

L. William Pearce Vice President Beaver Valley Power Station P.O. Box 4 Shippingport, PA 15077-0004

> 724-682-5234 Fax: 724-643-8069

February 10, 2005 L-05-030

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

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

This letter forwards the Inservice Inspection (ISI) Ninety-Day report on ASME Class 1, 2, and 3 components examined during the sixteenth refueling outage (1R16) at Beaver Valley Power Station (BVPS) Unit 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 BVPS Unit 1 ended on November 13, 2004.

The Class 1, 2 and 3 examinations are part of Interval 3, Period 2 of the Unit 1 ISI schedule, and were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition.

There are no new regulatory commitments identified in this document. If you have any questions concerning this matter, please contact Mr. Larry R. Freeland, Manager, Regulatory Compliance at 724-682-4284.

Sincerely,

and Allerd

A L. W. Pearce

Attachment

c: Mr. T. G. Colburn, Project Manager Mr. P. C. Cataldo, Sr. Resident Inspector Mr. S. J. Collins, NRC Region I Administrator Mr. J. Payton, Commonwealth of Pennsylvania

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

Outage 16, Year 2004

Inspection Term: 4/27/2003 to 11/13/2004

Issue date: 2-8-05

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

NRC Docket Number: 50-334

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

Prepared by:

Date: 1/28/05

Date: /

Reviewed by: Lelear Programs

Reviewed by:

Approved by:

Date: 2-8-05

Date: 2-2-95

Manager, Technical Services Engineering

90-DAY REPORT TABLE OF CONTENTS

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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 Ope	crating Company, Route 168, Shippingp	ort, PA 1507	7 ·
			(Name and Address of Owner)		
2. Plant	Beaver Vall	ey Power Sta	ation, Route 168, Shippingport, PA 150)7 7	
			(Name and Address of Plant)		· · · · · · · · · · · · · · · · · · ·
3. Plant Unit	<u> </u>	4. Owner	r Certificate of Authorization (if required)	<u>N/A</u>	·
5. Commercial	Service Date	9/30/76	6. National Board Number for Unit	N/A [.]	

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

7. Components Inspected

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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combustion Engineering	69103	105642B	21011
Pressurizer	Westinghouse	1311	434676V	68-50
1A Steam Generator	Westinghouse	1301	434597V	68-45
1B Steam Generator	Westinghouse	1302	434598V	68-46
1C Steam Generator	Westinghouse	1303	434599V	68-47
Reactor Coolant Piping	Southwest Fabricating	N/A	N/A	N/A
Auxiliary Piping	Schneider Power	N/A	N/A	N/A
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 81/2 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

	FORM NIS-1	(Back)	
8. Examination Dates4/27/2	2003 to <u>11/13/2</u>	004	· · · ·
9. Inspection Period Identification:	8/1/2001 to 12/2/2004		
10. Inspection Interval Identification:	9/21/1997 to 3/31/2008		<u></u>
11. Applicable Edition of Section XI	_1989Addenda	None	
12. Date/Revision of Inspection Plan:	1/2-ADM-2039, Revision 1		· ·
	(Code Exams) for exams perform his was the last outage in this per	ned during 1R16. 1R16 was the third field. All examinations have been cor	outage in the 2 nd Period
14. Abstract of Results of Examination	and Tests. See text of summary	y report.	•
15. Abstract of Corrective Measures.	No Corrective measures resultin	ng from NDE ISI examinations were	required in 1R16
We certify that a) the statements m as required by the ASME Code, Section		ne examinations and tests meet the Insp sken conform to the rules of the ASME	
Certificate of Authorization No. (if app Date <u>128(05</u>	licable) N/A Signed FirstEnergy Nuclear O (Owner)	Expiration Date N/A perating Co. By	<i>1</i>
C	ERTIFICATE OF INSERVICE	INSPECTION	
$\frac{Connecticut}{4-27-03}$ to Owner has performed examinations and with the Inspection Plan and as required	Pennsylvania and employed have inspected the components de- //-/3 - 0.4 and sta d tests and taken corrective measured d by the ASME Code, Section XI. e Inspector nor his employer make measures described in this Owner' manner for any personal injury or 0	ed by <u>Hartford Steam Boiler</u> scribed in this Owner's Report during to the that to the best of my knowledge and res described in this Owner's Report in any warranty, expressed or implied, co 's Report. Furthermore, neither the Insp	of the period I belief, the accordance oncerning pector arising 8 %
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OUTAGE SUMMARY

During the Sixteenth Refueling Outage (1R16) at the Beaver Valley Power Station, Unit 1, Inservice Inspection (ISI) examinations were performed on Class 1 and 2 components. This was the third outage in the second period of the third ten year interval. The examinations were based on ASME Section XI, 1989 Edition.

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

1. Four (4) Class 1 exams were performed:

Vessels, Visual Exams - 4

2. Thirteen (13) Class 2 exams were performed:

Piping Welds, Ultrasonic Exams - 13

3. Thirty-six (36) Class 1 and 2 RI-ISI VT-2 exams were performed:

Piping Welds, Visual Exam (VT-2) - 36

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

Pressure Testing

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The Class 1 piping System Leakage Test was performed prior to plant start-up from 1R16. All Class 1 bolted connections were examined during 1R16. Also, Class 2 and 3 system functional and system inservice tests were performed in accordance with 40-month pressure testing requirements.

Deficiency Resolution

There were no recorded ISI NDE deficiencies in 1R16.

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 per Technical Specification requirements.

NIS-2 Forms

Included as Appendix II are the NIS-2 Forms associated with repairs and replacements. Code Case N-416-1 or N-416-2, 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 the Case was implemented and which revision was used.

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APPENDIX I

COMPLETED CODE EXAMINATIONS

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APPENDIX I 1R16 Completed Code Exams

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	COMPONENT ID	CLASS	CATEGORY		DESCRIPTION	NDE_METHOD	ISO_NO *
193100	RC-TK-1-RADIUS-6	1	B-D	B03.120	NOZZLE INSIDE RADIUS	VT-2, , ,	E-001P
186100	RC-E-1B-RADIUS(2H)	1	B-D	B03.140	NOZZLE INSIDE RADIUS	VT-1, , ,	E-001M
186200	RC-E-1B-RADIUS(2C)	1	B-D	B03.140	NOZZLE INSIDE RADIUS	VT-1, , ,	E-001M
162000	RC-R-1-ACC-INT	1	B-N-1	B13.010	INTERIOR	VT-3, , ,	E-001F
598900	SI-1-6-S-02	2	R-A	R01.011	PIPE WELD	UT	0083B
605400	SI-1-4D-S-04	2	R-A	R01.011	PIPE WELD	UT.,,	0083C
598850	SI-1-6-L-40	2	R-A	R01.011	LONG WELD	UT,,,	0083B
598950	SI-1-6-L-39	2	R-A	R01.011	LONG WELD	υτ, , ,	0083B
605320	SI-1-4D-L-01	2	R-A	R01.011	LONG WELD	UT,,,,	0083C
605350	SI-1-4D-L-02	2	R-A	R01.011	LONG WELD	UT,,,	0083C
605420	SI-1-4D-L-03	2	R-A	R01.011	LONG WELD	UT,,,	0083C
757450	RS-25-3N-L-131	2	R-A	R01.011	LONG WELD	UT,,,,	0079B
757500	RS-25-3N-S-04	2	R-A	R01.011	PIPE WELD	UT	0079B
757550	RS-25-3N-L-130	2	R-A	R01.011	LONG WELD	UT,,,	0079B
768450	RS-11-2-L-208	2	R-A	R01.011	LONG WELD	UT,,,,	0081A
768500	RS-11-2-S-03	2	R-A	R01.011	PIPE WELD	UT,,,	0081A
768550	RS-11-2-L-207	2	R-A	R01.011	LONG WELD	UT	0081A
033300	CH-96-9-F-13	1	R-A	R01.012	SOCKET WELD	VT-2, , ,	0246A
036700	CH-97-7-S-07	1	R-A	R01.012	SOCKET WELD	VT-2, , ,	0247A
040000	CH-98-9-S-06	1	R-A	R01.012	SOCKET WELD	VT-2, , ,	0248A
298000	SI-102-2A-F-1A	1	R-A	R01.012	SOCKET WELD	VT-2, , ,	0200A
300300	SI-106-1C-S-02	1	R-A	R01.012	SOCKET WELD	VT-2, , ,	0200B
332300	SI-104-1-F-02	1	R-A	R01.012	SOCKET WELD	VT-2, , ,	0376A
436000	CH-69-1-S-07	2	R-A	R01.012	PIPE WELD	VT-2, , ,	0267A
443800	CH-71-1-S-07	2	R-A	R01,012	PIPE WELD	VT-2, , ,	0267A
397700	SI-82-1-S-01	2	R-A	R01.012	SOCKET WELD	VT-2, , ,	0192A
420100	CH-79-2B-S-07	2	R-A	R01.012	SOCKET WELD	VT-2, , ,	0265A
422700	CH-78-2B-S-06	2	R-A	R01.012	SOCKET WELD	VT-2, , ,	0265A
425200	CH-77-2B-S-05	2	R-A	R01.012	SOCKET WELD	VT-2, , ,	0265A
440000	CH-70-1-F-1X-A	2	R-A	R01.012	SOCKET WELD	VT-2, , ,	0267A
078600	RC-71-9-S-06	1	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0348B
085400	RC-72-4E-S-06	1	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0348D
420200	CH-79-2B-S-10	2	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0265A
422600	CH-78-2B-S-10	2	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0265A
425000	CH-77-2B-S-10	2	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0265A
470350	CH-131-1-F-4X	2	R-A	R01.012	SOCKET WELD	VT-2, , ,	0268A
509200	CH-124-10-F-09B	2	R-A	R01.012	BRANCH CONN. WELD	VT-2, , ,	0273A

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APPENDIX I 1R16 Completed Code Exams ٦ż

0114A	0115A	0360A	0360A	0360A	0360A	0360A	0075A	0075A	0170B	1042A	1254A	1254A	1518A	1538A	1510A	
VT-2, , ,	VT-2, , ,	VT-2, , ,	VT-2, , ,	VT-2, , ,	VT-2,	VT-2, , ,	VT-2, , .	VT-2, , ,	VT-2, , ,	VT-2, , ,	VT-2, , ,	VT-2, , ,	VT-2, , ,	VT-2, , ,	VT-2, , ,	
BRANCH CONN. WELD	BRANCH CONN. WELD	SOCKET WELD	SOCKET WELD	SOCKET WELD	SOCKET WELD	SOCKET WELD	BRANCH CONN. WELD	BRANCH CONN. WELD	SOCKET WELD	SOCKET WELD	SOCKET WELD	SOCKET WELD	SOCKET WELD	SOCKET WELD	SOCKET WELD	
R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	R01.012	
2 R-A										2 R-A						
SI-26-3-S-10	SI-16-3-S-11	SI-37-1-F-19	SI-37-1-F-23	SI-36-1-F-26	SI-36-1-F-29	SI-145-1-F-01	RH-9-1-S-14	RH-12-2-S-09	CH-57-1-S-22	CH-123-1-F-01	CH-149-1-S-22	CH-149-1-S-17	CH-99-1-S-48	CH-100-1-S-42	CH-101-1-S-38	:
630700	635300	648620	648630	648650	648660	648680	707500	709200	913870	913885	914850	916200	929500	929600	929700	

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APPENDIX II

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REPAIR / REPLACEMENT ABSTRACT AND NIS-2 FORMS

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		NIS-2 ABSTRACT	•	
FORM NO.	MARK NUMBER	WORK ORDER NO.	COMMENTS	
1556	RV-1QS-100B	200029417	Corrected	
1588	WR-651	02-010713-000	Replacement	
1589	WR-42	02-010714-000	Replacement	
	1RW-141	11	W	
1590	1VS-E-4B	02-014057-000	Replacement	
1622	RV-1CH-203	200024659	Corrected	
1642	TV-11A-400	02-008296-002	Installed	
*	11A-90-4		Installed	
	1IA-90-1		Installed	
-	11A-90	*	Replacement	
=	ACC-34		Replacement	
	ACC-35		Replacement	
-	ACC-113	-	Replacement	
1686	1PC-108	200022048	Corrected	
1689	MOV-1RC-535	200045735	Installed ·	
1690	WR-649	200043580	Installed	
•	WR-41	-	Installed	
• .	1RW-140	•	Removed	
1697	1RS-E-1A	200072000	Corrected	
1698	1RS-E-1C	200071998	Corrected	
		200066742		
1699	FE-1FW-101A	200015625	Installed	
1700	FE-1CH-130	200091968	Corrected	
1707	1CH-175	200102418	Installed	
1708	1CH-177	200102056	Installed	
1709	1MS-19	200070073	Installed	
1710	1MS-20	200070072 ·	Installed	
1711	NRV-1MS101C	200015445	Corrected	
1712	SV-1MS-101C	200017570	Installed	
1713	SV-1MS-102C	200017597	Installed	
1714 ·	SV-1MS-103C	200017417	Installed	
1715	SV-1MS-104C	200016390	Installed	
1716	SV-1MS-105C	200016415	Installed	
1722	REJ-1RW-25A	200074185	Installed	
1723	REJ-1RW-25B	200014525	Installed	
1724	REJ-1RW-27A	200074189	Installed	
1725	1MS-18	200070163	Installed	
1726	, 1MS-80	200065000	Corrected	
1727	1MS-81	200065001	Corrected	
1728	1MS-82	200065002	Corrected	
1735	HYV-1FW-100A	200015627	Installed	
1736	HYV-1FW-100B	200015586	Installed	
1737	HYV-1FW-100C	200015457	Installed	
1740	RV-1RC-551A	200059462	Installed	
1741	1CH-138	200027095	Corrected	
1743	1RW-811	200013659	Corrected	
1744	REJ-1RW-4A1	200074190	Installed	
1745	1MS-464	200073988	Corrected	

Page 1 of 2

		NIS-2 ABSTRACT	
FORM NO.	MARK NUMBER	WORK ORDER NO.	<u>COMMENTS</u>
1746	1FW-156A	200069902	Corrected
	•	200073924	•
1747	1FW-156B	200069903	Corrected
**	•	200073925	-
1748	1FW-156C	200069887	Corrected
*		200073926	
1751	MOV-1RW-113A	200015380	Installed
1752	MOV-1RW-113B	200015411	Installed
1753	MOV-1RW-113C	200015338	Installed
1754	MOV-1RW-113D1	200017496	Installed
1756	1RW-106	200072006	Corrected
1757	WR-14	200120728	Corrected
1759	FE-1FW-101B	200015446	Installed
1760	FE-1FW-101C	200015455	Installed
1761	1RC-E-1A	200062494	Corrected
1762	1RC-E-1B	200062495 .	Corrected
1763	1RC-E-1C	200062499	Corrected
1772	CC-HSS-021B	200066371	Replacement
1773	RC-PSSP-129	200066374	Replacement
1774	WGCB-PSSP-200A	200066377	Replacement
•	WGCB-PSSP-55E	86	•
1775	WFPD-HSS-229	200066386	Replacement
1776	SHP-HSS-206	200066387	Replacement
	SHP-HSS-211	· •	R
1777 ·	RH-HSS-203	200066389	Replacement
1778	CC-HSS-408	200066390	Replacement
**	RH-HSS-114	· .	*
1779	RS-HSS-209A	200066391	Replacement
•	SI-PSSP-010	. •	**
•	WR-HSS-308	*	•

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FORM 14-ADM-0801.F02 REV 1

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				a sure a sure a				
					Foi	m No.	<u></u>	1556
-	F				S/REPLACEME SME Code Sect		ΓΙVITY	
1.	Owner	First Energy (NAME)		Da	te	10/22	2/2003	
	76 South M	lain Street – Akro (ADDRESS)	on, OH 44308	<u> </u>	eet <u>1</u>	0	<u></u> ۱	1
2.	Plant	Beaver Valley P	ower Station	Uni	it No		1	
	·	Shippingport, P/	15077		Orde	r #2000	29417	•
		(ADDRESS)	· · ·		Repair/Replacement	Organization	n P.O. No., Job N	ło., etc.
З.	Work Perfor	med By <u>FENO</u>	C-Maintenance	Тур	Code Symbol	Stamp		N/A
		Shippingport, PA	15077	Au	horization No.		N/A	
	<u></u>	(ADDRESS)		Exp				
				CV				
4.	Identification	n of System <u>.</u>	Quench Spray	<u>(Q3)</u>				
5.	(b) Applicable	Construction Code Edition of Section X Section XI Code Ca	I Utilized for Repair	s or Replacements	n, <u>W79</u> Ad <u>1989</u>	denda, _	<u>N/A</u> Code (Case
6.	Identification	n of Components		5. 2 (4.1.11)		.•	۰.	· ·
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik*	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
S	Safety/Relief Valve	Dresser	TE97872	N/A	RV-1QS-100B		Corrected	Yes
	Disc	Dresser	ADB45	N/A	N/A	2003 ·	Installed	No

N/A

7. Description of Work <u>Replaced valve disc and nozzle.</u>

Other 🗌

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Dresser

Nozzle

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ADB94

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8. Tests Conducted: Hydrostatic 🗍 Pneumatic 🗌 Nominal Operating Pressure 🛛 Exempt 🗍 Pressure _____ psi Test Temp. _____ Pressure ____ Pressure ____ Pressure ____ Pre

`Ht #714573

2003

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Installed

No

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FORM NIS-2 (Back)

9. Remarks <u>No Code Data Reports available.</u> <u>Previous NIS-2 Data Report No:743. *Year installed.</u> Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
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I certify that the statements made in the report are correct and this conforms to the rules of the ASME Code, Section XI. . 1 · .

Type Code Symbol Stamp <u>N/A</u>

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Certificate of Authorization No.	<u>N/A</u>	Expiration Date	N/A	
Signed <u>Here</u>	Sevior hers Designee, Title	Err. Date	10/22	, 2003

CE	RTIFICATE OF INSERVICE INSPECTION
and the State or Province of <u>Pennsylva</u> Hanford, CT.	ion issued by the National Board of Boiler and Pressure Vessel Inspectors <u>nia</u> and employed by <u>HSB CT</u> of have inspected the components described in the 3 - 23 - 03 to $20 - 27 - 93$, and state that to the
best of my knowledge and belief, the Owner	r has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requ	irements of the ASME Code, Section XI.
examinations and corrective measures desc	tor nor his employer makes any warranty, expressed or implied, concerning the cribed in this Owner's Report. Furthermore, neither the inspector nor his employer nal injury or property damage or a loss of any kind arising from or connected with
Jean S. Mights inspector's Signature	Commissions I, J, PA2374 National Board, State, Province, and Endorsements
Date 10-27-	, ₂₀ 0.3

FORM 12-ADM-0801.F02 REV 0

* RTL # A4.414-A

		F	form No	1588
	FORM NIS-2 OWNER'S REPORT FOR R As Required by the Provisions of t			S
1.	Owner <u>F.E.N.O.C.</u>	Date	07/21/0	03
	76 South Main Street – Akron, OH 44308 (ADORESS)	Sheet	<u>1</u> of	<u> </u>
2.	Plant Beaver Valley Power Station	Unit No.	<u> </u>	······································
	Shippingport, PA 15077	W.O	. #02-01071	
3.	Work Performed By			
	Shippingport, PA 15077	Authorization No.	• • •	<u>N/A</u>
	(ADDRESS)	Expiration Date	<u> </u>	44
Δ	Identification of SystemRiver Water (Q3)			
••			· · · · · · · · · · · · · · · · · · ·	
5.	(a) Applicable Construction Code ANSI B31.1 19 67	Edition,S71 Adder	nda, <u>N</u>	A Code Case

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

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Maoufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Piping	Stone & Webster	N/A	N/A	WR-651	1976	Replace- ment	No
:		•	e 1947 - Anne Maria	· , · .			• •
•	•		in that	• •			
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			•				· .

7. Description of Work <u>Replaced pipe and fittings</u>.

Other 🗌

8. Tests Conducted: Hydrostatic

Pneumatic Pressure _____ psi

Nominal Operating Pressure

Test Temp. _____ °F

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RTL # A4.414-A

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FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Replacement in accordance with Code Case N416-1.

