
Dacadat	on of Marks Di	nlocad and	shor with an	era for tasting/	furbish	ant numaces	
vescripti	on of Work <u>Re</u>	epiaceo snut	over with spa	are for testing/re	<u>iuidishM</u>	ent purposes.	
				`			

	ers were purchased non-NF components (non-code).	
		* .
· .·		
	CERTIFICATE OF COMPLIANCE	•
We certify that the statements not the rules of the ASME Code Sec	nade in the report are contest and the	nform
ype Code Symbol Stamppe	r NPDAP 8.5 "ASME Section XI Repair/Replacement Program"	
ertificate of Authorization No.	N/A Expiration DateN/A	
	PAB DISTOI	
signed Kibert Brooks	Sund Prog. Owner Date Dem December 18, 20_	01
		<u></u>
		
	CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid co	ommission issued by the National Board of Boiler and Pressure Vessel Inspectors	in in the second
and the State or Province of Per	ommission issued by the National Board of Boiler and Pressure Vessel Inspectors nnsylvania and employed by <u>Factory Mutual Insurance Co.</u> of	
and the State or Province of Per Johnston, R.I.	ommission issued by the National Board of Boiler and Pressure Vessel Inspectors	
Johnston, R.I. Owner's Report during the period	ommission issued by the National Board of Boiler and Pressure Vessel Inspectors nnsylvania and employed by <u>Factory Mutual Insurance Co.</u> of have inspected the components described in the 3/26/0/ to /2/9/0/, and state that to the	
and the State or Province of Per Johnston, R.I. Owner's Report during the period best of my knowledge and belief, the	ommission issued by the National Board of Boiler and Pressure Vessel Inspectors nnsylvania and employed by <u>Factory Mutual Insurance Co.</u> of have inspected the components described in the	
and the State or Province of	ommission issued by the National Board of Boiler and Pressure Vessel Inspectors nnsylvania and employed by <u>Factory Mutual Insurance Co.</u> of have inspected the components described in the 3/26/0/ to /2//9/0/, and state that to the Owner has performed examinations and taken corrective measures described in this	ie loyer

Form No.	1505

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1.	Owner	F.E.N.O.C.		_ Dat	θ	12-18	I-01	
	76 South M	ain Street - Akro	n, OH 44308	_ She	et <u>1</u>	of	<u> 1</u>	
2.	Plant	Beaver Valley Po	ower Station	Uni	t No.	1		• •
		Shippingport, PA (ADDRESS)	15077	<u> </u>	W.O. # REPAIR ORGANIZA	01-0067		EIC.
3.	Work Perfor	med By <u>BVPS</u>	- Maintenance	тур	e Code Symbol	Stamp	Not As	oplicable
		Shippingport, PA	15077	:	horization No		N/A	
	.,	(ADDRESS)		Ext	piration Date			
1	Identification	of System	River Water (Q	ar in the second				÷ .,•\$
					ión, Addenda,	***	Code Ce	se
J.		Edition of Section XI		- T		1		
6.					placements Com	ponents		
•	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
(Check Valve	TRW-Mission	N/A	N/A	1RW-193	1976•	Replaced	No ~
(Check Valve	C&S Valve	92-2019-03-Q-01	N/A	1RW-193	1992	Replace- ment	No
.	· · · · · · · · · · · · · · · · · · ·				<u> </u>			
						e de la production de la production de la production de la production de la production de la production de la p La production de la production	د. دندند منسوریه	Turkin er Græg egen i
			•			·		
7	Description	of Work Rep	laced valve with	spare.			***	
.••	. maranihaan			·	-			·
		•	· · · · · · · · · · · · · · · · · · ·	٠.				-
8	. Tests Cond	ucted: Hydros Other	•	eumatic 🔲	Nominal Operat Test Temp.			

 $(a_1,a_2) \in \mathbb{R}^{n \times n} \times \mathbb{R}^{n$

to degrad	ation in the river water s	stem. *Year installed. Valve also r	neets ANSI B31.1 73E-73A.
	CI	RTIFICATE OF COMPLIANCE	en en en en en en en en en en en en en e
We certify the	at the statements made in e ASME Code Section XI.		Replacement conforms
pe Code Symi	ool Stamp per NPDAP 8.5	ASME Section XI Repair/Replacement a	nd Repair/Alteration Program*
products March	thorization NoN/A	Expiration Date	N/A
igned SC	Owner or Owner's Designee,		cember 19 , 20 01
	Owner or Owner's Designee,		
		and the second s	
I, the undersigne and the State or	ed, holding a valid commissio	issued by the National Board of Boiler and and employed by Factory Mutual I	nsurance Co of
and the State or	ed, holding a valid commission Province of <u>Pennsylvanionnston, R.I.</u>	issued by the National Board of Boiler and and employed byFactory Mutual IIhave inspected the components descrit	nsurance Co of
owner's Report	ed, holding a valid commission Province of Pennsylvaniohnston, R.I. during the period Medge and belief, the Owner I	issued by the National Board of Boiler and and employed by <u>Factory Mutual I</u> have inspected the components descrit 7/3/0/ to /2/2 as performed examinations and taken corre	nsurance Co or ned in the 1/0/_, and state that to the
owner's Report	ed, holding a valid commission Province of Pennsylvaniohnston, R.I. during the period Medge and belief, the Owner I	issued by the National Board of Boiler and and employed byFactory Mutual IIhave_inspected the components descrit	nsurance Co or ned in the 1/0/_, and state that to the
and the State or Journal of March 1985 Owner's Report By signing this evaminations at	ed, holding a valid commission of Pennsylvanion of Pennsy	issued by the National Board of Boiler and and employed by <u>Factory Mutual I</u> have inspected the components descrit 7/3/0/ to /2/2 as performed examinations and taken corre	nsurance Co of the distribution of the control of the contro