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CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this to the rules of the ASME Code Section XI. Type Code Symbol Stamp _N/A	Replacement conforms Repair Or, Replacement
Certificate of Authorization No. <u>N/A</u> Expiration Date Signed <u>Authorization No. N/A</u> Expiration Date Owner or Owner's Designee, Title	NA, 203
I, the undersigned, holding a valid commission issued by the National Board of Boiler and and the State or Province of <u>Pennsylvanla</u> and employed by <u>HSB CT</u> <u>Hartford, CT</u> have inspected the components descrit Owner's Report during the period <u>$4-28-03$</u> to <u>$7-235$</u> best of my knowledge and belief, the Owner has performed examinations and taken correct Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expression and corrective measures described in this Owner's Report. Furthermore, ne shall be liable in any manner for any personal injury or property damage or a loss of any kit this inspection. Date <u>7-255-</u> , 20 <u>03</u>	of $= 03_{,}$ and state that to the ctive measures described in this essed or implied, concerning the ither the inspector nor his employer and arising from or connected with

FORM 1/2-ADM-0801.F02 REV 0

RTL # A4.414-A

•	Form No. <u>1589</u>
FORM NIS-2 OWNER'S REPORT FO As Required by the Provisions	
1. Owner F.E.N.O.C.	Date 07/21/03
76 South Main Street – Akron, OH 44308 (ADDRESS)	Sheet 0f
2. Plant <u>Beaver Valley Power Station</u> (NAME) Shippingport, PA 15077 (ADDRESS)	Unit No. <u>1</u> <u>W.O. #02-010714-000</u> REPAIRI ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By <u>FENOC-Maint. Services</u> (NAME) Shippingport, PA 15077 (ADORESS)	Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date "
4. Identification of System <u>River Water (Q3)</u>	

 5. (a) Applicable Construction Code
 ANSI B31.1
 19
 67
 Edition, S71 Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	¹ National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Piping	Stone & Webster	N/A	N/A	WR-42	1976	Replace- ment	No
Gate Valve	Crane	N/A	N/A	· 1RW-141	1976	Replaced	No
Ball Valve	Contromatics	85-332-17-2		1RW-141	2003	Replace- ment	No
			\$				
					f.,		

7. Description of Work _____Replaced valve, pipe and fittings.

8. Tests Conducted:

Hydrostatic Pneumatic Other Pressure _____ psi

Nominal Operating Pressure

Test Temp. _____ °F

RTL # A4.414-A

FORM NIS-2 (Back)

9. Remarks No Code Data Reports available. Replacement in accordance with Code Case N-416-1.

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI. Repair Or Replacement Type Code Symbol Stamp N/A Certificate of Authorization No. N/A N/A **Expiration Date** July 21 Signed Date 20 03 da Designee Title

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in the Owner's Report during the period <u>4/-28-03</u> to <u>7-25-03</u>, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

De	on S. highity Inspectors Signature		î Commissions	IB 9428 ANEB National Board, State, Province, a	AL384 Ind Endorsements
Date	7-25-	, 20 03			

FORM 1/2-ADM-0801.F02 REV 0

RTL # A4.414-A

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	2	•	•	2	2	•

Form No. _____1590

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

	· ·					*	
1.	Owner _	F.E.N.O.C. (NAME)	<u> </u>	Date		07/21/03	
	76 South	n Main Street – Akron, OH 44308 (ADDRESS)	·····	Sheet	1	of	<u>1</u>
2.	Plant	Beaver Valley Power Station	·····	Unit No.		1	
		Shippingport, PA 15077 (ADDRESS)	5 <u>9</u> 1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			2 <u>-014057-000</u> DN P.O. NO., JOB NO	, ETC.
}.	Work Pe	formed By <u>FENOC-Maint. Servic</u>	es	Type Code S	ymbol St	amp	N/A
	<u> </u>	Shippingport, PA 15077 (ADDRESS)	•	Authorization	No	N/A	
			se dater	Expiration Da	ate	•4	
! .	Identifica	tion of SystemVentilation/Rive	er Wate <u>r (</u> C	(3)	•		•

5. (a) Applicable Construction Code <u>Section VIII</u> 19_71 Edition, <u>S'72</u> Addenda, <u>N/A</u> Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989</u>

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Composent	Name of Manufacturer	Maoufacturer Serial No.	National Board No.	Other Lientification	Yesr Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Heat Exchanger	York	1-2239	46531	1VS-E-4B	1972	Replace- ment	No
End Bell	York	N/A	N/A	N/A	2003	Replace- ment	No
			ont equival and	`			
			f				
		·····	-				

7. Description of Work _____Replaced heat exchanger end bells.

8. Tests Conducted:

Hydrostatic Pneumatic Other Pressure psi

Nominal Operating Pressure

Test Temp. _____ °F

FORM NIS-2 (Back)

9. Remarks U-1 Data Report attached. The tube section of the heat exchanger was exempt to ASME

Section VIII and was made to commercial grade. Previous NIS-2 Data Report Nos:1086, 348, 196.

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI. Repair Or Replacement Type Code Symbol Stamp N/A Certificate of Authorization No. N/A **Expiration Date** N/A Signed Date July 21 20 03 wher's Designee, Tit CERTIFICATE OF INSERVICE INSPECTION

best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

De	an J. Zujik	<u></u>	Commissions NB9418AJIB National Board, State, Province, an	
Date _	7-25	, 20 <u>03</u>		

•		·		•	••••	
			H. H. 446931		· · ·	1541
• • • • •	FORM U-1 MÁN	UFACTURERS* DA	ATA REPORT FOR	PRESSURE VE	SSELS	F6-20-K
•	A Fred by th	e Provisions of the	ASME Code Rules,	Section VIII, Div	rision I	; -
1 Manufactured by Y						A. 2
•		(Name and	address of Manufactu	rer)	-	
2. Manufactured for	BEAVER VALL	EY POWER STAT	10N, SHIPPING	PORT, PENNS	YLYANIA	· · · ·
Horiz.	und Ht.Exch	Vanie a	nu suares in surchas	···/	nt No. 46531	Yr. Bull 1972
3. Type Horiz.	(lank, Jacketed	Heat Each.)	(Mire.Serial) (Sta	te & State No.)	. Bu. Ho	_ 11. nunt <u></u>
					heat exchangers.	2011
4. SHI I.I. Material (Kin	SA-53-B	60,000	Thickness 10	n. Allowance In	. Diam1?1.	CongthZ VitIn.
s state the Se	amless	ner No i u	+ No i e	NO	001	Il riveted de-
5 SLAMS Long Se (Weld	ed, Dhl., Single, Lap, Butt	(Yes or No)"	(Spot or Complete)	(Yes or Ne)	• " fully on re- verse side of
						form.
6. III ADS fat Material_ Festation	Crow) Thickness Radiu	n Knuckle E	(h) Material liptical Conical	. Ilemispherical	Flat Si	S
					Diameter (Con	ves or Concave)
(6)						
. If removable, bolty us	ed (Material, Spec. No.	T.S., Sire, Number)	Other fastening	(Describe or Ati	ach Sketch)	
	•		`	x	Diam	· ·
7. STAYBOLTS	erlal) ! (Size of	110le) 1 (Th	readed, Welded)	(Horiz.) (V	(ert.) ()	(lanimot
8. JACKI T CLOSURI:	(Describe as ope	re & weid, has, etc. If	bar, give dimensions, il			
9. Constructed for max.		050 411	Min. Temp.(when	Pheumat	W III Test	
Itenis 10 and 11 to be co		nav. temp. 2017;	- less than -2(1)		(DR(R)) '/css	<u> 375 pri.</u>
10. TUBE SHEETS: State			5-3/AN Thickness		Woldod	
	onary. Material	City and the state of the state	، در ۱۹۱۰ ۱۰، ۱۹۱۱ ۱۰، الماليكي	Lin. Atlachme		a cara a a a a a a a a a a a a a a a a a
	(Kind &	Spec. No.) (Subject)	in fressure)		(Welded, 1	offed)
	(Kind & tine: Material Steel SA-24101 & Steel 0.103 d & Spec. No.)	Spec. No.) (Subject) Diam TPC_304) 24In. Thickness mhers of jacketed vess	In Tressure) In. Thickness Indiana India I	In. Attachme Number15 Lexchangers.	(Welded, 1	offed)
Floa Stainles 11. 1UHLS: Material (Kin Items 12: 15 mst. to be c	(Kind & ting: Material SA-2494 & Steel 0.10. 3 d & Spec. No. 1 completed for inner cha	Spec. No.) (Subject 1 Diam TPC-304 /4In. Thickness mhers of jacketed vess Nominal	In Tressure) In Thickness . In Thicknes . In Thickness . In Thickness . In Thickn	In. Attachme Number15 texchangers.	(Welded, 14 ntS D TypeS (Str	traight
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	N. B. #46531
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• .	en en falle de la Brene Brene en
NINGS: Head	iles, No. <u>1997 Size 1999</u> Location
Three	ales, No
PORTS: Skin	(Yes or No) Lugs (Number) Legs (Number) Citer (Number)
	16" x 7' Condenser - Refrigerant (Non-corrosive_Service)
	Tube section code exempt U-1(d)(2)
	4" conn - veld end
	Hydrostatic:test_450_psi_before_tubing
	SA-249_material_conforms_to_UG-9
Constructe	1 under the provisions of 116-90 (c)(2)
(Drief de s	tunder the provisions of UG-90 (c)(2) relation of purpose of the vessel, as AlerTank, After Cooler, Jackated Cooker, etc. State curteries of each part.)
certify that the	statements made in this report are correct and that all details of design, material construction, and workgranship
vessel conform	to the ASME Code for Pressure Vessels, Section VIII, Division I, YORK DIVISION BORG-WARNER CORP.
August 7	1972 Signed YORK, PENNA. In The Engineering Dept., Heat Exc
	thurization No
rtificate of Au	horization No Expires Evolution No
	.6.611 * Kuft *
	FINERAL CERTIFICATE OF SHOP INSPECTION
VESSEL MAD	E BY YORK DIVISION BORG-WARNER CORPORATION, YORK, PENNA U.S.A.
I, the under	reliated, holding a ville commission issued by the National Board of Boiler and Pressure Vessel taspectors and/or province Pennsylvaniand employed by Hartford Steam Boiler Insp. & Ins. Co
Hartf	ord. Connecticut have imported the pressure vessel described in this manufacturer's
date soport. D	May 16 "1972, and state that to the best of my knowledge and bellet, the manufac- structed this pressure vessel in accordance with the applicable sections of the ASME Boller and Pressure Vessel
Code.	airucted this pressure vessel in accordance with the applicable sections of the ASME Bollet and Pressure Vessel
By signing pressure ves	this certificate melther the Inspector nor his employer makes any warranty, expressed or implied, concerning the tel described in this manufacturer's data report. Purthermore, meither the Inspector nor his employer shall be liable
in my mann	r for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date	<u>ugust 7</u> 19 72
0	Natl, Bd Comm. 13695
	Inspectors Signature Commissions Nat'l Board, State, Province and No.
• • • • •	
• • • • •	CERTIFICATE OF FIELD ASSEMBLY INSPECTION
I, the under the State or 1	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesset Inspectors and/or Province and employed by of
the didie bit	The statements in this manufacturer's data report
with the desc	ribed pressure respet and state that parts referred to as data items
	In the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief were has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME
the manufact	essure Vessel Code. The described vessel was inspected and subjected to a hydrostatic test of psi.
the manufact	
the manufact Boller and P	this certificate neither the inspector nor his employee makes any warranty, expressed or implied, concerning the
the manufact Boiler and P By algaing pressure yes	this certificate aeither the Inspector nor his employer makes any warranty, expressed or implied, concerning the sel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable
the manufact Boller and P By algalat pressure yes in any manu	this certificate aeither the Inspector nor his employer makes any warranty, expressed or implied, concerning the set described in this manufacturer's data report. Furthermore, aeither the Inspector nor his employer shall be liable or for any personal lajury or property damage or a loss of any kind arising from or connected with this inspection.
the manufact Boller and P By signing pressure ves	el described in this manufacturer's data report. Furthermore, neither the inspector nor his employer shall be liable of for may personal injury or property damage or a loss of any kind arising from or connected with this inspection.
the manufact By signing pressure yes in any mann Dete	sel described in this manufacturer's data report. Furthermore, neither the inspector nor his employer shall be liable or for any personal lajury or property damage or a loss of any kind arising from or connected with this inspection.

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FORM 1/2-ADM-0801.F02 REV 2

RTL # A4.414-A

		Form N	lo	1622
FORM NIS-2 OWNER'S REPORT FOR R As Required by the Provisions of				
1. Owner <u>F.E.N.O.C.</u> (NAME)	Date	12	2/16/2004	
76 South Main Street – Akron, OH 44308 (ADDRESS)	Sheet	<u> 1 · </u>	_of	. 1 .
2. Plant Beaver Valley Power Station	Unit No.	<u></u>	1	······
Route 168 - Shippingport, PA 15077	. Repair/R	Order #2	00024659 ization P.O. No., J	ob No., elc.
3. Work Performed By <u>BVPS-Maintenance</u>				· ·
Route 168 - Shippingport, PA 15077	Authorization	n No	N/A	
(ADDRESS)	Expiration Da	ale 🕂	<u>N/A</u>	
4. Identification of System <u>Chemical and Volume (</u>	Control (Q2)			
5. (a) Applicable Construction Code <u>Section VIII</u> 1	968 Edition, A	ddenda,	Code	Case

1 10 1 1 - Const.

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

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, . or Installed	ASME Code Stamped (Yes or No)
Relief Valve	Crosby	61680-003	N/A	RV-1CH-203	1990	Corrected	No
Nozzle	Anderson Greenwood Crosby	N94955-70-0096	N/A	Ht #9K425	2001	Installed	No
Disc Insert	Anderson Greenwood Crosby	N94984-59-0078	N/A	Ht. #A3QV	2002	Installed	No
Spindle Assy.	Crosby	K55173-64-012	N/A	Ht. #40912	1993	Installed	No
			•				

7. Description of Work _____Overhauled spare valve by replacing disc insert, nozzle, and spindle assembly.

Other 🔲 🛛 Pressure

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗋 Nominal Operating Pressure 🗍 Exempt 🛛 psi Test Temp.

°F

*Record test pressure and temperature

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FORM NIS-2 (Back)

9.	Remarks	Previous NIS-2 Data Report Nos: 1554, 1016, 768, 757, 445, 318, and 164. Spare valve	
		Applicable Manufacturer's Data Reports to be attached	
	was be	ench set point checked. In Service Leakage Test will be performed when installed into plant	

CERTIFICATE OF	COMPLIANCE
I certify that the statements made in the report are correc Code, Section XI.	t and that this conforms to the requirements of the ASME $\frac{1}{3}$
Type Code Symbol Stamp	N/A
Certificate of Authorization No. <u>N/A</u> Expiration	on Date N/A
Signed Service Specialis	Date January 18, 205

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period $4/-26-13$ to $1/-19-55$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
<u>Jean J. hynik</u> Commissions <u>I</u> , <u>J</u> , <u>P</u> <u>A</u> <u>2389</u> Inspectors Bonature Commissions <u>I</u> , <u>N</u> <u>A</u> <u>2389</u> National Board, State, Province, and Endorsements Date <u>1-18-</u> , 20 <u>05</u>

FORM %-ADM-0801.F02 REV 1

RTL # A4.414-A

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Form No. 1642 FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI FENOC August 15, 2003 Date 1. Owner (NAME) 412 N.S.N. 76 South Main Street - Akron, OH 44308 Sheet 2 1 of (ADDRESS) 54.C. - 1 2. Plant **Beaver Valley Power Station** Unit No. (NAME) Shippingport, PA 15077 W.O. No. 02-008296-002 Repair/Replacement Organization P.O. No., Job No., etc. (ADDRESS) • .•• . Type Code Symbol Stamp 3. Work Performed By <u>BVPS Construction</u> N/A (NAME) Shippingport, PA. 15077 Authorization No. N/A (ADDRESS) Expiration Date N/A Unit #1 Containment Instrument Air (System 34) 4. Identification of System 5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, <u>S 1971</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addendum (c) Applicable Section XI Code Case(s) N-416-1 NACES OF LESS 6. Identification of Components ASME Corrected, Removed. Code : : : : Other Stamped Name of Name of Manufacturer National Year Built DE Manufacturer Serial No. Board Identification installed (Yes or No) Component No. TV-11A-400 Trip Valve SPX Valves 0220-97399-1-1 N/A 2003 Installed No 120 (1/4 Turn and Controls Butterfly) · 14 N/A Installed Gate Valve Velan 001025-4 11A-90-4 2001 Yes **Gate Valve** Velan 001025-6 N/A 1IA-90-1 2001 Installed Yes Gate Valve Velan 1 001025-5 N/A 1IA-90 2001 Replacement Yes Gate Valve William N/A N/A 11A-90 N/A Removed No Powell Co. Piping **BVPS** N/A N/A 2-ACC-34-151-Q2 2003 Replacement No **BVPS** N/A N/A 2003 Replacement No Piping 2-ACC-35-151-Q2 Pipina' **BVPS** N/A N/A 2-ACC-113-151-Q2 2003 Replacement No

7. Description of Work:

Modify piping and valves as part of ECP 02-0079 to eliminate the Containment Instrument Air Compressors, located inside Containment. They will be replaced by cross-connecting the Station Instrument Air System to the loads in containment via this modification to provide a more reliable system.

8. Tests Conducted: Hydrostatic 🗌 Pneumatic 🗌 Nominal Operating Pressure 🛛 Exempt 🗍

Other \square

Pressure psi

Test Temp.

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FORM NIS-2 (Back)

9. Remarks: <u>No Code Data Reports available</u>. <u>ASME Code Case N-416-1 was utilized for performance and system leakage test in lieu of the hydrostatic pressure test.</u> Applicable Manufacture's Data Reports to be attached

CERTIFICATE OF COMPLIANCE
I 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 <u>N/A</u>
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed: <u>Michael A. Gerardi</u> <u>Muhan</u> <u>August 15, 2003</u> , 20 <u>04</u>
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT.</u> have inspected the components described in the
Owner's Report during the period 10/7/01 to 4/26/03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Dear J. Nymb Commissions IN A2384 National Board, State, Province, and Endorsements
Date $3-26-$, 20 04

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s Required by	y the Provision	ns of the ASM	B Code, Section	III, Division
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fanufactured and	certified by		WARD AVE, MONTREAL. O	UEBEC CANADA H4M1T
		-	of N Certificate Holder)	
anutactured for	FRAMATOME TECHNOL	OGIES 3315-A OLD (name and addre	FORBST_RD.LYNCHBUR	G, VA. USA 24501
ocation of inst	allion	(Unite and address N/		
· · · · · · ·	······································	(name and addre	a)	· · · ·
Iodel No., Serie	s No., or Type: <u>GA</u>	TE Drawing	P1-76800-N21 Rev _	<u>H</u> CRN N/λ
SVE Code Section	on III, Division 1	: 1989	NONE 1	N/A
SAR COUR, SECLIC	JU III, DIVIBIOU I	(edition)	(addenda date) (clas	
	VALVE Nominal	·····	Outlet size	
		(in.)	(is.)	
aterial: Body, S	3A-182,F316 Bonne		Disk <u>SA-351, CF8M</u>	Bolting SA-194
				SA-564, 630H1100
(a)	`(b)	(c)	(b)	(e)
Cert.	Nat'l	Body	Bonnet	Disk
Holder's erial No.	Board	Serial No.	Serial	Serial No.
erial No.	No.	NO.	No.	NO.
011025-1	N/A	H/C:CCB	H/C: BVT	H/C: 62H
011025-2	·	CCE	BVT	<u>62H</u>
011025-3		CCB	BVT	<u> </u>
011025-4		CCB	BVT	<u> </u>
<u>011025-5</u> 011025-6	<u> </u>	CCB	BVT	<u> </u>
011025-7	<u> </u>	CCB	BVT	62H
011025-8		CCB .	BVT	62H
011025-9		CCE	BVT	<u>62H</u>
011025-10	<u></u>	CCB	BVT	62H
	·	<u>三方岩</u>		<u> </u>
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3 11-18-01 DICE 4 OF 28 l

1642

FORM NPV-1	(Back	- Pg.	2 of)	
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Certificate Holder's Serial No. 011025

PAGE \$ OF 28

<u>,</u>,

8. Design conditions <u>1920</u> psi <u>100</u> (pressure) 9. Cold working pressure <u>1920</u> psi at	(temperature)
10. Hydrostatic test 3000 psi. Disk differ	ential test pressure2200 psi
11. Remarks: <u>MATERIALS MEET ASME SECTION II BI</u>	DITION: 1989 ADDENDA: NONE
· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE O	P DESIGN
Design Specification certified by <u>M.LAVIGNB</u> Design report certified by <u>S. ISBITSKY</u>	

			CERTIFICATE OF COM	PLIANCE	_
valve co	nforms to the	rules for	-	Are correct and that this pump or ASME Code, Section III, Division 1. Expires APRIL 20, 2004	
Date	OCT 1 1 01	_ Name	VBLAN INC. (N Certificate Holder)	Signed	

CERTIFICATE OF INSPECTION
T, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>QUEBEC</u> and employed by <u>REGIE DU BATIMENT</u> of <u>QUEBEC</u> have inspected the pump, or valve, described in this Data Report on <u>$0/1/0/1/6$</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the SMB Code, Section III, Division 1.
by signing this certificate, neither the inspector nor his employer makes any warrenty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury for property damage or a loss of any kind arising from or connected with this inspection.
ate <u>01/10/16</u> signed <u>Burr Beaclette</u> Commissions <u>OUBBEC R02</u> FRA-ANN (Authorized Inspector) (Nat'L Bd. (incl. endorsments) and OP SI ID
state or prov. and no.) OP SUP
PBG
) For manually operated values only. <i>H B</i> 11-8-01

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RTL # A4.414-A

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Form No. <u>1686</u>

Installed

No

2004

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

								كعيدية بالمعداد
1. Owner	F.E.N.O.C.		•	Date	·	12/16	/2004	
76 South M	<u>fain Street – Akr</u> (ADDRESS)	on, OH 44308		Sheet	1	of	f	1
2. Plant	Beaver Valley F	ower Station		Unit No.			1	
	Route 168 - Shi (ADDRESS)	ppingport, PA	15077	Re	Orde pair/Replacement	r #2000 Organization		io., etc.
3. Work Perfor	med By <u>BVPS</u>	Maintenance		Туре`Со	de Symbol	Stamp		N/A
<u></u>	Route 168 - Shi (ADDRESS)	ppingport, PA						
				Expiratio	n Date		<u>N/A</u>	
4. Identification	n of System	Fuel Pool Co	oling (Q3)		······		• 	, .
5. (a) Applicable	Construction Code	ANSI B	<u>31.1 196</u>	7 Edition,	S'71 Addenda	3,`	N/A Code C	Case
(b) Applicable	e Edition of Section 3	(I I lititized for Dena	ir/Peoloomeo	Activity	1080			•
			innepiacemen		1303			
(c) Applicable	e Section XI Code C	ase(s): <u>N/A</u>	· · · .		:			
6. Identificatio	n of Components		ويترون والمروان					
	r	· · · · · · · · · · · · · · · · · · ·			·	· · · ·	Corrected.	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Bo No.		Other dentification	Year Buik*	Removed, or Installed	Code Stamped (Yes or No)
Check Valve	Pacific		N/A	. 1	PC-108	1976	Corrected	No

۰°-,

N/A

.

N/A

7. Description of Work <u>Replaced hinge pin plugs</u>

Pacific

8. Tests Conducted:

Plug

 Hydrostatic* □
 Pneumatic* □
 Nominal Operating Pressure ⊠
 Exempt □

 Other □
 Pressure ______ psi
 Test Temp. ______ °F

Ht. #EWH

*Record lest pressure and temperature

. 1

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FORM NIS-2 (Back)

9. Remarks <u>No Code Data Reports available</u>. *year installed. Applicable Manufacturer's Data Reports to be attached

_____.

CERTIFICATE OF COM	IPLIANCE
I certify that the statements made in the report are correct and Code, Section XI.	hat this conforms to the requirements of the ASME
Type Code Symbol Stamp	<u>N/A</u> ·
Certificate of Authorization No. <u>N/A</u> Expiration Da	teN/A
Signed <u>AUCES</u> <u>Sevier</u> <u>Specialist</u> C Owner or Owner's Designee, Title	Date December 16 20 04

CERTIFI	CATE OF INSER	VICE IN	SPECTION		
I, the undersigned, holding a valid commission iss and the State or Province of <u>Pennsylvania</u> Hartford, CT	and employed by have inspected the	HSB he compo	BCT	of ed in this	
Owner's Report during the period	1-26-03	to	12-22	- Ø4, and state that t	lo the
best of my knowledge and belief, the Owner has p	performed examination	ations and	d taken correct	ive measures described i	in this
Owner's Report in accordance with the requireme	ents of the ASME C	ode, Sec	tion XI.		
examinations and corrective measures described shall be liable in any manner for any personal inju this inspection.		•	-	•	
Jean I. hignik	Com	missiqns	I, N. National Board	PA2384 I, State, Province, and Endorsem	ients
Date <u>12-22-</u> , 20	94				

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FORM %-ADM-0801.F02 REV 2

17

RTL	#	A4	.41	4-A
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	F.E.N.O.C.		Da	ate	12/15	/2004	· ·
76 South N	<u>Main Street – Akn</u> (ADORESS)	on, OH 44308	Sł	neet1	o	f	1
. Plant	Beaver Valley P	ower Station	Ur	nit No.		1	
	Route 168 - Shi	opingport, PA 15	5077	Orde Repair/Replacement	r #2000	45735	
3. Work Perfo	(ADDRESS)	-Construction Se	<u>rvices</u> Ty	pe,Code Symbol	. · .		
	Route 168 - Shi	ppingport, PA 15	5077 AL	thorization No	·	<u>N/A</u>	
	(ADDRESS)		_{etern} _{be} i Ex	piration Date		N/A	
I. Identificatio	n of Svistem	Reactor Coola	nt (Q1)			•	•••
		÷		· · · · · · · · · · · · · · · · · · ·	• .		
			•	ition, <u> </u>		Code Ca	ase
	e Edition of Section) e Section XI Code Ca	•		1909			· .
•	n of Components	•	. 1 * * * *				
		•			· · ·	·	·
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buih	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Gate Valve	Velan		N/A	MOV-IRC-535	 .	Removed	No
Gate Valve	Velan		N/A	MOV-1RC-535	2004	Installed	·No
			alista andra di Maria		· .		
		•				-	
			•••.••				
	·····	· ·	· · ·		L	· · · · · · · · · · · · · · · · · · ·	• • • •
			:		-	-	
7. Description	of Work <u>Repl</u>	aced valve with	spare.	<u> </u>		·	

11

FORM NIS-2 (Back)

9. Remarks <u>No Code Data Report available</u>. <u>Original valve also designed to MSS-SP-66A</u>. <u>New valve</u> Applicable Manufacturer's Data Reports to be attached <u>Designed to ANSI B31.1 67E and ANSI B16.34</u>.

CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. \mathbf{x}
Type Code Symbol Stamp N/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>Swie-Special-IST</u> Date <u>January 11</u> , 20 <u>05</u>
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period $4-26-83$ to $1-12-85$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Dean J. Signike Commissions <u>I, N. PA2384</u> Inspector's Solnature Commissions <u>I, N. PA2384</u> National Board, State, Province, and Endorsements
Date 1-12- , 20 105

FORM 1/2-ADM-0801.F02 REV 2

RTL # A4.414-A

		:	er de la Solo				
•				F	orm No.		1690
F			· •	IRS/REPLACEM			
1. Owner	F.E.N.O.C.		<u></u>	Date	12/17	/2004	
	•			Sheet1			1
2. Plant	Beaver Valley P		<u></u>	Jnit No	<u> </u>	1	
	Route 168 - Shi (ADDRESS)	ppingport, PA 15	5077	Ord Repar/Replaceme	er #2000)43580 n P.O. No., Job N	o., etc.
3. Work Perfor	med By <u>BVPS</u>	-Construction Se	• •	ype Code Symbo		<i>,</i> `	N/A
<u></u>	Route 168 - Shi	ppingport, PA 15	<u>5077</u> A	uthorization No.	, 	N/À	···
	ر		e de E	Expiration Date		N/A	· .:
4. Identification	n of System	River Water (Q	(3)		<u> </u>	· · · · ·	
, (b) Applicable (c) Applicable	Edition of Section >	(I Utilized for Repair/ ase(s): <u>N-416-2</u>	Replacement Ac	<u>967</u> Edition, <u>S</u> ctivity <u>1989</u>	71 Addend	la, <u>N/A</u>	Code Case
		•	<u>.</u>				<u></u>
Name of Component	Name of Manufacturer	Manufacturer Scrial No.	National Board No.	Other Identification	Year Buik	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Pipe	FENOC	N/A	N/A	WR-649	2004	Installed	No
Pipe	FENOC	N/A	N/A	WR-41	2004	Installed	No
Gate Valve	Crane		N/A	1RW-140	1976	Removed	No
							•
				£	· ·	<u> </u>	
			•	<u>۶</u>	/	<u></u>	

7. Description of Work _______ Replaced pipe/fittings on pipelines WR-41 & WR-649, eliminated valve 1RW-140.____

Other

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗌 Nominal Operating Pressure 🛛 Exempt 🗍 Test Temp. _____ °F Pressure _____ psi

"Record lest pressure and temperature

. ...

FORM NIS-2 (Back)

9. Remarks <u>No Code Data Reports available</u>. <u>Replaced: 3" NPS Pipe Ht. # A41651; 3" Flange(s) Ht.</u> Applicable Manufacturer's Data Reports to be attached #A22/2, Ht. #A24; 4" Pipe Ht. #N07061; 4" x 3" Reducer(s) Ht. # 188WNB-1, Ht. #188WNB-2; 3"

Elbow(s) Ht. #H497AC, Ht. #PBJ202F; 4" x 3" Reducer(s) Ht. #710UNC-2, Ht. #710UNC-3;

CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>Signed Owner's Designee, Title</u> Date <u>December</u> 17, 20 04
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this
Owner's Report during the period $\cancel{y-2b-\cancel{y}3}$ to $\cancel{z-22-\cancel{y}y}$, and state that to thebest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in thisOwner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Jean J. Signature Commissions <u>E, N, PAJ384</u> National Board, State, Province, and Endorsements
Date $/2 - 22 = 20 \text{ BV}$

FORM 1/2-ADM-0801.F02 REV 2

RTL # A4.414-A

FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI	÷
1. OwnerF.E.N.O.C Date01/10/2005	
76 South Main Street – Akron, OH 44308 Sheet 1 of 1	
Plant <u>Beaver Valley Power Station</u> Unit No. <u>1</u>	
ADDRESS) ADDRESS Order #200072000 Repair/Replacement Organization P.O. No., Job No., etc.	
. Work Performed By <u>FENOC-Construction Serv.</u> Type Code Symbol Stamp <u>N/A</u>	
Authorization No. <u>'N.A</u> (ADDRESS) Expiration Date	
Identification of System Recirculation Spray (Class C)	
(a) Applicable Construction Code Section #1 1968 Edition, W'68 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity1989	
(c) Applicable Section XI Code Case(s): <u>N/A</u> Identification of Components	
Corrected, ASMI	
Name of Component Name of Manufacturer Manufacturer National Board Other Year Removed, or Code Stamp Identification Code	ed
leat Exchanger Industrial Processes 6301-1 3179. IRS-E-1A 1971 Corrected Yes	S

.....

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

Other 🗌 Pressure <u>---</u> psi

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗋 Nominal Operating Pressure 🛛 Exempt 🗍

Test Temp. ____

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FORM NIS-2 (Back)

9. Remarks <u>Previous NIS-2 Data Report Nos: 1577, 1417, 1251, 945, 854, 697, 595, 557, 435, and</u> Applicable Manufacturer's Data Reports to be attached 295. Copy of original Code Data Report in NIS-2 Report No. 1577. Lower flange was repaired to

correct a grinder gouge mark.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp N/A N/A N/A Expiration Date Certificate of Authorization No. Specialist Date _____ January 10____ Signed . 20 . 05 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of \underline{PA} and employed by \underline{HSBCT} of HARTFORD, CT, have inspected the components described in this 4-26-83 to 1-12-85, and state that to the Owner's Report during the period best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 NS9428 ANIB PA2384 National Board, State, Province, and Endorsements hyail Date 1-12- . 20 \$5

FORM 1/2-ADM-0801.F02 REV 2

• RTL # A4.414-A

	· •	<i>.</i>		
•		/	····	•

Form No. <u>1698 Rev.1</u>

Date	01/	10/2005
Sheel	1	of1
Unit No	·	_1
Repair/Repla		
Type Code Sy	mbol Stam	p <u>N/A</u>
Authorization I	10	<u>N.A</u>
Expiration Date	е	4 4
	Sheel Unit No <u>Order N</u> Repair/Repl Type Code Syn Authorization N	Sheet1 Unit No Order Nos. 20007 Repair/Replacement Organizz Type Code Symbol Stam Authorization No

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity____1989

(c) Applicable Section XI Code Case(s): N/A 1 23.5 **

6. Identification of Components

C. . . Corrected, Removed, ASME ų. ۰. Code Other Identification Year Built Name of Name of Manufacturer National Board or Installed Stamped No. (Yes or No) Manufacturer Serial No. Component Industrial IRS-E-IC 1971 3181 Corrected Heat Exchanger 6301-3 Yes Processes . . . : . t en c ۰. . 5 -; · -· ;

7. Description of Work <u>Replaced diaphragms and seal welded, plugged and seal welded nine tubes.</u>

8. Tests Conducted:

Hydrostatic* 🔲

Pneumatic* 🔲 Nominal Operating Pressure 🛛 Exempt 🗌

Test Temp.

. *Record lest pressure and temperature

Other 🗌

FORM NIS-2 (Back)

9. Remarks <u>Previous NIS-2 Data Report Nos: 1578, 1418, 1252, 946, 855, 698, 689, 596, 558, 486,</u> Applicable Manufacturer's Data Reports to be attached

288 and 156. Copy of original Code Data Report in NIS-2 Report No. 1578. Tube plugs Ht. No.

D89473A.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and the Code, Section XI.	hat this conforms to the requirements of the ASME
Type Code Symbol Stamp <u>N/A</u>	· · ·
Certificate of Authorization No. <u>N/A</u> . Expiration Date	nteN/A
Signed - Hund Seuns Special NT Da	Date January 19, 205

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of \underline{PA} and employed by \underline{HSB} \underline{LT} of $\underline{HAETF04C}$, \underline{CT} have inspected the components described in this Owner's Report during the period $\underline{4-26-93}$ to $\underline{1-21-95}$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Dean S. Mining Commissions NB 8428 ANTB PA2384 Inspector's Signature Commissions AB 8428 ANTB PA2384 National Board, State, Province, and Endorsements
Date $/-2/-$, 20 0.5

FORM 1/2-ADM-0801.F02 REV 2

S. 1. 1. -

RTL # A4.414-A

-					Fc	orm No	1699
F	FORM NIS-2 OW As Requi	NER'S REPOR red by the Prov					
I. Owner	First Energy (Corp	· · · · · · · · · · · · · · · · · · ·	Date N	November	· 10, 2004	···
76 South	Main Street, Akro (ADORESS)	on, OH 44308	· · · · · · · · · · · · · · · · · · ·	Sheet	<u> </u>	of	2
. Plant	Beaver Valley F	Power Station		Unit No.		1	····
	Shippingport, P	A 15077	Fritter	Rep	air/Replacemen	200015625 t Organization P.O, No.; .	lob No., etc.
Work Perfc	ormed By <u>FENC</u>	DC - Constructio	<u>n</u>	Type Cod	: le Symbol	Stamp	<u>N/A</u>
· · ·	Shippingport, P.			Authoriza	tion No.	N/A	· · · · · · · · · · · · · · · · · · ·
	(ADDRESS)	•		Expiration	Date	N/A	and the second second
(a) Applicable (b) Applicable	on of System e Construction Code le Edition of Section 2 le Section XI Code C	ANSI B31.1.0 XI Utilized for Repair	1967 E	dition, S 1971		· Code Case	
Identificatio		•		• •	•		
	·····		i state i s	с. 1	•		•••••••
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
	Name of	Manufacturer	Board			Removed,	Code Stamped
Component.	Name of	Manufacturer	Board			Removed, or Installed	Code Stamped
Component 5-1FW-101A	Name of Manufacturer	Manufacturer Serial No.	Board No.		Built 2002	Removed, or Installed	Code Stamped (Yes or No)

7. Description of Work <u>Installation of cavitating venturis into the Auxiliary Feedwater System lines</u> feeding the steam generators

• •

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗌 Nominal Operating Pressure 🛛 Exempt 🗍 Other 🗍 Pressure Normal psi Test Temp. <u>Normal</u> °F

*Record test pressure and temperature

	FORM NIS-2 (Back)	· .
Remarks	Applicable Manufacturer's Data Reports to be attache	a
•	· · · ·	
· · · · · · · · · · · · · · · · · · ·		·
- <u></u>	<u> </u>	
	CERTIFICATE OF COMPLIANCE	
I certify that the statements made i	n the report are correct and that this confor	ms to the requirements of the ASM
de, Section XI.		
pe Code Symbol Stamp	N/A `	
		•.
rtificate of Authorization No. <u>N</u>		N/A
ned MFTushy P.	logect Manager Date 12	6/04 20
Owner yr Owner's Desi	ignee, Title	· · · · · · · · · · · · · · · · · · ·
······································		••••••••••••••••••••••••••••••••••••••
(CERTIFICATE OF INSERVICE INSPECTION	
the understand helding a valid course	in the state of Della and	Denouve Meneral transactory
	ission issued by the National Board of Boiler and and employed by $HSSCT$ of $HARTR$	
_ <u></u>	have inspected the components described in this	6
wner's Report during the period	4-26-03 to 12-1	
	ner has performed examinations and taken corre equirements of the ASME Code, Section XI.	ctive measures described in this
•	· ·	
	ector nor his employer makes any warranty, exp	• • • •
	escribed in this Owner's Report. Furthermore, no onal injury or property damage or a loss of any k	•
is inspection.		
•	Λ	
0 17		1 Para I
Ston S. heger inspectorestignature	Commissions <u>T</u> , ~ National Box	and, State, Province, and Endorsements
Date	, 20 <u>v y</u>	

FORM 1/2-ADM-0801.F02 REV 2

RTL # A4.414-A

		Form No.	1700
FORM NIS-2 OWNER'S REPORT FOR R As Required by the Provisions o			ГY
1. Owner <u>F.E.N.O.C.</u>	Date	01/13/200	05
76 South Main Street – Akron, OH 44308	Sheet	of	. 1
2. Plant Beaver Valley Power Station	Unit No	1	
Route 168 - Shippingport, PA 15077 (ADORESS)	Repair/Rep	Order #2000919 lacement Organization P.O. I	
3. Work Performed By <u>FENOC-Maintenance</u>	Type Code Sy	mbol Stamp	<u> </u>
Route 168 - Shippingport, PA 15077	Authorization	Not	N/A
(ADDRESS)	Expiration Dat	et	N/A
4. Identification of System Chemical and Volume	Control (Q2)		
5. (a) Applicable Construction Code B31.1	<u>1967</u> Edition, <u> </u>	ddenda, <u>NVA</u>	Code Case
(b) Applicable Edition of Section XI Utilized for Repair/Replacen		•	
(c) Applicable Section XI Code Case(s): <u>N-416-2</u>	· · ·		•
6. Identification of Components	· .		

 ${\mathbb C}^{*}$

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Ycar Buik*	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Piping	Stone & Webster	N/A	N/A	FE-1CH-130	1976	Corrected	No No
Flange	Energy & Process	N/A	N/A	. Ht. #31909	2004	Installed	
•		the state of the					
· •					, •		5
			· · ·		·		

7. Description of Work <u>Replaced flow element flange, studs and nuts.</u>

8. Tests Conducted:

Other 🗌 Pressure _____ psi

Hydrostatic* 🗋 Pneumatic* 🔲 Nominal Operating Pressure 🛛 Exempt 🗌 Test Temp. _____ ٩F

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FORM NIS-2 (Back)

9. Remarks <u>No Code Data Reports available. *year installed.</u> Replaced lower flange on flow element. Applicable Mandacurer's Data Reports to be attached New 7/8" NPT studs: Ht. #7528/A186, nuts Ht. #HQT.

CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization NoN/A Expiration DateN/A
Signed Aller Guine Special 15T Date January 21, 20 05
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this
Owner's Report during the period $4/-26-43$ to $1/-2/-45$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
shall be have in any manner for any personal lightly of property damage of a loss of any kind ansling norm of connected with this inspection.

A2384 ____ Commissions T Inspector's Signatur and Endorsements National Board, State, Province Date 1-21- , 20 Ø5

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FORM 1/-ADM-0801 F02 REV 2

RTL # A4.414-A

		Form No.	1707
FORM NIS-2 OWNER'S REPORT FOR R As Required by the Provisions o			IVITY
I. Owner	Date	01/12/	2005
76 South Main Street - Akron, OH 44308 (ADDRESS)	Sheet	of	1
Plant Beaver Valley Power Station	Unit No	<u>1</u>	·
Route 168 - Shippingport, PA 15077 (ADDRESS)	Repair/R	Order #2001(eplacement Organization I	
. Work Performed By <u>FENOC-Maintenance</u> (NAME)	Type Code S	Symbol Stamp	<u> </u>
Shippingport, PA 15077	Authorization	n No	N/A
(ADDRESS)	Expiration D	ate	N/A
. Identification of SystemChemical and Volume (Control (Q2)	·	
. (a) Applicable Construction CodeB31.1	<u>1967</u> Edition, <u>S'71</u>	Addenda,	<u>N/A</u> Code Case
(b) . Applicable Edition of Section XI Utilized for Repair/Replacem	ent Activity1989	2.	

(c) Applicable Section XI Code Case(s): <u>N-416-2</u>

6. Identification of Components

Corrected, ASME ette . Code Removed Other Identification Stamped (Yes or No) National Board Name of Name of Ye**a**r Buik Manufacturer or Installed Component Manufacturer Scrial No No. 1976* Rockwell-- N/A Removed **Globe Valve** 1CH-175 No Edwards state in t **Globe Valve** ••• N/A 1CH-175 2001 Installed No **Edward Vogt** ۰., 110 Teres in the . . ÷. ×.

7. Description of Work _____ Replaced valve with spare.

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗋 Nominal Operating Pressure 🛛 Exempt 🗍

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. . Test Temp. Other 🗍 Pressure _ psi ..

*Record test pressure and temperature

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FORM NIS-2 (Back)

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9. Remarks <u>No Code Data Reports available</u>. <u>Original valve was designed to B16.5 1968E</u>. Applicable Manufacture's Data Reports to be attached * year installed. Valve serial number was not recorded.

CERTIFICATE OF COMPLIA	NCE
I certify that the statements made in the report are correct and that th Code, Section XI.	is conforms to the requirements of the ASME
Type Code Symbol Stamp	<u>N/A</u>
Certificate of Authorization No. <u>N/A</u> Expiration Date	N/A
Signed Willer Servier Specialist Date	, 20 <u></u>

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSB CT of
Hartford, CT have inspected the components described in this Owner's Report during the period $4/-26-43$ to $1/-12-65$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer 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.
Dean J. Jugard Inspectory Signature Commissions In National Board, State, Province, and Endorsements
Date /-/7- 20 \$5

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FORM NIS-2 OWNER'S REPORT FOR REPAIRS/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI 1. Owner						Fo	rm No.		1708
(MARE) 76 South Main Street — Akron, OH 44308 Sheet of 76 South Main Street — Akron, OH 44308 Sheet of (MARE) Condersion Order #200102056 RepairReplacement Organization P. Na. Job No. etc. 3. Work Performed By FENOC-Maintenance (MARE) Type Code Symbol Stamp	F		red by the Prov	isions of th	e ASN	IE Code Sec		ΓΙVITY	. •
2. Plant <u>Beaver Valley Power Station</u> Unit No. 1 (WME) <u>Route 168 - Shippingport, PA 15077</u> (ADDRESS) 2. Work Performed By <u>FENOC-Maintenance</u> (WME) <u>WME</u> <u>(WME)</u> <u>(MME)</u> <u></u>	1. Owner	F.E.N.O.C.			Date		01/12	2/2005	
Induct 168 - Shippingport, PA 15077 Order #200102056 Repair/Replacement Organization P.O. No. , do No., etc. 3. Work Performed By FENOC-Maintenance POMME! Shippingport, PA 15077 Authorization No. N/A Order #200102056 Repair/Replacement Organization P.O. No., do No., etc. Shippingport, PA 15077 Authorization No. N/A Authorization Authorization No. N/A Authorization Authorization No. N/A Composed Biotecols Construction Cole	76 South M	<u>fain Street – Akr</u> (ADDRESS)	on, OH 44308	· · · · · · ·	Sheet	1	0	f	1
(ADDRESS) Repair/Replacement Organization P.O. No., sob No., etc. 3. Work Performed By <u>FENOC-Maintenance</u> (RAME) Typè Code Symbol Stamp <u>N/A</u>	2. Plant	Beaver Valley P	Power Station	· · · · · · · · · · · · · · · · · · ·	Unit N	0		1	
3. Work Performed By FENOC-Maintenance (MAKE) Type Code Symbol Stamp N/A			ppingport, PA 15	5 077		Orde	r #2001	02056	
3. Work Performed By FENOC-Maintenance (MAKE) Type Code Symbol Stamp	• . •	(ADDRESS)	· · · · · · · · · · · · · · · · · · ·	Alter and a		Repair/Replacement	Organizatio	n P.O. No., Job N	
Identification of System Chemical and Volume Control (Q2) 5. (a) Applicable Construction Code B31.1 1967 Edition, S71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989	3. Work Perfo	rmed By <u>FENC</u>			Туре	Code Symbol	Stamp	<u>_</u>	· ·
Expiration Date N/A 4. Identification of System Chemical and Volume Control (Q2) 5. (a) Applicable Construction Code B31.1 1967 Edition, S71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity_1989 N/A Code Case (c) Applicable Section XI Code Case(s): N-116-2 6. Identification of Components 6. Identification of Components Manufacturer Name of Components Manufacturer Name of Components Manufacturer Name of Components Manufacturer Name of Components N/A Globe Valve Reckwell- Edwards Manufacturer Manufacturer N/A 1CH-177 1976* Removed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No	<u></u>		A 15077	· · ·	Author	ization No.		<u>N/A</u>	
5. (a) Applicable Construction Code B31.1 1967 Edition, S71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity_1989 1989 (c) Applicable Section XI Code Case(s): N-416-2 6. Identification of Components Name of Component Name of Component Name of Component Name for Build Edition Strin No. Globe Valve Edwards Mainifecture N/A ICH-177 1976* Removed Globe Valve Edwards N/A ICH-177 1976* Removed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No		(ADDRESS)	_		Expira	tion Date	_	N/A	
5. (a) Applicable Construction Code B31.1 1967 Edition, S71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity_1989 1989 (c) Applicable Section XI Code Case(s): N-416-2 6. Identification of Components Name of Component Name of Component Name of Component Name for Build Edition Strin No. Globe Valve Edwards Mainifecture N/A ICH-177 1976* Removed Globe Valve Edwards N/A ICH-177 1976* Removed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No			•	•	•	. –			· · · · · · · · · · · · · · · · · · ·
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity1989 (c) Applicable Section XI Code Case(s): N-416-2 6. Identification of Components Name of Component Name of Section XI Code Case(s): N-416-2 Name of Component Name of Section XI Code Case(s): N-416-2 Globe Valve Reckwell-Edwards Globe Valve Rockwell-Edwards Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No N/A 1CH-177 2001 Installed No N/A 1CH-177 2001 Installed No	4. Identification	n of System	Chemical and	Volume Cor	<u>ntrol (Q</u>	2)			· · · · · · · · · · · · · · · · · · ·
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity1989 (c) Applicable Section XI Code Case(s): N-416-2 6. Identification of Components Name of Component Name of Section XI Code Case(s): N-416-2 Name of Component Name of Section XI Code Case(s): N-416-2 Globe Valve Reckwell-Edwards Globe Valve Rockwell-Edwards Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No N/A 1CH-177 2001 Installed No N/A 1CH-177 2001 Installed No	5. (a) Apolicable	Construction Code	B31.1	196	7 Editior	n. S71 Addend	а.	N/A Code (Case
(c) Applicable Section XI Code Case(s): N-416-2 6. Identification of Components Name of Manufacturer Manufacturer National Board Other Identification Year Bill Removed ASME Code Stanged (Year No) Globe Valve Rockwell-Edwards N/A 1CH-177 1976* Removed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No									•
Name of Components Name of Manufacturer Manufacturer National Board Other Identification Year Pault Corrected, Removed, Stamped ASME Code Stamped Globe Valve Rockwell-Edwards							-		
Name of Component Name of Manufacturer Manufacturer Serial No. National Board No. Other Identification Year Built Corrected, Removed Itstalled (Yes or No) Globe Valve Rockwell- Edwards N/A 1CH-177 1976* Removed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No			000(0). <u>11-110-2</u>	• •	•				
Name of Component Name of Manufacturer Manufacturer National Board No. Other Identification Year Year Corrected, removed, or mutable ASME Code Stamped (Yeor No) Globe Valve Rockwell- Edward Vogt N/A 1CH-177 1976* Removed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No Globe Valve Edward Vogt N/A 1CH-177 2001 Installed No	6. Identification	n of Components					,		
Name of Component Name of Manufacturer Manufacturer Manufacturer National Board No. Other Identification Year Built or Installed Stamped (Yes or No) Globe Valve Rockwell- Edwards N/A ICH-177 1976* Removed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No Globe Valve Edward Vogt No Installed No Globe Valve Edward Vogt Installed		· · · · · · · · · · · · · · · · · · ·	l	r		·····	1		
Globe Valve Rockwell- Edwards N/A ICH-177 1976* Removed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No Globe Valve Edward Vogt N/A ICH-177 2001 Installed No Image: State S					4			or	Stamped
	· · · · · · · · ·	Rockwell-		N/A					`
	Globe Valve	Edward Vogt			• : :	ICH-177	2001	Installed	No
		· · · · ·		nation (Color) S					•
7. Description of Work				• • • • • • • •		······································		i	
7. Description of Work <u>Replaced valve with spare.</u>			· ·			·		•	· · ·
	7. Description	of Work <u>Rep</u>	laced valve with	spare.					

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Other [Pressure

*Record lest pressure and lemperature

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗋 Nominal Operating Pressure 🛛 Exempt 🗍 ____ psi Test Temp. _ _____°F

FORM NIS-2 (Back)

9. Remarks <u>No Code Data Reports available</u>, <u>Original valve was designed to B16.5 1968E</u>. Applicable Manufacture's Data Reports to be attached * year installed. Valve serial number was not recorded.

CERTIFICATE OF I	INSERVICE INSPECTION
	red by <u>HSB CT</u> of ected the components described in this
Owner's Report during the period $4-26-5$	$\cancel{23}$ to $\cancel{1-17-\cancel{5}}$, and state that to the
best of my knowledge and belief, the Owner has performed ex	raminations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the AS	SME Code, Section XI.
	er makes any warranty, expressed or implied, concerning the er's Report. Furthermore, neither the inspector nor his employer ty damage or a loss of any kind arising from or connected with
ilean J. hisrik	Commissions $\frac{\mathcal{I}_{\mathcal{N}}}{1}$ $\frac{\mathcal{P}_{\mathcal{A}}}{1}$ $\frac{\mathcal{P}_{\mathcal{A}}}{2}$ $\frac{\mathcal{P}_{\mathcal{A}}}{2}$ $\frac{\mathcal{P}_{\mathcal{A}}}{1}$ $\frac{\mathcal{P}_{\mathcal{A}$
Date <u>1-17-</u> , 20 <u>\$5</u>	

FORM 1/- ADM-0801.F02 REV 2

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				For	m No.		1709
FO			isions of the /	RS/REPLACEME ASME Code Sect		τινιτγ	
1. Owner	F.E.N.O.C.	t post	<u>ortio de la</u> Da	ate	01/13	3/2005	
76 South Ma	ain Street – Akro (ADDRESS)	on, OH 44308	<u></u>	neet: <u> </u>	0	f	2
2. Plant <u> </u>	Beaver Valley Po	ower Station	Ur The second se	nit No.		1	
F	Route 168 - Shir (ADORESS)	pingport, PA 15	<u>5077</u>	Orde Repair/Replacement	<u>r #2000</u> Organization)70073 n P.O. No., Job N	io., etc.
3. Work Perform	ned By _FENO	C-Maintenance	Ту	pe Code Symbol	Stamp		N/A
F	Route 168 – Shi (ADDRESS)	ppingport, PA 1		thorization No			· · · ·
4. Identification	of System	Main Steam (O	2)				``````````````````````````````````````
(b) Applicable (c) Applicable	Construction Code Edition of Section X Section XI Code Ca of Components	l Utilized for Repair/ se(s): <u>N/A</u>		ition, <u>S'71</u> Addend: ivity <u>1989</u>	3,	_ <u>N/A</u> Code (Case
Name of Component	Name of Manufacturer	Manufacturer Scrial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Nozzle Check	Enertech	10549	N/A	1MS-19	1997	Removed	Yes
Nozzle Check	Enertech	11075	N/A	IMS-19	2001	Installed	Yes
•	¹⁴	· · · · · ·	inservation de la construction l'activité de la construction de la la construction de la construction d			1	
						·	- * . - * .
					·		
. Description o	f Work <u>Repl</u>	aced valve and	intet/outlet flan	ige studs.	I	·····	· ·

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🗌 Nominal Operating Pressure 🛛 Exempt 🗍 Test Temp. _____ °F Other 🔲 Pressure _____ _ psi

*Record test pressure and temperature

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FORM NIS-2 (Back)

9. Remarks <u>Code Data Report attached. Previous NIS-2 Data Report Nos: 952, 824, 759, 497, 263</u> Applicable Manufacturer's Data Reports to be effected and 143. Valves were supplied as ASME Section III 1971E-S'72A but are installed in a B31.1

system. New 3/2" studs: Ht. #P127. Valve serial number 11075 had the disc replaced per P.O.

55100560, new disc Heat Code KUJ-3489.

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CERTIFICAT	E OF COMPLIANCE
I certify that the statements made in the report are c Code, Section XI.	correct and that this conforms to the requirements of the ASME Δ_{i}
Type Code Symbol Stamp	NA ·
Certificate of Authorization No. <u>N/A</u> E	xpiration Date N/A
Signed - Hurte Serier Speci Owner or Owner's Designee, Title	Date January 24, 205

CEI	RTIFICATE OF INSERVICE INSPECTION
• • •	ion issued by the National Board of Boiler and Pressure Vessel Inspectors
	niaand employed byBB CT of
where the second during the period	have inspected the components described in this $4-26-93$ to $1-24-85$, and state that to the
	r has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requi	
	cribed in this Owner's Report. Furthermore, neither the inspector nor his employer al injury or property damage or a loss of any kind arising from or connected with
Dean & hyrife inspector Signature	Commissions <u>E</u> <u>A</u>
Date 1-24-	. 20 <u>Ø</u> 5-

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 ____

	certified by Enert		(name a	nd address o	IN Certificate Holde	4	
2. Manufactured for _	. F	irst Enerav	Corp.: P.O.	Box 3611	; Akron, OH 44	309-361	1
				address of			
Location of installat	ion Be	eaver Valle	Power Stati	on; Route	e 168; Shipping	port. PA	15077
				name and ac			
I. Model No., Series N		DRV-Z	Drawing	PD98401	Rev	Ε.	CRN. None
		- <u> </u>	·····				
5: ASME Code, Sectik	on III, Division 1:	1971		S72	3		None
		ledition		denda date)	* (class)	-	(Code Case no.)
i. Pump or valve <u>Noz</u>	zie Check Valve	Nominal inle			Outlet size	3	· ·
	•		- Ģ	ւմ		(in.)	
. Material: Body	SA-105	Bonnet	N/A	_ Disk _S/	A-479 Type 316	Bolting .	<u>N/A</u>
•					· ·		· · ·
(a) .	(6)		· (c)	N.	(d)		(e)
Cert.	Nat'l		≊.∄∘Bodγ		Bonnet		Disk
Holder's	5 Board	• *	🗧 😳 Serial	•	Serial		Serial
Serial No.	No.	· · • · ·	" No.	•	No.	-	No.
. 11075	. None		KEI-001		None		· JKT-023
11076	None				None		JKT-024
					···		
	<u> </u>	·····				 	
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			33234 (J. 50)			\$	
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	·	<u> </u>			· · · · ·		

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

(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

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

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				Centific	ate Holder's Serial N	No. 11075 & 110	76
8. Design conditions	1100	psi	560	•F or val	ve pressure class _	600	(1)
					·	•	
9. Cold working pressure .	1440	psi at	100°F				
10. Hydrostatic test	2175 psi.	Disk dilfø	ential test pres	sure	1600	······	psi
11. Remarks: Oty. 2, Ene	rtech Job Nun	nber 2462	8V				
11. nemarks:							
					•	<u>_</u>	,
						· · · · ·	
· .							
		CERTH	FICATION OF D	ESIGN \		<u></u>	٦
-	F		arda ar	8	DA		
Design Specification certifi	ed byFra	Incis vv. e	an	P.E. State	PA CA Reg.	. no 23241	
Design Report certified by .				_ P.E. State	Reg.	. no	
							• •
, ·.							,
	•	CERTIFIC	CATE OF COM	PLIANCE			
We certify that the stateme	ots made in this r	enort are cr	weet and that i	his ound of va	lve cooforms to the	ndes for constructio	
at the ASHE Code Section	III Division 1				•		~~ {
N Certificate of Authorizati	on No	<u>۱</u>	1-2826	<u></u>	Expires	10/26/02	
Date 4/30/01 Nan		Enertech	1	C'a - a d	1 millely	litet.	
DateNan	N) · · · ·	Certificate H	olderi	- Signed -	lauthorized repr	resentative)	-
. <u> </u>							
 	······	CEDTIC	CATE OF INSP	ECTION			1
		ÇENTIFI	icate of insp	-		•	- [
I, the undersigned, holding	a valid commis	sion issued	by the Nation	al Board of Bo	oiler and Pressure V	essel Inspectors a	val .
the State or Province of	nnecticut	litomia			Y Hartford Stearn Bo		•
4/30/01				• • •	or valve, described i	•	
structed this pump, or valve	-		•	_	nd belief, the Certifi n 1	cate Holder has co	0-
anarian me tunihi a Agia	-,	mut urg Ad					l ·
By signing this certificate,	neither the inspe	ctor nor his	s employer mal	kes any warrai	nty, expressed or im	plied, concerning t	he
component described in thi						• .	or
any personal injury or prope	erty damage or a	loss of any	kind arising fro	m or connecte	d with this inspectio	in.	
Day 4/30/01 Signed	Wille	may	Commission	- Li	194.		
	(Authorized In	spector			ncl. endorsements) and	state or prov. and no.	.ī

(1) For manually operated valves only,

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FORM 1/2-ADM-0801.F02 REV 2

RTL # A4.414-A

	•			Fo	rm No.	<u>.</u>	1710
È F	ORM NIS-2 OW As Requi	red by the Prov		SME Code Sec			4 . I
. Owner	F.E.N.O.C.	······	•	le	01/13	3/2005	
76 South M	Aain Street – Akr (ADDRESS)	on, OH 44308	She She	eet1_	<u> </u>	f	2
Plant	Beaver Valley F	ower Station	Uni	t No.		1	•
:	Route 168 - Shi (ADDRESS)	ppingport, PA 15	<u>5077</u>	Orde Repair/Replacement	r #2000 Organizatio)70072 n P.O. No., Job N	to., etc.
Work Perfor	rmed By <u>FENC</u>	C-Maintenance	Тур	e Code Symbol	Stamp		N/A
,	Route 168 – Sh (ADDRESS)	ippingport, PA 1		horization No			
	•		ele francia Exp	piration Date		<u>N/A</u>	
Identificatio	n of System	Main Steam (C	(2)			·	·
(a) Applicable	Construction Code	- B31.1		•	- `		Case
	e Edition of Section)						-• ••
(c) Applicable	e Section XI Code C	ase(s): <u>N/A</u>					
Identification	n of Components	3			, .	· _ · _ ·	· <u>·</u>
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Ye ar Buik	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
lozzle Check	Enertech	11075	N/A	1MS-20	2001	Removed	Yes
ozzle Check	Enertech	10550	N/A	1MS-20	1997	Installed	Yes
•		-	a tigara di ti ng ti			1	
			· ·	· · · · · · · · · · · · · · · · · · ·		ii	
	·				 		

7. Description of Work <u>Replaced valve and inlet/outlet flange studs and nuts</u>

Other 📘 Pressure _____ psi

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🗍 Nominal Operating Pressure 🛛 Exempt 🗍 Test Temp. ٩F

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*Record lest pressure and lemperature

FORM NIS-2 (Back)

9. Remarks <u>Code Data Report attached. Previous NIS-2 Data Report Nos: 1442, 951, 883, 760, 269,</u> Applicable Manufacture's Data Reports to be attached and 159. Valves were supplied as ASME Section III 1971E-S'72A but are installed in a B31.1

system. New ¼" studs: Ht. #P127, nuts: Ht. #F864. Valve serial number 10550 had the disc

_ replaced per P.O. #55100560, new disc Heat Code KUJ-3488.

CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A ·
Certificate of Authorization No. N/A Expiration Date N/A Signed Mutcle Second Stress Date January 24 , 20_05 Owner or Owner's Designee, Title Date January 24 , 20_05
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period $4-26-3/3$ to $1-24-35$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with

this inspection.

A 2384 n Commissions \mathcal{I} National Board, State, Province, and Endorsements ŝ , 20 <u>øs</u> 1-24-Date

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

.....

							Pg. 1 of _2
			•				••••
I. Manufactured and cer	tified by <u>ENEF</u>	RTECH, 2					L
					I Certificate Hold		
. Manufactured for <u>DU</u>	<u>quesne Lic</u>	<u>pht Comp</u>	any, P.O. Box (name and addr	345,	RI 168, 3	hippir	igport, PA 150
. Location of installation	Roaver Va	illev Po	wer Station:	Shin	ninanort.	PA 1	5077
	DRI	I-Z .	men)	and addri	ess)		
. Model No., Series No.	, or Type Noza	le Chec	k Drawing PD 9	8401	C		CRN_None
· · · · · · · · · · · · · · · · · · ·				• •	. 3		None
. ASME Code, Section	III, Division 1:	1971 (editio	Summer Iaddend		 Iclass	<u>`</u>	
Val	VA		ົ່		. 3)	(Code Case no.)
5. Pump or valve Val	<u> </u>	Nominat int	let size	sa S	-479	(in.)	
7. Material: Body <u>SA-</u>	105	Bonnet	N/A	isk Type	e 316	Bolting	N/A
. materia, 000y		JUINICI	U		•	. uorang	***************************************
(a)	(b)	·	, - (c)	•	(d)	•	(e)
Cert.	Nat'l	•	Body		Bonnet		Disk
Holder's	Board		Serial		Serial		Seriat -
Serial No.	No.		- · · · No. · · ·		No.		No.
10548	None		JJ0-002		None		JFX-007
· 10549	None		JJ0_003		None		JFX-008
10550	None	·			None	<u> </u>	JEX-009
10551	None				None	<u> </u>	_JEX_010
,		······································			·····	·	
·			** ** * * **			<u> </u>	
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<u> </u>	<u> </u>		· · · · · · · · · · · · · · · · · · ·		······		
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			······································		<u> </u>	<u> </u>	<u></u>
· ·	·		· · · · · · · · · · · · · · · · · · ·	_ ·	<u> </u>	<u></u>	

* 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.

(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

				···· · ···	·
	FC	DRM NPV-1 (Back — I	Pg. 2 of <u>2</u>)	10548, 10550,	10549
			Certificate Hold	er's Serial No.	1022
Design conditions	1100	560	°F or valve press	600	
	(pressure)	psi (temperature)	I or tarts press		
Cold working pressure	•	psi at 100°F			
Hydrostatic test	2175 psi	i. Disk differential test pre	essure16	00	ps
		H_Job_Number: 153		· · · · · · · · · · · · · · · · · · ·	
	· · · ·				
		· · · · · · · · · · · · · · · · · · ·			
		- <u> </u>	<u></u>		
•					
		CERTIFICATION OF	DESIGN		
	Al			03236	6-E
sign Specification cert	tified by Al			Reg. no. 03236	6-E
esign Specification cert asign Report certified b	tified byA1	CERTIFICATION OF lan J. Fiorente Silverman		Reg. no. 03236	6-E
esign Specification cert esign Report certified b	lified byA1			Reg. no. 03236 Reg. no. 23241	6-E
esign Specification cert asign Report certified b	tified byA byIra_JS			Reg. no. 03236	б-Е
esign Specification cert esign Report certified b	tified byA		\ P.E. State P.E. State _CA	Reg. no. 03236 Reg. no. 23241	6-E
	•	lan J. Fiorente Silverman CERTIFICATE OF COM	P.E. State PA P.E. State CA		·
e certify that the states	ments made in this	lan J. Fiorente Silverman CERTIFICATE OF COM	P.E. State PA P.E. State CA		·
e certify that the state the ASME Code, Secti	ments made in this ion III, Division 1.	Ian J. Fiorente Silverman CERTIFICATE OF COM	P.E. State PA P.E. State CA	orms to the rules for cons	·
Ve certify that the state f the ASME Code, Secti	ments made in this ion III, Division 1. ation No	Ian J. Fiorente Silverman CERTIFICATE OF COM S report are correct and that N-2826	P.E. State PA P.E. State CA APLIANCE	orms to the rules for cons	·
	ments made in this ion III, Division 1. ation No	Ian J. Fiorente Silverman CERTIFICATE OF COM	P.E. State PA P.E. State CA APLIANCE this pump or valve conference Signed	orms to the rules for cons	·

CERTIFICATE OF INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>California</u> and employed by <u>DOSH</u> of <u>California</u> have inspected the pump, or valve, described in this Data Report on <u>$\mathcal{B}/\mathcal{C}/\mathcal{P}/\mathcal{P}$</u> , and state that to the best of my knowledge and belief, the Certificate Holder has con- structed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 8/6/97 Signed Commissions Commissions [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

FORM %-ADM-0801.F02 REV 2

RTL # A4.414-A

		Form	No	1711	
FORM NIS-2 OWNER'S REPORT FOR RE As Required by the Provisions of				Ŷ	
1. Owner	Date		01/12/200	5	<u>—</u>
76 South Main Street – Akron, OH 44308 (ADORESS)	Sheet	1	of	1 .	
2. Plant Beaver Valley Power Station	<i>"</i> .	<u>, </u>	1	·	
Route 168 - Shippingport, PA 15077 (ADDRESS)	Repair/Rep	Order #	20001544 anization P.O. N	15 Io., Job No., etc.	-
3. Work Performed By <u>FENOC-Maintenance</u>	Type,Code S	ymbol St	amp	<u>N/A</u>	
Route 168 - Shippingport, PA 16066	Authorization	No	<u> </u>	/A	.
(ADDRESS)	Expiration Da	te	N	/A	-
4. Identification of System <u>Main Steam (Q2)</u>	. <u> </u>	<u> </u>	<u>_</u>		<u>-</u>
5. (a) Applicable Construction Code <u>B16.5</u> <u>19</u> (b) Applicable Edition of Section XI Utilized for Repair/Replacement		denda,	ċ	ode Case	
(c) Applicable Section XI Code Case(s): <u>N/A</u>	· .				

1.5 . 1.5

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built*	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
Check Valve	Schutte & Koerting	ND690565	N/A	NRV-1MS-101C	1976	Corrected	No
Studs	Flowserve	N/A	^{лад} N/А	Ht. #60924	2004	Installed	No
Ņuts	Flowserve	N/A	N/A	Ht. #GG27	2004	Installed	No
Helicoil	Nova Machine	N/A	N/A	Ht. #40073637	2004	Installed	No
Nuts	Nova Machine	N/A	N/A	Ht. #F518	2004	Installed	No

7. Description of Work ______ Replaced four studs and nuts, installed two helicoil inserts into stud holes.

8. Tests Conducted: Hydrostatic* 🗍 Pneumatic* 🗍 Nominal Operating Pressure 🗌 Exempt 🕅

٩F

Test Temp.

psi

*Record test pressure and temperature

Pressure

Other

.

FORM NIS-2 (Back)

9. Remarks <u>No Code Data Report is available</u>. <u>Previous NIS-2 Data Report Nos: 1611 and 1218</u>. Applicable Manufacturer's Data Reports to be attached

.

*year ins	tal	led

.

Date 1-24- , 20 Ø5-

CERTIFICATE OF COMPLIANCE

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

____N/A

Type Code Symbol Stamp

Certificate of Authorization No.	N/A	Expiration Date	N/A	•
Signed Auto	Servio -	Spacin/1ST Date	January 21, 2	20 <u>05</u>

	<u>Avania</u> and employed by <u>HSB CT</u> of
Hartford, CT Owner's Report during the period	have inspected the components described in this 4/-26-43 to $1/-24-85$ and state that to the
	vner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the r	equirements of the ASME Code, Section XI.
examinations and corrective measures of	pector nor his employer makes any warranty, expressed or implied, concerning the lescribed in this Owner's Report. Furthermore, neither the inspector nor his employer sonal injury or property damage or a loss of any kind arising from or connected with

				·		For	m No.	<u> </u>	1712
	. F	•	NER'S REPORT red by the Provi	isions of the				ΓΙνιτγ	· · ·
1.	Owner	F.E.N.O.C.		, I	Date _		10/23	/2004	•
	76 South	Main Street-Akro (ADDRESS)	on, OH 44308	;	Sheet	1	of		
2.	Plant	Beaver Valley P (NAME)	Power Station	<u></u>	Unit No.	· .		1	•
•		Shippingport, P	A 15077	·	Re	Orde	r #2000	17570	
	. •	(NUCKESS)	·	and the second	fver	раничеркачениени		17.U. NO., JOD N	
3.	Work Perfo	med By <u>BVPS</u>	Construction Se	ervice	Type Co	de Symbol	Stamp	11	<u>\/A</u>
		Shippingport, P	A15077		Authoriza	ation No	• 、	N/A	· • .
		(ADDRESS)				n Date		*	
_				•	•	_			·
4.	Identification	n of System	Main Steam (Q	<u> 2)</u>	• .	<u></u>		· · · · ·	·
5.	(a) Applicable	Construction Code	Section III	<u> </u>	Edition,	<u>N/A</u> Addenda,	,	N/A Code C	Case
	(b) Applicable	e Edition of Section >	KI Utilized for Repair/	Replacement A	ctivity	1989			
	(c) Applicable	e Section XI Code C	ase(s): <u>N/A</u>			•			
6.	Identification	n of Components	5	r milit a const		• •	.•		
	Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.		Other Ientification	, Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
s١	/-1MS-101C	Dresser	BM-07758	N/A		ety Valve	1968	Removed	Yes
SV	/-1MS-101C	Dresser Flow Control	BY-89642	N/A		ety Valve	2003	Installed	Yes
			an a	* 17 ¹ - 1 ²		······································			
				198 - 111		•		ň,	
					51				

1. 1. 1. 1. 1.

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

. .

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🗋 Nominal Operating Pressure 🛛 Exempt 🗍

Pressure _____ psi Test Temp. _____ °F Other 🔲

*Record lest pressure and temperature

. ...

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. t/P

FORM NIS-2 (Back)

9. Remarks <u>Code Data Report attached</u>. <u>Also replaced inlet 1-3/8" studs (Ht Nos:8993360/QZC,</u> Applicable Manufacturer's Data Reports to be attached 13853-C625, S339,S339, and 13853-D623) and nuts (Ht Nos: K623, 73265-32-2-RXQ, 96582-

•

TTG) all supplied by Nova Machine.

CERTIFICATE OF COMPLIANCE					
I certify that the statements made in t Code, Section XI.	e report are correct and that this	s conforms to the requirements of the ASME			
Type Code Symbol Stamp <u>N/A</u>		•			
Certificate of Authorization NoN/A	Expiration Date	N/A			
Signed Line 5	the Specialist Date	<u>November 16</u> , 20 <u>04</u>			

CE	RTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commiss	ion issued by the National Board of Boiler and Pressure Vessel Inspectors
	ania and employed byHSBCT of
	have inspected the components described in this $4 - 2 6 - 03$ to $11 - 17 - 04$, and state that to the
	r has performed examinations and taken corrective measures described in this
examinations and corrective measures des	tor nor his employer makes any warranty, expressed or implied, concerning the cribed in this Owner's Report. Furthermore, neither the inspector nor his employer nal injury or property damage or a loss of any kind arising from or connected with
lean 1. 200	Commissions I, J, PA2384 National Board, State, Province, and Endorsements
Date 11-17-	. 20 04

	•		مستقادته بالتشد المنجل المنتز المرادي والمرور والمراجع والمراجع	he has see to a state of the
• • •	· · · م مشتخلا المساسس المدينة · ·		NÖ 6436	
N. 23	.2004 11:30AM	DSESSER-VALVE		
				·
		•	••	•
		•		
	, · · · ·			•
	. I	FORM NV-1 CERTIFICATE HOLDERS' D	ATA REPORT FOR PRESSURE OR VACUUM	· · ·
			FVALVES'	•
	A	Required by the Provisions of the ASM	E Code, Section III, Division 1	Pg. 1 of 2
<u> </u>				
	•		Inc. La. Hwy 3225 @ US Hwy 167 N	
1.	Manufactured and ce	rtified by P. O. Box 1430 Alexandria, Lou	(name and address of NV Certificale Holder)	
	Manufactured for	First Energy Corporation P. O. Box 3611 A		
· 2.	manulacuicu iui	This chargy corporation F. O. Box Sol FA	(nome and adapts of Puchaser)	
3.	Location of installatio	First Energy Corporation Beaver Valle	y Power Station Unit # 2 Shippingport, Pennsylv	ania 15077
	Valve 3	787A Orifice size 14.18 sq	t (asme and address) in Nom. Inlet size 6" Outle	
	(model n	(in.)	in Nom. Inlet size 6" Outle	l size <u>10</u> (in.)
5.	ASME Code, Section	11, Division 1: 1968	NO A. ARTICLE 9(2)	N/A
6.	Type Sprin	j (e%con) ng 1075 Fi	(addenta date) (ctats) xed Sat 2250	(Code Czena.) at SAT °F
v.	(spring, pilot or po	wetr operated) (sel prossure, polg) (blowch	ACU Sac ZZSU own.pd] (neled komp.) (hydro. Test, psig. inke	
7.	Identification	BY89642 N/A	3NC2022 N/A	2003
8.	Control ring settings	Holder's serial no.) (CRN) Fixed	(drawing no.) (NarL Ed. No.)	(ling resk)
.	Contraction of Contra	1.	·	- <u></u>
9.	Pressure retaining iter	nis:	· · ·	
	, -		•	•
·		Senal No. or	Matt. Spec.,	Tensile
	Body	ADP38	Including Type or Grade ASME SA216 GR WCC	Strength 75 ksi
•	Bonnel or Yoke	ADN84	ASME SAZIO GR WCC	70 ksi
	Support Rods	AD022, AD023	ASME SA193 GR B6	· . ·
	Nozzie .	ADN93	ASME SA182 GR F316	
	Disk	AD048	ASTM A565 GR 616	75 ksi
	Spring Washers	1		· · · · · · · · · · · · · · · · · · ·
	Adjusting Screws			·
	Spindla			•
	Spring Bolling		·	·
	Other tems	YOKE ROD NUT HT # PH99	ASME SA194 GR 2H	75 ksi
	Flanges			
10.	Relieving capacity	774,223 Lb/rlr Steam @ 107	overpressure as certified by the National Boan	
•	· · · · ·	(ica) (ricit Link to model)		(date)
11.	Remarks:			· · · · · · · · · · · · · · · · · · ·
•	· · ·		, ``	· · · · · · · · · · · · · · · · · · ·
•		1	£	
•		1		······································
		CERTIFICATI	ON OF DESIGN	. 1
Desig	on Specification certifie	ed by Louis P. Copian		eg. no. 16001
Desi	an Report certified by	D. K. Sharma	P.E. State Louisiana Re	eg. no. 20244
			······································	
	•	CERTIFICATE	OF COMPLIANCE	
	ertify that the stateme		this valve conforms to the rules for construction	of the ASME Code
We c			· •	-
	ion III, Division 1			1
Secti	•			
Secti	on III, Division 1 Certificate of Authorizat	ion No 1747	Expires 5/20	/2004
Secti	Certificate of Authorizat	ion No. <u>1747</u> Name SEE LINE 1	Expires5/20	

Sino. 6436 DSESSER-VALVE JUN. 23. 2004 11:31AM FORM NV-1 (BACK --- Pg. 2 of ____) Certificate Holder's Serial No. BY89642 CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Pressure Vessel Inspectors and the State or Province and employed by HSB CT of LOUISIANA have inspected the valve described in this Data Report on 5/10/04, and state that to the of HARTFORD, CT. best of my knowledge and belief, the Certificate Holder has constructed this valve in accordance with the ASME Code, Section III. Division 1. By signing this certificate, neither the inspector nor his employer makes any warranly, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. -AL Sig Commissions NBTTM'A' W Date

FORM 1/2-ADM-0801.F02 REV 2

. 5

		Form No1713
8 -	FORM NIS-2 OWNER'S REPORT FOR REP As Required by the Provisions of the Provisions of the Provision of the Pr	he ASME Code Section XI
1.	Owner F.E.N.O.C.	Date10/23/2004
	76 South Main Street-Akron, OH 44308	Sheet <u>1</u> of <u>2</u>
2.	Plant Beaver Valley Power Station	Unit No1
	Shippingport, PA 15077	Order #200017597
•	(ADDRESS)	Repair/Replacement Organization P.O. No., Job No., etc.
3.	Work Performed By <u>BVPS-Construction Service</u> (NAME)	Type Code Symbol Stamp <u>N/A</u>
	Shippingport, PA15077	Authorization NoN/A
	(ADDRESS)	Expiration Date
4.	Identification of SystemMain Steam (Q2)	
5.	(a) Applicable Construction Code	

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

(c) Applicable Section XI Code Case(s): N/A 11.11.11.11.11 .

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SV-1MS-102C	Dresser	BM-07761	N/A	Safety Valve	1968	Removed	Yes
SV-1MS-102C	Dresser Flow Control	BY-89643		Safety Valve	2003	Installed	Yes
		: •					
						4	

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

8. Tests Conducted:

Hydrostatic* Pneumatic* Nominal Operating Pressure K Exempt

Other Deressure _____ psi Test Temp. _____ °F

*Record lest pressure and lemperature

. ...

FORM NIS-2 (Back)

9. Remarks <u>Code Data Report attached</u>. Also replaced inlet 1-3/8" studs (Ht Nos:8993360/QZC, Applicable Manufacture's Data Reports to be attached 13853-C625, S339,S339, and 13853-D623) and nuts (Ht Nos: K623, 73265-32-2-RXQ, 96582-

TTG) all supplied by Nova Machine.

CERTI	IFICATE OF COMPLIANCE
I certify that the statements made in the repo Code, Section XI. Type Code Symbol Stamp <u>N/A</u>	ort are correct and that this conforms to the requirements of the ASME χ
Certificate of Authorization No. <u>N/A</u>	Expiration DateN/A
Signed flutte, Seurier Spa	cialist Date <u>November 16</u> , 20 <u>04</u>

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this
Owner's Report during the period $\frac{4-26-03}{100000000000000000000000000000000000$
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Jean S. Juniter Commissions <u>I</u> , N, PA 2384 Inspector's Signature Commissions I, National Board, State, Province, and Endorsements
Date <u>11-17-</u> , 20 <u>04</u>

)6/30/2004 08:55 FAI

JUN. 30. 2004 9:06AM

"CORRECTED CODE DATA REPORT"

FORM NV-1 CERTIFICATE HOLDERS' DATA REPORT FOR PRESSURE OR VACU	UM
RELIEF VALVES'	

As Roquired by the Provisions of the ABME Code, Section III, Division 1

DRESSER-INDUSTRIES

Pg.1 of ____

002

713

			and the second		
1.	Manufactured and certified by	Dresser Flow Control, Dresser In P. O. Box 1430 Alexandria, Louis		7 N	• • • •
	1		I name and address of NV Corpicelo He	tter)	•
2	Manufactured for First Energy	y Corporation P. O. Box 3611 Akro	xn, Ohio 44309-3611		
/	1		(name and address of Purchaser)	9-1430 d address of NV Carifronis Holder) 1309-3611 Hoese of Puerteser] fon Unit # 2 Shippingport, Pennsylvania 15077	
		0.000		Dullal de	
4.	Valve 3707RA		n Nom. Inlet size 6		-10-
	(model no., perfes no.)	(P.)			

0.	Ashe cccs, Secon III, Division I.	1300		A NEWE OLD	NVA
	•	(edition)	{ addenda date } \	(dæs)	(Code Casa no.)
6.	Type Spring	1085	33-98	2250	al 70 . °F
•	(spring, pilol or power eportand)	(set pressure, pcig)	(ploudicium, pd) (rated tamp.)	(Indro. Test, poly, Intel)	
7.	Identification BY-89643	N/A	3NC2022	<u>N/A</u>	2003
	(Cart Holder's serial pa.)	(CRN)	(drawing sc.)	(Neri Ba Na.)	(year bulk)
0	Control for saltings I must - 8 Not	inher Linner+1	160 Notches		

9. Pressure relaining items:

		Senial No. or Identification	Matil Spec., Including Type or Grade	Tensilo Strength
	Body	ADP37	ASME SA216 GR WCC	70 ksi
	Bonnet or Yoke	ADN83	ASME SA218 GR WCC	70 ksi
	Support Rods	ADO24 & ADO25	ASME SA193 GR 86	110 ksi
	Nozzie	ADN92	ASME SA182 GR F316	75 ksi
	Disk	ADO38	ASTM A565 GR 818	N/A
	Spring Washers Adjusting Borews			
÷ .	Spindle Spring Bolling			
••	Other liens Flanges	Yoke Rod Nut HT #RH99	ASME SA194 GR 2H	. <u>N/A</u>
0. ·	· · · · ·	873,601 LbAHr Steam @ 97 (abumor laid, lohr) @ 97	overpressure as certified by the National Board	10-13-1967 (date)
4	Remarke.		· · ·	

·5 **CERTIFICATION OF DESIGN** P.E. Stale 16001 California Reg. no. Design Specification certified by Louis P. Copian P.E. State 20244 Louisiana Reg. no. Design Report certified by D. K. Sharma CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this valva contorms to the rules for construction of the ASME Code, Section III, Division 1. 5/20/2004 NV Certificate of Authorization No. 1747 Expires Date 6/29/04 Signed SEE LINE 1 Name 0 (autorized representative) (NV Cersificate Holder)

NO. 9967 P. 2

NO. 9967 DRESSER-INOUSTRIES JUN. 30. 2004 9:06AM FORM NV-1 (BACK--- Pg. 2 of 2 Certificate Holder's Seriel No. ... By-89643 CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Pressure Vessel Inspectors and the State or Province of LOUISIANA and employed by _____HSB CT___ HARTFORD, CT. have inspected the valve described in this Data Report on , and state that to the best of my knowledge and bellef, the Certificate Holder has constructed this valve in accordance with the ASME Code. Section III. Division 1. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or conpected with this inspection. Data gned Commissions (Authorized Hucisar Inspector) (so buy your to they but (say

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			Form	No	1714
*==	FORM NIS-2 OWNER'S REPORT FOR REF As Required by the Provisions of t				Ŷ
1.	Owner <u>F.E.N.O.C.</u>	Date		10/23/200	4
	76 South Main Street-Akron, OH 44308 (ADDRESS)	Sheet	1	of	2
2.	Plant Beaver Valley Power Station	Unit No.	,	1	•
	Shippingport, PA 15077		Order #	20001741	17
	(ADDRESS)	Repair	Replacement Org	anization P.O. N	o., Job No., etc.
3.	Work Performed By <u>BVPS-Construction Service</u>	Type Code	Symbol St	amp	N/A
	Shippingport, PA15077	Authorizatio	on No.	Ň	/A
	(ADDRESS)	F			*
4.	Identification of System <u>Main Steam (Q2)</u>			·····	
	(a) Applicable Construction Code Section III 19		Addenda,	<u>N/A</u>	Code Case
	(b) Applicable Edition of Section XI Utilized for Repair/Replacement	Activity 19	89		

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year • Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SV-1MS-103C	Dresser	BM-07764	N/A	Safety Valve	1968	Removed	Yes
SV-1MS-103C	Dresser Flow Control	BY-89644	N/A	Safety Valve	2003	Installed	Yes
		• • •	inana se		·	· · ·	
	<u> </u>					<i></i>	
	<u> </u>						

7. Description of Work <u>Replaced valve and inlet studs/nuts.</u>

"Record test pressure and temperature

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗋 Nominal Operating Pressure 🛛 Exempt 🗍 Other Pressure _____ psi Test Temp. _____ °F

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FORM NIS-2 (Back)

9. Remarks <u>Code Data Report attached</u>. <u>Also replaced inlet 1-3/8" studs (Ht Nos:8993360/QZC,</u> Applicable Manufacture's Data Reports to be attached 13853-C625, S339,S339, and 13853-D623) and nuts (Ht Nos: K623, 73265-32-2-RXQ, 96582-

TTG) all supplied by Nova Machine.

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

Certificate of Authorization No.	N/A	Expiration	Date	N/A	
Signed Autor	Seulor Spece, Title	Decin /uT	Date _	November 17	, 2004

and the State or Province of Pennsylvani	n issued by the National Board of Boiler and Pressure Vessel Inspectors a and employed by <u>HSB_CT</u> of bound in this
	have inspected the components described in this 4 - 26 - 03 to $11 - 17 - 04$, and state that to the
best of my knowledge and belief, the Owner h	has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requin	
By signing this certificate neither the inspecto	ements of the ASME Code, Section XI. r nor his employer makes any warranty, expressed or implied, concerning the bed in this Owner's Report. Furthermore, neither the inspector nor his employe
By signing this certificate neither the inspecto examinations and corrective measures descri	r nor his employer makes any warranty, expressed or implied, concerning the

JUN. 23. 2004 11:32AM

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

1

NO. 6436

f. 9.

DSESSER-VALVE

Pg. 1 of 2

1.	Manufactured and certif		low Control, Dresser 1430 Alexandria, Lou	isiana 71309-1430	- · · · · ·		
, 2	Manufactured for Fir	st Energy Corporatio	on P. O. Box 3611 Ak		of NV Certificate Holder) 11		
′. 3.	Location of installation			(same and address of P	wichaser)	กกรงไงลกเล	15077
4.	Valve 3707	,	fice size 16.00 Sq	(name and ad	dress)	Outlet size	
5.	ASME Code, Section III,	series no.)	1968	<u></u> NO \	(h.) A. Artide 9		(h.) N/A
5. 6.	Type Spring	(1	rdiśon)	{ addends darc }	(4x3) L 225	·	(Codo Case no.) 70 °F
. U.	f spring. pilot or power	operated) [scipre	ssure, psig) (blowdo	wr.pai) jrabali	imp.) (hydro. Test		·····
. 1.	• •	-89544	N/A	3NC2022	<u>N/A</u>	<u> </u>	2003
8.	Control ring settings	der's serial no.) .ower - 8 Notches,	(CRN) Upper + 160 Notche	(drawing no.)	(Məl'l Bd N	a) .	(yez buil)
9.	Pressure retaining items					•	
-		•			• • · · · ·		
. •		Serial N Identific			Matt. Spec., ing Type or Grade	•	Tensile Strength
	Body A	DP35		ASME SA216		•	70 ksi
•		DN82		ASME SA216	GR WCC		70 ksi
	· · · ·	DO26 & ADO51	•	ASME SA193			110 ksi
		DN90		ASME SA182			75 ksi
		DO21	·····	ASTM A565 G	the second s		N/A
	Spring Washers	1					
		{	·				······································
	Adjusting Screws	<u> </u>					
	Spindle						
	Spring	<u> </u>					
	Bolting	· [
	Other Items Y	oke Rod Nut HT #RI	199	ASME SA194	GR 2H		N/A
•	Flanges	<u> </u>	· · · · · · · · · · · · · · · · · · ·				
10.	Relieving capacity 8	73,601 Lb/Hr Steam	0 87	overpressure as ca	ertified by-the Nationa	al Soard	10-13-1967
		(steam or Juid, Why)	(psi)			;	. (dale) .
11.	Remarks:			·	·		
	······				· · · · · · · · · · · · · · · · · · ·	8.	
	·	<u></u>		٢۲		·	
		<u> </u>	``_	·			
	······	1.	CERTIFICATIO	IN OF DESIGN			
Deci	on Specification certified I	by Louis P. Copi		P.E. State	California	Reg. no	. 16001
		· · · · · · · · · · · · · · · · · · ·			and the second se		
Ues	gn Report certified by	D, K. Sharma		P.E. State	Louisiana	Reg. no	20244
	•	•	CERTIFICATE O	F COMPLIANCE			
	certify that the statements	made in this report :	are correct and that U	his valve conforms t	o the rules for constr	uction of the	ASME Code,
Secti	ion III, Division 1.		· · · · · ·	• .		ч.	
NV C	Certificate of Authorization	INO	1747	Exp	ires	5/20/2004	
Date	Stirlow	Name	SEE LINE 1	Signed	rse_b		
			(NV Certificale Holder)			1 por militia 1	[

NO. 6436 P. 10 DSESSER-VALVE JUN. 23. 2004 11:33AM FORM NV-1 (BACK --- Pg. 2 of _2) Certificate Holder's Serial No. By-89644 **CERTIFICATE OF INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Pressure Vessel Inspectors and the State or Province of LOUISIANA and employed by HSB CT of HARTFORD, CT. have inspected the valve described in this Data Report on 5/17/04, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this valve in accordance with the ASME Code. Section III. Division 1. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from of connected with this inspection. Commissions Sighed Date spector d. Endorsements) and state or pray. And no. 1

FORM 1/2-ADM-0801.F02 REV 2

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RTL # A4.414-A

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	-			Fo	rm No.		1715
F		ed by the Provi	isions of the A	S/REPLACEME SME Code Sect	ion XI	• •	
1. Owner	F.E.N.O.C.		Dat	e	10/23	3/2004	
76 South I	Main Street-Akro (ADDRESS)	n, OH 44308	She	et1	0	f	2
2. Plant	Beaver Valley P	ower Station	Uni	t No		1	
، <u></u>	Shippingport, P/	A 15077		Orde	<u>r #2000</u>	016390	
	(ADDRESS)		Statistics -	Repair/Replacement	Organizatio	n P.O. No., Job N	o., etc.
3. Work Perfor	med By <u>BVPS</u>	(NAME)		e Code Symbol	•		N/A
· · · · · · · · · · · · · · · · · · · 	Shippingport, P/	A15077	Aut	horization No		<u>N/A</u>	
,	(reoncos)		един – се Ехр	iration Date			
4. Identification	n of System	Main Steam (Q	2)			•	
(b) Applicable (c) Applicable	Construction Code Edition of Section X Section XI Code Ca n of Components	(I Utilized for Repair/ ase(s): <u>N/A</u>	Replacement Activi	ition, <u>N/A</u> Addenda ity <u>1989</u>	••	<u>N/A</u> Code (,ase
Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SV-1MS-104C	Dresser	BM-07767	N/A	Safety Valve	1968	Removed	Yes
SV-1MS-104C	Dresser Flow Control	BY-89645	N/A	Safety Valve	2003	Installed	Yes
· · · · · · · · · · · · · · · · · · ·		an Shine Alay a She				er al er e	
	· · ·					n	1 .
			•	·	· ·		
7. Description	of Work <u>Repl</u>	aced valve and i	inlet studs/nuts.				

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🗍 Nominal Operating Pressure 🛛 Exempt 🗍 Test Temp. _____ °F Pressure _____ psi Other 🗌

*Record lest pressure and temperature

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FORM NIS-2 (Back)

9. Remarks <u>Code Data Report attached.</u> <u>Also replaced inlet 1-3/8" studs (Ht Nos:8993360/QZC,</u> Applicable Monufacture's Data Reports to be attached 13853-C625, S339,S339, and 13853-D623) and nuts (Ht Nos: K623, 73265-32-2-RXQ, 96582-

TTG) all supplied by Nova Machine.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report Code, Section XI.	t are correct and that this conforms to the requirements of the ASME χ
Type Code Symbol Stamp <u>N/A</u>	х <u>.</u>
Certificate of Authorization No. <u>N/A</u>	Expiration DateN/A
Signed <u>Alute</u> <u>Service</u> Owner's Designee, Title	pecia IIT Date <u>November 16</u> , 20 <u>04</u>

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period $4-2b-03$ to $1/-17-04$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Dean J. Zink Commissions I, J PA2384 Inspector's Signature S National Board, State, Provance, and Endorsements
Date 20 04

• 5				•	•	•		715
	• • .		<i>~</i>					•.
					•	•	• .	•
		FORM NV-1 CERTIF		DATA REPORT FOR PR	lessure or '	VACUUM		
		Demuland by the D		LIEF VALVES"	Inteles d			• •
	4	is Required by the Pi	rovisions of the A	SME Code, Section III, Di	vision 1	· · · ·	Pg. 1 of	2
====	·] Dresser	Flow Control, Dres	ser Inc. La. Hwy 3225 @ L	JS Hwy 167 N			
1.	Manufactured and c			Louisiana 71309-1430	•			`
				(ADTON BITS address of M	•			
2.	Manufactured for	First Energy Corpora	ibon P. O. Box 3611	Akron, Ohio 44309-3611				·
3.	Location of installati	on First Energy Cor	rporation Beaver Va	alley Power Station Unit # :	2 Shippingport	Pennsylvania	15077	<u></u> .
4.	Valva 3	-1 8707RA C	Drifice size · 16.00	[name and address] Sq In Norm. Inlet size	#) 67	Outlet size	10	
_	[model	1 mg, series RO.)	· · · · · · · · · · · · · · · · · · ·	h)	(in)	<u> </u>	(in)	<u> </u>
5.	ASME Code, Section	a III, Division 7:	1968 (editor)	(zccenda dale)	A, Arlidi		N/A [Code Case no.	
6.	Type Spr		1110	33 - 100 Sal.		2250 at	. 70	٩F
. 7	Identification	Porter opdialed) (sel) RY-R9645	pressure, psig) (1) N/A	Horndown, psi)		Test, osla iniei) /A	2003	
•	100	n. Holder's serial no.) .	(CRN)	. (traving no.)		Bq. Na.)	(year ball	
8. • •	. Control ring settings	Lower - 8 Notches	. Upper + 160 Not	ches	·	·····	~ <u>.</u>	
9.	Pressure retaining it	AUTS:	•			•		
•.	- , , , , , , , , , , , , , , , , , , ,				• •		. •	
			No. Dr		atil. Spec.		Tensile	
·	Body	ADP36	ification	ASME SA216 GF	Type or Grade		Strength 70 ksi	
	Bonnet or Yoke	ADN81		ASME SA216 GF	and the second		70 ksi	
	Support Rods	ADO29 & ADO30		ASME SA193 GF	R B6		110 ksi	······ .
	Nozzie	ADN91		ASME SA182 G			75 ksi .	
	Disk	ADP08		ASTM A565 GR	515		N/A	
	Spring Washers Adjusting Screws	·			···			·
	Spindle			·				· · · · ·
	Spring	1						
•	Bolting	Volta Dad Mus LIT #	121200	ASME SA194 GF	711		N/A	·'
	· Other Items . Flanges	Yoke Rod Nut HT #		ADIVIL SA134 OF		;		
10.	Relieving capacity	873,601 Lb/Hr Stea	am @ 72	overpressure as certi	ified by the Nat	ional Board	10-13-190	57
	• • • •	(slear or field, they)	(psi)				(d2:e)	
11.	Remarks:	<u>i</u>		<u></u>	·		~	·i
•		<u> </u>			· · ·	· · · · · ·		<u>-</u> .
		<u> </u>				·.		
• •	<u>_</u>				·····		·····	
		·		·			<u> </u>	
				ATION OF DESIGN		· ,	1-04/	
	gn Specification certil on Report certified by		plan	P.E. State	California Louisiana	··Reg.no		- ·
Dese		D. N. Sharhia			LUUISIANA	Reg. no	20244	<u> </u>
· .			OCDICICAT	TE OF COMPLIANCE				÷
Wer	certify that the statem	ents made in this rem		hat this valve conforms to t	the rules for con	nstruction of the	ASME Code	
	ion III, Division 1.							
1	•			. <u>.</u>				ł
I NV C	Certificate of Authoriz	ation No.	1747	Expire	es	5/20/2004	ļ.	-
1								1
Date	5/14/04	Name	SEE LINE 1	Signed	reit	J.	· .	{

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* Dupplemental information in the form of lists. Sketches, or drawings may be used provided (1) size is E177 + 11 (m - f-----

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	FORM NV-1 (BACK	Pa 2 of 2 \	••• •• •
	LOUNT VA-1 (DAVY		
		Certificate Holder's Seria	No. By-89645
- the undersigned holding	CERTIFICATE	OF INSPECTION loard of Pressure Vessel Inspectors	and the State or Province
of LOUISIANA	and employed by HSB CT	ibed in this Dala Report on 5/	
of HARTFORD, CT. best of my knowledge and	belief. the Certificate Holder has constructed	I this valve in accordance with the A	SME Code. Section III. Division 1.
By signing this certificate, described in this Data Rec	heither the inspector nor his employer makes ort. Furthermore, neither the inspector nor hi	any watranty, expressed or implied s employer shall be liable in any ma	, concerning the component nner for any personal injury or
property damage or a loss	of any kind ansing from or connected with th	is inspection.	
Date Splay Si	Authorized Nuclear Inspector)	Commissions NBTTT	FA D'LAGCLE
	(Autorized Huck a mapeous)		
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RTL # A4.414-A

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1716

Form No.

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

<u> </u>		••	• ,	· .	· · · · · · · · · · · · · · · · · · ·
ner <u>F.E.N.O.C.</u> (NAME)		Date _	•	<u>10/23/20</u>	004
5 South Main Street-Akron, OH 44308 (ADDRESS)	<u> </u>	Sheet	1	of	2
nt Beaver Valley Power Station (NAME)		Unit No.		. 1	•
Shippingport, PA 15077	•	•	Order #	¥200016	415
(1000000)		Re			
rk Performed By <u>BVPS-Construction</u> (NAME)	n Service	Type Co	de Symbol Si	lamp _	N/A
Shippingport, PA15077		Authoriza	ation No	•	N/A
(ADDRESS)	• • • • • • • • • •	Expiratio	n Date		44
	merF.E.N.O.C. (NAME) <u>6 South Main Street-Akron, OH 44308</u> (ADORESS) antBeaver Valley Power Station (NAME) Shippingport, PA 15077 (ADORESS) ork Performed By <u>BVPS-Construction</u> (NAME)	rnerF.E.N.O.C. (NAME) <u>6 South Main Street-Akron, OH 44308</u> (ADORESS) antBeaver Valley Power Station (NAME) Shippingport, PA 15077 (ADDRESS) ork Performed ByBVPS-Construction Service (NAME) Shippingport, PA15077 (ADDRESS)	Image: mer	Image: Shippingport, PA 15077 Date Order formed By BVPS-Construction Service Type Code Symbol Station No.	Image: mer

4. Identification of System <u>Main Steam (Q2)</u>

5. (a) Applicable Construction Code <u>Section III</u> <u>1968</u> Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case

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

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

6. Identification of Components

ير من بعر را ا ASME Corrected Removed. Code National Board Stamped Other Year Built Name of Name of Manufacturer . 01 Manufacturer Installed Component Serial No. No. Identification (Yes or No) 1968 Removed SV-1MS-105C BM-07770 N/A Safety Valve Yes Dresser SV-1MS-105C Dresser Flow · **BY-89646**N/A Safety Valve 2003 Installed Yes Control 4. 12.1 d, ٢

____ psi

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

8. Tests Conducted:

Pneumatic* 🔲 Nominal Operating Pressure 🛛 Exempt 🗍

Test Temp. _____ °F

*Record lest pressure and temperature

Pressure

Hydrostatic*

Other

9. Remarks <u>Code Data Report attached. Also replaced inlet 1-3/8" studs (Ht Nos:8993360/QZC,</u> Applicable Manufacture's Data Reports to be attached 13853-C625, S339,S339, and 13853-D623) and nuts (Ht Nos: K623, 73265-32-2-RXQ, 96582-

.

TTG) all supplied by Nova Machine.

CERTIFICATE OF COMPLIA	ANCE
I certify that the statements made in the report are correct and that t Code, Section XI.	
Type Code Symbol Stamp <u>N/A</u>	· ·
Certificate of Authorization No. <u>N/A</u> Expiration Date	<u> </u>
Signed Alexandre Man JELMUCE Spice Fi Date	<u>November 16</u> , 20 <u>04</u>

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of
Hartford, CT have inspected the components described in this
Owner's Report during the period $4-26-03$ to $11-17-04$, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
bon S. Lynch Commissions <u>I</u> , <i>P</i> , <i>P</i> , <i>i</i> , <i>j</i>
Date <u>11-17-</u> , 20 <u>09</u> .

	2 - E			1716
				•••
				•
			DATA REPORT FOR PRESSURE OR VACU	UM ·
			F VALVES'	•
	. A	Required by the Provisions of the ASM	IE Code, Section III, Division 1	Pg. 1 of 2
			r Inc. La. Hwy 3225 @ US Hwy 167 N	• •
•	Manufactured and ce	rlified by P.O. Box 1430 Alexandria, Lo	(name and address of NY Certificate Holder)	
	Manufactured for	First Energy Corporation P. O. Box 3611 A	•	
•	Manciscureu ioi		(name and address of Punchaser)	
	Location of installatio	First Energy Corporation Beaver Valle	ey Power Station Unit # 2 Shippingport, Penns	sylvania 15077
-	16-1-00 23	D7RA Oriāce size 16.00 S	(name and addinss) of In Norm, Inlet size 6" O	
•		D7RA Orifice size 16.00 S	q and Noin, thet size 0 (h)	utlet size 10"
, - , -	ASNE Code, Section		A Article 9 (2)	NA
	Time	(cation) 1125 34	(dats) (dats)	(Code Case na.)
	Type Sprin		- 101 Sal. 2250 down, pai). (, (razed terms.) (hydra. Test, poin	at 70 °F
	Identification	ey-89646 N/A	3NC2022	2003
		Holder's seriel no.) (CRN)	(Crawing r.a.) (N=CL Bd. No.)	(year buil)
4	Control ring settings	Lower-8 Nolches, Upper+160 Nolch	es	
	Pressure retaining ite	met		
	Trease recorning ite		•	
	•	Serial No. or	Matil. Spec.	Tenslie
		Identification	Including Type or Grade	Strength
	Body	ADP34	ASME SA216 GR WCC	70 ksi
	Bonnet or Yoke	ADN85	ASME SA216 GR WCC	<u>70 ksi</u>
	Support Rods	AD027 & AD028	ASME SA193 GR B6	110 ksi
	Nozzle	ADP06	ASME SA182 GR F316 ASTM A565 GR 616	75 ksi N/A
	Disk Spring Washers	ADF00		· · · · · · · · · · · · · · · · · · ·
	Adjusting Screws		· · · · · · · · · · · · · · · · · · ·	· · ·
	Spindle		· · · · · · · · · · · · · · · · · · ·	
	Spring	· · · · · · · · · · · · · · · · · · ·		
	Bolting			
	Other lierns	Yoke Rod Nul HT #RH99	ASME SA194 GR 2H	N/A
	Flanges	<u></u>	-	
•	Relieving capacity	873,601 Lb/Hr Steam @ 58 (steam or luid, lohr) (pei)	overpressure as certified by the National B	
	Remarks:	(steam or luid, lbfr) (pei)	•	(date)
•				· · · · · · · · · · · · · · · · · · ·
		· · · · · · · · · · · · · · · · · · ·		
	· · · · · · · · · · · · · · · · · · ·			
	·····			
			••••••	/i
	. •	CERTIFICATI	ON OF DESIGN	
	on Specification certifie	d by Louis P. Copian	P.E. State California	Reg. no
si	gn Report certified by	0. K. Sharma	P.E. Slate Louisiana	Reg. no. 20244
				··
_			OF COMPLIANCE	
	entify that the statemer		this valve conforms to the rules for construction	on of the ASME Code,
			- ·	
	on III, Division 1.		•	
cti	on III, Division 1.	/	i Function of the second	100moc (
cti		ion No	Expires	5/20/2004
cti	on III, Division 1. Provide a Authorization	ion No 1747 Name SEE LINE 1		5/20/2004

Supplemental information in the form of lists. Sketches, or drawings may be used provided 111 cize is A-112 v 11 (2) into

NO. 6436 P. 16 **DSESSER-VALVE** JUN. 23. 2004 11:3444 FORM NV-1 (BACK-Pg. 2 of 2 Certificate Holder's Serial No. By-89646 CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Pressure Vesser inspectors and the State or Province and employed by HSB CT. of LOUISIANA have inspected the valve described in this Data Report on 5/17/04 , and state that to the of HARTFORD, CT. best of my knowledge and belief, the Certificate Holder has constructed this valve in accordance with the ASME Code. Section III. Division 1. By signing this continue to a perturbed and the sector not his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or coanected with this inspection. Date 6/17/01 Signed Commissions (Nat'L Bd. (incl. Endorsements) and elate or prov. And no.) (Authorized Nuclear Inspector) <u>.</u>57

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RTL # A4.414-A

				Fo	rm No.		1722
F			isions of the J	RS/REPLACEME ASME Code Sec		ΓΙνπγ	•.*
1. Owner	F.E.N.O.C.		<u> </u>	ate	01/10	/2005	•
76 South	Main Street – Akr (ADDRESS)	on, OH 44308	St	neet1	of	·	1
2. Plant	Beaver Valley F	Power Station	Ur	nit No.	······	1	
	Shippingport, P. (ADDRESS)		• 	Orde Repair/Replacement	er #2000 Organizator		No. , e tc
. Work Perfo	med By <u>FENC</u>	C-Construction	<u>Serv.</u> Ty	pe Code Symbol	Stamp	1	<u>N/A</u>
	Shippingport, P. (ADDRESS)	A 15077		Ithorization No		N/A	·
	•			· · · · · ·		· .	
. Identificatio	n of System	River Water (C	3)				
. (a) Applicable (b) Applicable	e Construction Code le Edition of Section 2	<u>B31.1</u> XI Utilized for Repair		iilion, <u>S'71</u> Addend ivity <u>1989</u>	a,	Code C:	ase
5. (a) Applicable (b) Applicabl (c) Applicabl	Construction Code	<u>B31.1</u> XI Utilized for Repair ase(s): <u>N/A</u>			a,		ase
(b) Applicabl (c) Applicabl	e Construction Code le Edition of Section X le Section XI Code C	<u>B31.1</u> XI Utilized for Repair ase(s): <u>N/A</u>			a, Year Buik*		ASME Code Sumped (Yes or No)
5. (a) Applicable (b) Applicable (c) Applicabl 5. Identificatio	e Construction Code le Edition of Section X le Section XI Code C on of Components	<u>B31.1</u> XI Utilized for Repair ase(s): <u>N/A</u> S Manufacturer	1967 Ed /Replacement Acti	ivity <u>1989</u> Other	Year	Corrected, Removed, or	ASME Code Stamped (Yes or No)
5. (a) Applicable (b) Applicable (c) Applicabl 5. Identificatio	e Construction Code le Edition of Section X le Section XI Code C on of Component: Name of Manufacturer	<u>B31.1</u> XI Utilized for Repair ase(s): <u>N/A</u> S Manufacturer Serial No.	1967 Ed /Replacement Actions National Board No.	Other Identification	Year Beak*	Corrected, Removed, or Installed	ASME Code Sumped (Yes or No)
5. (a) Applicable (b) Applicable (c) Applicabl 5. Identificatio Name of Component Expansion Joint	e Construction Code le Edition of Section X le Section XI Code C on of Component: Name of Manufacturer Garlock	B31.1 XI Utilized for Repain ase(s): <u>N/A</u> S Manufacturer Serial No. N/A	1967 Ed /Replacement Acti	Other Identification REJ-1RW-25A	Year Built* 1995	Corrected, Removed Removed	ASME Code Stamped (Yes or No) No
5. (a) Applicable (b) Applicable (c) Applicabl 5. Identificatio Name of Component Expansion Joint	e Construction Code le Edition of Section X le Section XI Code C on of Component: Name of Manufacturer Garlock	B31.1 XI Utilized for Repain ase(s): <u>N/A</u> S Manufacturer Serial No. N/A	1967 Ed /Replacement Acti	Other Identification REJ-1RW-25A REJ-1RW-25A	Year Built* 1995	Corrected, Removed Removed	ASME Code Stamped (Yes or No) No

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

8. Tests Conducted:

Other 🔲

Pressure

Hydrostatic* Pneumatic* Nominal Operating Pressure K Exempt

۰F

Test Temp.

____ psi

*Record lest pressure and temperature

9.	Remarks	No Code Data Report available. Previous NIS-2 Data Report No. 656. *Year installed.	
		Applicable Manufacturer's Data Reports to be attached	
	Replac	cement 1-1/4" NPT studs Ht. Nos: K339, J662; nuts Ht. Nos: A201, 68395-FSD.	

CERTIFICATE OF COMPLIANCE

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

Certificate of Authorization No.	N/A	Expiration Date	N/A	. .
	Service ner's Designee, Tit	Spacintis Date	January, 10,	20

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of $\frac{2}{2}$ and employed by $\frac{432}{2}$ of

HARTFOR d, CT. have inspected the components described in this

Owner's Report during the period $\frac{4/-26-9/3}{10}$ to $\frac{1-12-9/5}{10}$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Commissions <u>*T*</u>, *N*, *NA* 2389 National Board, State, Province, and Endorsements 1-12- ,20 \$5 Date

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RTL # A4.414-A

	As Requi	red by the Provi	isions of the A	SME Code Sec	tion XI		
Owner	F.E.N.O.C.		Dat	e	_01/10	/2005	
76 South N	fain Street – Akr (ADDRESS)	on, OH 44308	She	et <u>1</u>	of	f	1
Plant	Beaver Valley P	Power Station	Uni	t No		1	
<u></u>	Shippingport, P			Orde	r #2000 Organization		to, etc.
Work Perfo	med By <u>FENC</u>	C-Construction		v e Code Symbol			N/A
	Shippingport, P	A 15077	Aut	horization No.		N/A	
	(200,200)		Exp	iration Date	- <u>.</u>		
Identificatio	n of System	River Water (Q					
	•••••••						
(b) Applicable (c) Applicable			<u>1967</u> Edit		3,	Code Ca	ase
(b) Applicable (c) Applicable	e Edition of Section) e Section XI Code C	(I Utilized for Repair ase(s): <u>N/A</u>	<u>1967</u> Edit Replacement Activ		3, Year Buik*	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
 (b) Applicable (c) Applicable Identification 	e Edition of Section X e Section XI Code C n of Components Name of	(I Utilized for Repair ase(s): <u>N/A</u> S Manufacturer	<u>1967</u> Edit Replacement Activ	ity <u>1989</u> Duher	Year	Corrected, Removed, or	ASME Code Stamped
(b) Applicable (c) Applicable Identification Name of Component	e Edition of Section X e Section XI Code C n of Components Name of Manufacturer	(1 Utilized for Repair ase(s): <u>N/A</u> S Manufacturer Scrial No. N/A	<u>1967</u> Edit Replacement Activ National Board No.	ity <u>1989</u> Other Identification	Year Buik*	Corrected, Removed, or Installed Removed	ASME Code Sumped (Yes or No)
 (b) Applicable (c) Applicable Identification Name of Component xpansion Joint 	e Edition of Section X e Section XI Code C n of Components Name of Manufacturer Garlock	(1 Utilized for Repair ase(s): <u>N/A</u> S Manufacturer Scrial No. N/A	<u>1967</u> Edit Replacement Activ National Board No.	ity <u>1989</u> Other Kentification REJ-1RW-25B	Year Buik* 1995	Corrected, Removed, or Installed Removed	ASME Code Sumped (Yes or No) NO
(b) Applicable (c) Applicable Identification Name of Component Xpansion Joint	e Edition of Section X e Section XI Code C n of Components Name of Manufacturer Garlock	(1 Utilized for Repair ase(s): <u>N/A</u> S Manufacturer Scrial No. N/A	<u>1967</u> Edit Replacement Activ National Board No.	ity <u>1989</u> Other Kentification REJ-1RW-25B	Year Buik* 1995	Corrected, Removed, or Installed Removed	ASME Code Sumped (Yes or No) NO

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

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗋 Nominal Operating Pressure 🛛 Exempt 🗍 Other D Pressure _____ psi

Test Temp. _____ •F

*Record test pressure and temperature

9. Remarks <u>No Code Data Report available</u>. <u>Previous NIS-2 Data Report No. 729</u>. *Year installed. Applicable Manufacturer's Data Reports to be attached Replacement 1-1/4" NPT Studs Ht. Nos: K339; Nuts Ht. Nos: 68395-FSD.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that the Code, Section XI.	is conforms to the requirements of the ASME
Type Code Symbol Stamp <u>N/A</u>	
Certificate of Authorization No. <u>N/A</u> Expiration Date	N/A
Signed <u>HUCE</u> <u>Sension</u> <u>Specialist</u> Date	January, 10, 205

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of $\frac{PA}{A}$ and employed by $\frac{H \pounds \& CT}{F}$ of $\frac{HARTFORd}{CT}$, CT , have inspected the components described in this Owner's Report during the period $\frac{4-2b-3}{2}$ to $\frac{1-12-05}{2}$, 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.
De on S. Dignie Commissions <u>I.N.</u> PA23 ¹ 84 Inspectors Signature National Board, State, Province, and Endorsements

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Date 1-12-

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RTL # A4.414-A

				[,] F	orm No.	. 	1724	
F			visions of the	IRS/REPLACEM ASME Code Se	ction XI			2 • • • •
1. Owner	F.E.N.O.C.	· · ·		Date	01/10	0/2005	·	· .
76 South N	Main Street – Akı (ADORESS)	ron, OH 44308		Sheet1	l0	f		
2. Plant	Beaver Valley F	Power Station		Jnit No		1		•
; 	Shippingport, P	A 15077		Ord Repair/Replaceme	ler #2000 nt Organizatio		ło., etc.	
. Work Perfor	med By <u>FENC</u>	DC-Construction	<u>n Serv.</u> 1	ر ۲ype Code Symbo	l Stamp	1	<u>N/A</u>	
	Shippingport, P (ADDRESS)	A 15077		Authorization No.	• •	<u>N/A</u>		
Identification	n of System			Expiration Date				
				Edition, <u>S71</u> Adden	da,	Code Ca	ase	
	e Edition of Section e Section XI Code C		ir/Replacement A	ctivity1989		· · · · ·		
Identification	n of Component	S	a an	••••••				• • • • • • • • • • • • • • • • • • •
Name of Component	Name of Manufacturer	Manufacturer Serial No,	National Board No.	Other Identification	Year Built*	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)	
xpansion Joint	Garlock	N/A	N/A	REJ-IRW-27A	1995	Removed	No	
xpansion Joint	Garlock	N/A	N/A	REJ-IRW-27A	2004	Installed	No	•

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7. Description of Work <u>Replaced rubber expansion joint, studs and nuts</u>.

8. Tests Conducted:

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Hydrostatic*
Pneumatic*
Nominal Operating Pressure
Exempt Other 🗌 🍐 Pressure ____ _ psi

Test Temp. ۰F

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9. Remarks <u>No Code Data Report available</u>. <u>Previous NIS-2 Data Report No. 629</u>. *Year installed. Applicable Manufacture's Data Reports to be attached Replacement 1-1/4" NPT Studs Ht. Nos: J662; Nuts Ht. Nos: FSD, 68395-FSD.

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CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.	
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>Hubble</u> <u>Service</u> <u>Service</u> <u>Service</u> <u>Date</u> <u>January</u> 10 . 20 <u>05</u>	
CERTIFICATE OF INSERVICE INSPECTION	-
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of A and employed by $ASBCT$ of HARTFORCI, CT, have inspected the components described in this Owner's Report during the period $4-26-93$ to $1-12-95$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
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1. Owner	F.E.N.O.C.	<u>.</u>	<u>i</u> grad Dat	e	01/13	/2005	
76 South M	ain Street – Akro (ADDRESS)	on, OH 44308	<u>-</u> She	et1	01	i:	2
2. Plant	Beaver Valley Po (NAME)	ower Station		t No	. <u></u>	1	•
	Route 168 - Ship (ADDRESS)	ppingport, PA 15		Orde Repair/Replacement	r #2000 Organization	70163 1 P.O. No., Job N	lo., etc.
B. Work Perform	med By <u>FENO</u>			e Code Symbol	Stamp	!	N/A
	Route 168 - Shir (ADDRESS)			horization No		<u>N/A</u>	
i. (a) Applicable (Construction Code	B31.1	1967 Editi	on. S'71 Addend	a.	N/A Code (Case
(c) Applicable	Edition of Section X Section XI Code Ca of Components	l Utilized for Repair/ se(s): <u>N/A</u>	Replacement Activ				<u>. </u>
(c) Applicable	Section XI Code Ca	l Utilized for Repair/ se(s): <u>N/A</u> Manufacturer Serial No.	Replacement Activ		Year Buik	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
(c) Applicable . Identification Name of	Section XI Code Ca of Components	I Utilized for Repair/ se(s): <u>N/A</u> Manufacturer Serial No. 10548	Replacement Activ	ity <u>1989</u> Other	Year	Corrected, Removed, , or	ASME Code Stamped
(c) Applicable . Identification Name of Component	Section XI Code Ca of Components Name of Manufacturer	I Utilized for Repair/ se(s): <u>N/A</u> Manufacturer Serial No. 10548	Replacement Activi	ity1989 Other Identification	Year Buik	Corrected, Removed, 1 or Installed	ASME Code Stamped (Yes or Ne
(c) Applicable . Identification Name of Component Nozzle Check	Section XI Code Ca of Components Name of Manufacturer Enertech	I Utilized for Repair/ se(s): <u>N/A</u> Manufacturer Serial No. 10548	Replacement Activ	ity <u>1989</u> Other Identification 1MS-18	Year Built 1997 2002	Corrected, Removed, or Installed Removed	ASME Code Stamped (Yes or No Yes
(c) Applicable . Identification Name of Component Nozzle Check	Section XI Code Ca of Components Name of Manufacturer Enertech	I Utilized for Repair/ se(s): <u>N/A</u> Manufacturer Serial No. 10548 11236	Replacement Activ	ity <u>1989</u> Other Identification 1MS-18	Year Built 1997 2002	Corrected, Removed, or Installed Removed	ASME Code Stamped (Yes or No Yes

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🗍 Nominal Operating Pressure 🛛 Exempt 🗌

Pressure _____ psi Test Temp. _____ °F

"Record lest pressure and temperature

Other 🗌

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FORM NIS-2 (Back)

9. Remarks <u>Code Data Report attached</u>. <u>Previous NIS-2 Data Report Nos: 953, 842, 600, 498, 311</u>. Applicable Manufacturer's Data Reports to be attached <u>264, and 142</u>. Valves were supplied as ASME Section III 1971E-S'72A but are installed in a B31.1

system. New 3/"NPT studs: Ht. #F863 and P127. Valve serial number 11236 disc was replaced

by Enertech under Purchase Order 55100560, new disc Ht. Code KUJ-6111, year built-2003.

CERTIFICATE OF COMPLIANCE							
I certify that the statements made in the report are Code, Section XI.	correct and that this conforms to the requirements of the ASME						
Type Code Symbol Stamp	N/A ·						
Certificate of Authorization No. <u>N/A</u> E	Expiration DateN/A						
Signed <u>AUT Servis</u> Speciel	57 Date February 1, 20						

CE	ERTIFICATE OF INSERVICE INSPECTION
and the State or Province of <u>Pennsylva</u> Hartford, CT	sion issued by the National Board of Boiler and Pressure Vessel Inspectors ania and employed by <u>HSB CT</u> of have inspected the components described in this
Owner's Report during the period	4 - 26 - 83 to $2 - 1 - 85$, and state that to the
	er has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requ	•
	cribed in this Owner's Report. Furthermore, neither the inspector nor his employer nal injury or property damage or a loss of any kind arising from or connected with
Jean J. Frigmik	Commissions <u>T</u> , <u>PA2384</u> National Board, State, Province, and Endorsements

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

· · · · . .

P.g. 1 of ____

		•	ina ina	me and addres	s of N Certificate Ho	50 Birch Si Ider)	
. Manufactured for	F	First Energ	y Corp.: P.	O. Box 36	11; Akron, OH	44309-361	1
				and address o			•
. Location of Installati	an B	eaver Valle			ute 168; Shippi	naport, PA	15077
. LOCATION OF INStandt				(name and			
	-	DRV-Z	_ Drawing	PD9840)1 Rev	F	CRN None
. Model No., Series No.	o., or type		_ · Drawing .		Nev	· · ·	ChN
. ASME Code, Section	n III Division 1.	197	1	S72	3	, -	None
. Asivie code, section		(editio		(addenda dat	e) (clas	is)	(Code Case no.)
Pump or valve Nozz	le Check Valve	Nominal ini		. 3	Outlet size	3	
. Fullip of valve	·····			(in.)		{in.}	······································
. Material: Body	SA-105	Bonnet	N/A .	Diek	SA-479 Type 31	6 Bolting	N/A
			···· · · ·			- coung.	
(a)	(b)	•			. (d)		(e)
Cert.	Nat'i		Boch	,	Bonnet		Disk
Holder's	Board		Seria		Serial		Serial
Serial No.	No.		No.		No.		No.
11236	None		KLT-0		None		JZE-003
					None		021-005
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		<mark>و در داد</mark>		<u>,</u>			
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· <u>·····</u>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	<u>ni</u>		· · · · · · · · · · · · · · · · · · ·		<u> </u>
							
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• Supplemental Information in form of lists, sketches, or drawings may be used provided (1) size is 8% × 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.

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

REPRINT 6/93

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

- - -

	•	Certificate Holder	's Serial No	11236
14/	ол [.] Бео			COO
8. Design conditions110			dass	600
(press		Ke)		
9. Cold working pressure	<u>1440 :</u> psi at 100°F			
D. Hydrostatic test2175	psi. Disk differential test		1600	
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
1. Remarks: Qty. 1, Enertech J	lob Number 28199V			
I. Remarks:		······		
· · · · · · · · · · · · · · · · · · ·		······································		
		······		
<u></u>				<u>:</u>
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	·			
	CERTIFICATION	OF DESIGN		
	Empire M. Conducer			0000145
Design Specification certified by	Francis W. Gardner	P.E. State PA	Reg. no	036614-E
Design Report certified by	Ira J, Silverman	P.E. StateUA	Reg. no	23241
<u> </u>				
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· · · · · · · · · · · · · · · · · · ·	CERTIFICATE OF C			
	CERTIFICATE OF C	OMPLIANCE	 	
-	le in this report are correct and t		ns to the rules f	or construction
of the ASME Code, Section III, Divi	le in this report are correct and t ision 1.			
of the ASME Code, Section III, Divi	le in this report are correct and t ision 1.			or construction
We certify that the statements mad of the ASME Code, Section III, Divi N Certificate of Authorization No	le in this report are correct and t ision 1. N-2826	hat this pump or valve conform 		
of the ASME Code, Section III, Divi N Certificate of Authorization No_	le in this report are correct and t ision 1. N-2826	hat this pump or valve conform 	10/1 ÆW/12	1/05 tatas
of the ASME Code, Section III, Divi	le in this report are correct and t ision 1. N-2826	hat this pump or valve conform 		1/05 tatas
of the ASME Code, Section III, Divi N Certificate of Authorization No_	le in this report are correct and t ision 1. N-2826	hat this pump or valve conform 	10/1 ÆW/12	1/05 tatas
of the ASME Code, Section III, Divi N Certificate of Authorization No	le in this report are correct and t ision 1. N-2826	hat this pump or valve conform 	10/1 ÆW/12	1/05 tatas
of the ASME Code, Section III, Divi N Certificate of Authorization No_	le in this report are correct and t ision 1. N-2826	hat this pump or valve conform 	10/1 ÆW/12	1/05 tatas
of the ASME Code, Section III, Divi N Certificate of Authorization No_	le in this report are correct and t ision 1. N-2826 rech. A Div. of Curtiss-Wright Flow Control (N Cartificate Holder)	hat this pump or valve conform <u>Expires</u> <u>Com</u> Signed fauth	10/1 ÆW/12	1/05 tatas
of the ASME Code, Section III, Divi N Certificate of Authorization No_	le in this report are correct and t ision 1. N-2826	hat this pump or valve conform <u>Expires</u> <u>Com</u> Signed fauth	10/1 ÆW/12	1/05 tatas
of the ASME Code, Section III, Divi N Certificate of Authorization No_ Date <u>////////////////////////////////////</u>	le in this report are correct and t ision 1. N-2826 nech, A Div. of Curtiss-Wright Flow Control (N Cartificate Holder) CERTIFICATE OF I	that this pump or valve conform	10/1 Ewlar orized represente	1/05 tatas nive)
of the ASME Code, Section III, Divi N Certificate of Authorization No_ Date <u>////////////////////////////////////</u>	le in this report are correct and t ision 1. N-2826 nech, A Div. of Curtiss-Wright Flow Control (N Cartificate Holder) CERTIFICATE OF I	that this pump or valve conform <u>Con</u> Signed <u>Con</u> fauth INSPECTION ational Board of Boiler and Pr	10/1 Cellar orized represente	1/05 fatar nive)
of the ASME Code, Section III, Divi N Certificate of Authorization No Date	le in this report are correct and t ision 1. N-2826 nech. A Div. of Curtiss-Wright Flow Control (N Certificate Holder) CERTIFICATE OF I commission issued by the Na California	that this pump or valve conform <u>Com</u> Signed <u>Com</u> INSPECTION ational Board of Boiler and Pr and employed by	10/1 DEW for orized represente essure Vessel HSB CT	1/05 tatas nive) Inspectors and
of the ASME Code, Section III, Divi N Certificate of Authorization No Date	le in this report are correct and t ision 1. N-2826 nect. A Div. of Curliss-Wright Flow Control (N Cartificate Holder) CERTIFICATE OF I d commission issued by the Ni California	hat this pump or valve conform <u>Expires</u> <u>Com</u> Signed (auth (NSPECTION ational Board of Boiler and Pr and employed by	10/1 CELLIAT orized represente essure Vessel HSB CT	1/05 Latan rive) Inspectors and
of the ASME Code, Section III, Divi N Certificate of Authorization No Date	le in this report are correct and t ision 1. N-2826 nect. A Div. of Curliss-Wright Flow Control (N Cartificate Holder) CERTIFICATE OF I d commission issued by the Ni California	hat this pump or valve conform <u>Expires</u> <u>Com</u> Signed (auth (NSPECTION ational Board of Boiler and Pr and employed by	10/1 CELLIAT orized represente essure Vessel HSB CT	1/05 Latan rive) Inspectors and
of the ASME Code, Section III, Divi N Certificate of Authorization No Date <u>////////////////////////////////////</u>	le in this report are correct and t ision 1. N-2826 rech, A Div. of Curliss-Wright Flow Control (N Certificate Holder) CERTIFICATE OF I d commission issued by the Na California cuthave in: _, and state that to the best o	hat this pump or valve conform <u>Com</u> Signed INSPECTION ational Board of Boiler and Pr and employed by spected the pump, or valve, do f my knowledge and belief, ti	10/1 CELLIAT orized represente essure Vessel HSB CT	1/05 Latan rive) Inspectors and
of the ASME Code, Section III, Divi N Certificate of Authorization No Date <u>////////////////////////////////////</u>	le in this report are correct and t ision 1. N-2826 rech, A Div. of Curliss-Wright Flow Control (N Certificate Holder) CERTIFICATE OF I d commission issued by the Na California cuthave in: _, and state that to the best o	hat this pump or valve conform <u>Com</u> Signed INSPECTION ational Board of Boiler and Pr and employed by spected the pump, or valve, do f my knowledge and belief, ti	10/1 CELLIAT orized represente essure Vessel HSB CT	1/05 Latan rive) Inspectors and
of the ASME Code, Section III, Division Normal Section Normal Normal Section Nor	le in this report are correct and t ision 1. N-2826 nech. A Div. of Curtiss-Wright Flow Control (N Cartificate Holder) CERTIFICATE OF I d commission issued by the Na California Cut have ins ., and state that to the best o cordance with the ASME Code,	that this pump or valve conform <u>Expires</u> <u>Con</u> Signed Isouth INSPECTION ational Board of Boiler and Pr and employed by spected the pump, or valve, de f my knowledge and belief, ti Section III, Division 1.	10/1	1/05 Latar nive) Inspectors and Data Report of Holder has con
of the ASME Code, Section III, Divi N Certificate of Authorization No Date <u>///22/02</u> NameEne I, the undersigned, holding a valid the State or Province of of	le in this report are correct and t ision 1. N-2826 nech, A Div. of Curtiss-Wright Flow Control (N Cartificate Holder) CERTIFICATE OF I d commission issued by the Na California Cut have ins , and state that to the best o cordance with the ASME Code, the inspector nor his employer	that this pump or valve conform <u>Con</u>	10/1	1/05 Latar nive) Inspectors and Data Report or Holder has con concerning th
of the ASME Code, Section III, Divi N Certificate of Authorization No Date <u>///22/02</u> NameEne I, the undersigned, holding a valid the State or Province of of	le in this report are correct and t ision 1. N-2826 nech, A Div. of Curtiss-Wright Flow Control (N Cartificate Holder) CERTIFICATE OF I d commission issued by the Na California Cut have ins , and state that to the best o cordance with the ASME Code, the inspector nor his employer	that this pump or valve conform <u>Con</u>	10/1	1/05 Latar nive) Inspectors and Data Report or Holder has con concerning th
of the ASME Code, Section III, Divi N Certificate of Authorization No Date <u>////////////////////////////////////</u>	le in this report are correct and t ision 1. N-2826 red, A Div. of Curtiss-Wright Flow Control (N Certificate Holder) CERTIFICATE OF I d commission issued by the Na California Cut have ins , and state that to the best o cordance with the ASME Code, the inspector nor his employer Report. Furthermore, neither the	hat this pump or valve conform 	10/1 DEWIAT orized represents ressure Vessel HSB CT escribod in this he Certificate H sed or implied, hall be liable in	1/05 Latar nive) Inspectors and Data Report or Holder has con concerning th
of the ASME Code, Section III, Divi N Certificate of Authorization No Date <u>///22/02</u> NameEne I, the undersigned, holding a valid the State or Province of of (II-22-02) structed this pump, or valve, in acc By signing this certificate, neither component described in this Data I any personal injury or property dar	le in this report are correct and t ision 1. N-2826 rech, A Div. of Curliss-Wright Flow Control (N Certificate Holder) CERTIFICATE OF I d commission issued by the Na California cut have ins , and state that to the best o cordance with the ASME Code, the inspector nor his employer Report. Furthermore, neither the nage or a loss of any kind arisin	hat this pump or valve conform <u>Com</u>	10/1 <u>EUJac</u> orized representa HSB CT escribod in this he Certificate I sed or implied, hall be liable in inspection.	1/05 Latan Inspectors and Data Report of Holder has cont concerning the any manner for
of the ASME Code, Section III, Divi N Certificate of Authorization No Date <u>///22/02</u> NameEne I, the undersigned, holding a valid the State or Province of of Connectic of (1 - 2 > -0 2) structed this pump, or valve, in acc By signing this certificate, neither component described in this Data I any personal injury or property dar	le in this report are correct and t ision 1. N-2826 rech, A Div. of Curliss-Wright Flow Control (N Certificate Holder) CERTIFICATE OF I d commission issued by the Na California cut have ins , and state that to the best o cordance with the ASME Code, the inspector nor his employer Report. Furthermore, neither the nage or a loss of any kind arisin	hat this pump or valve conform <u>Com</u>	10/1 <u>EUJac</u> orized representa HSB CT escribod in this he Certificate I sed or implied, hall be liable in inspection.	1/05 Latan Inspectors and Data Report of Holder has cont concerning the any manner for
of the ASME Code, Section III, Divi N Certificate of Authorization No Date	le in this report are correct and t ision 1. N-2826 rech, A Div. of Curliss-Wright Flow Control (N Certificate Holder) CERTIFICATE OF I d commission issued by the Na California cut have ins , and state that to the best o cordance with the ASME Code, the inspector nor his employer Report. Furthermore, neither the nage or a loss of any kind arisin	hat this pump or valve conform 	10/1 <u>EWIA</u> orized represente HSB CT escribod in this he Certificate H sed or implied, hall be liable in inspection. <u>DB 94</u>	1/05 Latan Inspectors and Data Report of Holder has cont concerning the any manner for 35 N

(1) For manually operated velves only.

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RTL	#	A4	.4	14	-A	-
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		-	· · ·	Fo	rm No.		1726
F	ORM NIS-2 OW As Requir		isions of the A	S/REPLACEME SME Code Sec			•
<u></u>							
1. Owner	F.E.N.O.C.	1 (2017)	<u>Dal</u>	e	01/13	8/2005	<u> </u>
76 South M	tain Street – Akr (ADDRESS)	on, OH 44308	_ She	et1	0	f	1
2. Plant	Beaver Valley P	ower Station	Uni	t No		1	•
	Route 168 - Shi			Orde Repair/Replacement			la elc
	(12011200)			•••,*••	. :		
3. Work Perfor	med By <u>FENC</u>	C-Maintenance (NAME)		e Code Symbol	-		N/A
<u></u>	Route 168 - Shi	ippingport, PA 1	5077 Aut	horization No.	• 	<u>N/A</u>	· · ·
	(ADDRESS)	· · · · · ·	Exp	piration Date		N/A	
. Identification	n of System		1			•	· · ·
	Construction Code			Edition,N/A	Addend	a, <u>N/A</u>	Code Cas
(b) Applicable	e Edition of Section >	(I Utilized for Repair/	Replacement Activ	ity1989		•••	····
(c) Applicable	e Section XI Code Ca	ase(s): <u>N/A</u>			·	•	
6. Identification	n of Components	5			•		
·	· · · · · · · · · · · · · · · · · · ·	<u> </u>	· · · · · · · · · · · · · · · · · · ·	r	·	<u> </u>	
Name of Component	Name of Manufacturer	Manufacturer	National Board No.	Other Identification	Year Buik*	Corrected, Removed, or Installed	ASME Code Stamped (Yes or N
Check Valve	Crane	N/A	N/A	1MS-80	1976	Corrected	No
linge Pin Plug	Crane Nuclear	N/A	N/A	N/A	2004	Installed	No
•				• • •		· · · ·	····
				•	+		

7. Description of Work Replaced and seal welded hinge pin plug. Replaced cover studs and

nuts. Excavated and repair welded linear indication associated with seal weld.

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8. Tests Conducted:

Other 🗌

Hydrostatic* Pneumatic* Nominal Operating Pressure X Exempt Test Temp. _____ °F Pressure _____ psi

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. *Record lest pressure and temperature

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FORM NIS-2 (Back)

9. Remarks No Code Data Report available. Previous NIS-2 Data Report Nos: 1557, 1406, 1209, 1018 Applicable Manufacture's Data Reports to be attached 843, 601 and 144. *year installed. New 5/8* NPT Cover studs: Ht. #M796, nuts: Ht. #M797.

Repair in valve body was 1/2" from the toe of the hinge pin plug seal weld. Excavation was

____approx. .250" deep prior to weld repair.

CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>Signed Service Special 11</u> Date January 13 , 20 05
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period $4/-2.6-\sqrt[4]{3}$ to $1/-1.4-\sqrt[4]{5}$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. $\underbrace{Machar}_{\text{transform}} \underbrace{Machar}_{\text{transform}} M$
Date 1-14-, 20 \$5

RTL # A4.414-A

		• • •			Form No.		<u>1727</u>
F		NER'S REPORT red by the Provi				ΓΙνΙΤΥ	
1. Owner	F.E.N.O.C.	·	Da	te	01/13	3/2005	·
76 South M	lain Street – Akr (ADORESS)	on, OH 44308	She	eet	<u>1</u> 0	f	1
2. Plant	Beaver Valley P		Uni	it No		1	•
	Route 168 - Shi (ADDRESS)	ppingport, PA 15		OI Repair/Replacer	rder #2000 nent Organizatio)65001 n P.O. No., Job N	
3. Work Perfor	med By <u>FENC</u>	C-Maintenance	ΤΥ̓Υ̣	e Code Symt	ool Stamp	1	N/A
<u></u>	Route 168 - Sh	ippingport, PA 1	5077 Aut	horization No	• • •	_N/A	·
	,		Exp	piration Date		<u>N/A</u>	
4. Identification	n of System	Main Steam (O	2)				
5. (a) Applicable	Construction Code	ANSI B16	5.5/16.34 _ 1973	Bedition	N/A Addend	aN/A(Code Cas
(b) Applicable (c) Applicable	e Edition of Section) e Section XI Code C	KI Utilized for Repair/ ase(s): <u>N/A</u>		•		· · ·	•
6. Identification	n of Components		· · · · · · ·				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built*	Corrected, Removed, or Installed	ASME Code Stamped (Yes or N
Check Valve	Crane	N/A	N/A	1MS-81	1976	Corrected	No
Hinge Pin Plug	Crane Nuclear	N/A	N/A	N/A	2004	Installed	No
	··· ·		2 C	· · ·		• • • •	

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nuts. Excavated and repair welded linear indication associated with seal weld.

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8.	Tests Conducted:	Hydrostatic	* 🔲	Pneumat	ic* 🔲	Nomi	nal Operating F	Pressure 🛛	Exempt
		Other	Press	sure	•	psi	Test Temp.		٥F

*Record lest pressure and temperature

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9. Remarks <u>No Code Data Report available</u>. <u>Previous NIS-2 Data Report Nos: 1558, 1407, 1210, 1158</u> Applicable Manufacture's Data Reports to be attached 997, 907, 844, 665, 537 and 168. *year installed. <u>New 5/8* NPT Cover studs: Ht. #M796, nuts: Ht.</u>

#M797. Repair in valve body was 1/2" from the toe of the hinge pin plug seal weld. Excavation was

.

approx. .250" deep prior to weld repair.

CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>Hit was</u> <u>Service</u> <u>Special IST</u> Date <u>January 13</u> , 20 <u>05</u>
······································
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period $\frac{y'-2\sqrt{-9.3}}{2\sqrt{-9.3}}$ to $\frac{1-14-9.5}{2\sqrt{-9.5}}$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Dean I. Lignite Commissions I, N. P42384 Inspectors Signature National Board, State, Province, and Endorsements
Date 1-14-, 20 \$ 5

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··· · RTL # A4.414-A

F.	ORM NIS-2 OWN As Require		• • • • • •	•		•• •	1728
1. Owner	F.E.N.O.C.	· · · · · ·	Dal	e	01/13	3/2005	· ·
76 South M	(NAME) 1ain Street — Akro (ADORESS)	on, OH 44308	She	eet <u>1</u>	0	f <u></u>	<u>1</u>
2. Plant	Beaver Valley Po	ower Station		t No		1	•
	Route 168 - Ship	pingport, PA 15	• • •	Orde Repair/Replacement)65002 n P.O. No., Job N	lo., etc.
. Work Perfor	med By <u>FENO</u>	C-Maintenance (NAME)	Tý p	e Code Symbol	Stamp	!	N/A
	Route <u>168 – Shir</u> (ADORESS)	opingport, PA 1		horization No piration Date _		<u>N/A</u> N/A	
	e Edition of Section XI	-	Replacement Activ	ity1989			· •
	e Section XI Code Ca n of Components Name of	Se(s): <u>N/A</u>		Other	Yer	Corrected, Removed, ar	ASME Code Stamped
6. Identification	n of Components	Manufacturer Serial No. N/A	National Board No. N/A	Other Identification 1MS-82	Year Buik* 1976	Removed,	Code Stamped (Yes or No
5. Identification	n of Components	Maaufacturer Serial No.	National Board No. N/A	Identification	Buik*	Removed, or Installed	Code Stamped (Yes or No
Name of Component Check Valve	n of Components Name of Manufacturer Crane	Manufacturer Serial No. N/A	National Board No. N/A	IMS-82	виік* 1976	Removed, or Installed Corrected	Code Stamped (Yes or No NO
5. Identification	n of Components Name of Manufacturer Crane	Manufacturer Serial No. N/A	National Board No. N/A	IMS-82	виік* 1976	Removed, or Installed Corrected	Code Stamped (Yes or No NO
. Identification	n of Components Name of Manufacturer Crane	Manufacturer Serial No. N/A	National Board No. N/A	IMS-82	виік* 1976	Removed, or Installed Corrected	Code Stamped (Yes or No NO

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🖾 Nominal Operating Pressure 🛛 Exempt 🗍 Other Pressure _____ psi Test Temp. _____ °F

*Record lest pressure and lemperature

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9. Remarks No Code Data Report available. Previous NIS-2 Data Report Nos: 1559, 1408, 1211, 1019 Applicable Manufacturer's Data Reports to be attached 845, 666, and 148. *year installed. New 5/8" NPT Cover studs: Ht. #M796, nuts: Ht. #M797.

Repair in valve body was at the toe of the hinge pin plug seal weld. Excavation was approx. 125" deep.

CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	
Signed <u>Hurte</u> <u>Sevier</u> <u>Specialist</u> Date <u>January 13</u> , 20 <u>05</u>	
CERTIFICATE OF INSERVICE INSPECTION	

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period 4 - 26 - 63 to 1 - 14 - 65, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this

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

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 _____, 20 ____5 Date

RTL # A4.414-A

• · 1735 Form No.

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

Owner First Energy Corp	Date November 10, 2004
76 South Main Street, Akron, OH 44308 (ADORESS)	Sheet <u>1</u> of <u>2</u>
Plant Beaver Valley Power Station	Unit No1
Shippingport, PA 15077	200015627 Repair/Replacement Organization P.O. No., Job No., etc.
Work Performed By	Type Code Symbol Stamp <u>N/A</u>
Shippingport, PA 15077	Authorization No. N/A
(ADDRESS)	Expiration Date N/A

5. (a) Applicable Construction Code ASME III Class 2 1971 Edition, W 1972 Addenda, - Code Case

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

(c) Applicable Section XI Code Case(s) N-416-2

6. Identification of Components

Name of Component	Name of Manufactures	Manufacturer Serial No.	National Board No	Other Identification	Year Buik	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
. ·		• • • •					• • •
HYV-1FW- 100A	FLOWSERVE	AU201	n an <mark>a</mark> nn an Airteachan a	-	2002	INSTALLED	• NO
• • • •			•	·			
				ſ			-

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Flowserve - Edward Vogt Valve Co.

7. Description of Work ___Installation of fast acting feedwater isolation valves (FWIVs) into the feedwater lines upstream of containment isolation check valves.

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🔲 Nominal Operating Pressure 🛛 Exempt 🗍 Pressure <u>Normal</u> psi Test Temp. ___ Normal_ °F Other

"Record test pressure a FORM 1/2-ADM-0801.F02 REV 2

RTL # A4.414-A

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9. Remarks <u>No code data report available</u>

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASM Code, Section XI. fype Code Symbol Stamp N/A
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASM Code, Section XI. Type Code Symbol Stamp
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASM ode, Section XI. ype Code Symbol Stamp
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASM ode, Section XI. The Code Symbol Stamp
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASM ode, Section XI. y_{pe} Code Symbol Stamp
ode, Section XI. ype Code Symbol Stamp
ertificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> igned <u>MTMM</u> , <u>Moult</u> <u>Managen</u> Date <u>(2/G/O 4</u> , 20) <u>Owner or Owner's Designee, Tite</u> CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>PA</u> and employed by <u>HSB CT</u> of <u>HAETFORD</u> , CT have inspected the components described in this Owner's Report during the period <u>$4-26-03$</u> to <u>$12-6-04$</u> , and state that to the
igned $MFUSh$, $Mgulf Marapa Date 12609$, 20 Owner or Owner's Designee, Tate CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PA and employed by $HSB CT$ of $HArrford, CT$ have inspected the components described in this Owner's Report during the period $4-26-03$ to $12-6-04$, and state that to the
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of \underline{PA} and employed by $\underline{HSB \ CT}$ of $\underline{HActroord}$, CT have inspected the components described in this Owner's Report during the period $\underline{4-26-03}$ to $\underline{12-6-04}$, and state that to the
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of \underline{PA} and employed by \underline{HSBCT} of $\underline{HAercord}$, CT have inspected the components described in this Owner's Report during the period $\underline{4-26-03}$ to $\underline{12-6-04}$, and state that to the
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of \underline{PA} and employed by \underline{HSBCT} of $\underline{HAercord}$, CT have inspected the components described in this Owner's Report during the period $\underline{4-26-03}$ to $\underline{12-6-04}$, and state that to the
and the State or Province of \underline{PA} and employed by \underline{HSBCT} of $\underline{HAcrFORG}$, CT have inspected the components described in this Owner's Report during the period $\underline{4-26-03}$ to $\underline{12-6-04}$, and state that to the
Owner's Report during the period $4-26-03$ to $12-6-04$, and state that to the
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Dear Shiph Commissions I, J PA2384 Inspector's Signature Commissions And Endorsements
Date $12-6-$, 20 04

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					Fo	orm No	1736
F	ORM NIS-2 OW As Requir	NER'S REPORT ed by the Prov					· ·
1. Owner	First Energy C		• • • • • • • • • • •	Date	November	r 10, 2004	<u></u>
<u>76 South</u>	Main Street, Akro (ADDRESS)	n, OH 44308	_	Sheet	1	of	2
2. Plant	Beaver Valley P	ower Station		Unit No.	- 	1	······································
Shi	ppingport, PA 150 (ADDRESS))77		Re	pair/Replacemer	200015586 It Organization P.O. No., Job	No, elc.
3. Work Perfo	rmed By <u>FENO</u>	C - Construction	<u>n</u>	Type Co	de Symbo	I Stamp	<u>N/A</u>
Shi	ppingport, PA 15	077		Authoriza	ation No	<u>N/A</u>	· · ·
	pooness).	•	•	Expiratio	n Date	<u>N/A</u>	
4. Identificatic	n of System	Feedwater, BV	-1-24-Svs	tem (Q2)			
(b) Applicabl (c) Applicabl	e Construction Code le Edition of Section X le Section XI Code Ca In of Components	I Utilized for Repair ise(s) N-416-2				- Code Case	
	<u></u>	·	rr	· · ·			· · · · · · · · · · · · · · · · · · ·
Name of Component	Name of Manufacturer	Manufacturer • Serint No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
			Board			Removed, or	Code Stamped
			Board No.			Removed, or	Code Stamped
Component HYV-1FW-	Manufactorer	- Serial No.	Board No.		Buik 2002	Removed, or Installed	Code Stamped (Yes or No)

: • .

Flowserve – Edward Vogt Valve Co.

7. Description of Work ____Installation of fast acting feedwater isolation valves (FWIVs) into the feedwater lines upstream of containment isolation check valves.

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

Record less pressure and temperature FORM %-ADM-0801.F02 REV 2

RTL # A4.414-A

	Applicable Manufacturer's Data Report	13 10 De atlached
<u> </u>		•
	·	·
	CERTIFICATE OF COMPLIA	ANCE
I certify that the statements mode, Section XI.	nade in the report are correct and that t	his conforms to the requirements of the ASM
ype Code Symbol Stamp	N/A	<u>\</u>
ertificate of Authorization No.	<u>N/A</u> Expiration Date	N/A
igned MATESTE	Project Manie gen Date	12/6/04 20
	CERTIFICATE OF INSERVICE INS	PECTION
and the State or Province of Owner's Report during the period	ne Owner has performed examinations and	4erred, cr. ribed in this 12-6-04, and state that to the taken corrective measures described in this
Owner's Report in accordance with		
Owner's Report in accordance with By signing this certificate neither th examinations and corrective measu	e inspector nor his employer makes any wa res described in this Owner's Report. Furth	nranty, expressed or implied, concerning the hermore, neither the inspector nor his employer oss of any kind arising from or connected with
Owner's Report in accordance with By signing this certificate neither th examinations and corrective measu shall be liable in any manner for an	e inspector nor his employer makes any wa res described in this Owner's Report. Furth	nranty, expressed or implied, concerning the hemore, neither the inspector nor his employer

12

RTL # A4.414-A

					F	orm No	1737
F	FORM NIS-2 OW As Requir	NER'S REPOR red by the Prov					
Owner	First Energy C	Corp	·····	Date	Novembe	r 10, 2004	
_76 South	Main Street, Akro (ADDRESS)	on, OH 44308		Sheet	1	of	2
. Plant	Beaver Valley P	ower Station		Unit No.	· · · · · · · · · · · · · · · · · · ·	1	•
Shi	ppingport, PA 150 (ADORESS)		<u>;</u>	R	epair/Replaceme	20001545 nt Organization P.O. No.,	
Work Perfo	med By <u>FENC</u>	C - Construction	<u>n</u> .	Type Co	de Symbo	I Stamp	<u>N/A</u>
Shi	ippingport, PA 15	077		. Authoriz	ation No.	N//	<u>A</u>
•	(10011200)	•	•	Expiratio	on Date	<u> </u>	<u>\</u>
Identificatio	n of System	Feedwater, BV	<u>/-1-24-Sγ</u>	stem (Q2)			
(b) Applicabl	e Construction Code le Edition of Section X le Section XI Code Ca	I Utilized for Repair				- Code Case	•
Identificatio	n of Components						• . •
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
· · ·				-			1
IYV-1FW 100C	FLOWSERVE	AU203			2002	INSTALLEI	D NO
•						· · ·	
<u> </u>				٤			

Flowserve - Edward Vogt Valve Co.

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7. Description of Work _____Installation of fast acting feedwater isolation valves (FWIVs) into the feedwater lines upstream of containment isolation check valves.

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗋 Nominal Operating Pressure 🛛 Exempt 🗍 Other 🗌 Pressure <u>Normal</u> psi

Test Temp. ____Normal_ °F

*Record test pressure and temperature FORM 1/2-ADM-0801.F02 REV 2

RTL # A4.414-A

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	Applicable Manufacturer's Data Reports to be attached
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<u></u>	· · · · · · · · · · · · · · · · · · ·
·	
. <u>.</u>	
•	CERTIFICATE OF COMPLIANCE
I certify that code, Section	e statements made in the report are correct and that this conforms to the requirements of the ASI
ype Code Syr	ool Stamp N/A
ertificate of A	horization No. <u>N/A</u> Expiration Date <u>N/A</u>
ignedM	Cferby, Project Mangen Date 12/6/04- 20_
I, the undersign	CERTIFICATE OF INSERVICE INSPECTION d, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors Province of \underline{PA} and employed by \underline{HJBCT} of $HARTRIE C.T.$
	have inspected the components described in this
	uring the period $4/-26-03$ to $12-6-04$, and state that to the
-	edge and belief, the Owner has performed examinations and taken corrective measures described in this a accordance with the requirements of the ASME Code, Section XI.
examinations a	rtificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the I corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer any manner for any personal injury or property damage or a loss of any kind arising from or connected with
_ban	1. hunder Signature Commissions In PA2384 National Board, State, Province, and Endorsements
Date <u>1</u>	- 6 20 04
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RTL # A4.414-A

		• • •		ⁱ Fo	rm No.		1740
F				IRS/REPLACEME ASME Code Sec		ΓΙVITY	
1. Owner	F.E.N.O.C.		C	Date	12/15	5/2004	•
76 South N		ron, OH 44308	S	Sheet1	0	f	1
2. Plant	Plant Beaver Valley Power Station					1	•
	Route 168 - Shi	ppingport, PA 15	• • •	Orde Repair/Replacement	r # 2000	059462	lo., elc.
3. Work Perfo	rmed By <u>BVPS</u>	S-Maintenance	יייני או ד	ype Code Symbol			<u>N/A</u>
	Route 168 - Shi	ppingport, PA 15	5077A	uthorization No	<u> </u>	<u>N/A</u>	
		e e e e	to the	Expiration Date		<u>N/A</u>	· .
4. Identificatio	n of System	Reactor Coolar	nt (Q1)		•	<u></u>	
(b) Applicable	e Edition of Section	Section II XI Utilized for Repair/ ase(s): <u>N/A</u>	Replacement A	n, <u>S'68</u> Addend clivity <u>1989</u>	a,	<u>_N/A</u> Code (Case
6. Identificatio	n of Component		(
Name of Component	Name of Manufacturer	Manufacturer Scrial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Relief Valve	Target Rock	• 1	N/A	RV-1RC-551A	1995	Removed	Yes
Relief Valve	Target Rock	5	N/A	RV-1RC-551A	1973	Installed	Yes
·		•					· · · · ·
				•			•
			· · · · · · · · · · · · · · · · · · ·			•	

7. Description of Work <u>Replaced valve with spare for testing purposes.</u>

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🗌 Nominal Operating Pressure 🛛 Exempt 🗍 Pressure _____ psi Test Temp. _____ °F

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*Record lest pressure and lemperature

Other 🗌

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FORM NIS-2 (Back)

9. Remarks <u>No Code Data Report available</u>. <u>Previous NIS-2 Data Report Nos: 1255, 892</u>. <u>Valve S/N 5</u> Applicable Manufacturers Data Reports to be attached was cleaned/inspected by Wyle Laboratories under Purchase Order #7060635.

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New inlet studs (12 ea):1-3/8" UNC, Ht #S339.

· · ·
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Signed <u>Jewise</u> <u>Source</u> <u>Space</u> <u>January 31</u> , 20 <u>05</u> Owner or Owner's Designee, Title
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period $4-26-93$ to $2-1-85$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Jean J.
Data $2 - 1 - 20 6 5$

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				Fo	r <mark>m No</mark> .	·	1741
. F(S/REPLACEME SME Code Sect	-		
. Owner	F.E.N.O.C.		Da	le	12/1	5/2004	
76 South M		on, OH 44308	She	eet1	0	of	1
. Plant	Beaver Valley F	Power Station	Uni	t No		1	•
	Route 168 - Shi	ppingport, PA 1	5077	Orde Repair/Replacement	<u>r_#200</u>	027095	
Work Perfor	med By <u>BVPS</u>			e Code Symbol			-
<u> </u>	Route 168 - Shi	ppingport, PA 15	5077 Aut	horization No		N/A	•
	(ADDRESS)		Exp	piration Date		<u>N/A</u>	
. Identificatior	of Suctor	Chamical and	Volume Control	(02)		•	•
identification	rorsystem	Cilemicaranu					•
(a) Applicable	Construction Code	ANSI B31	<u>1967</u> Edit	ion, <u>S'71</u> Addenda	a, <u> </u>	<u>N/A</u> Code (Case
•••••		KI Utilized for Repair.	-	ity <u>1989</u>		· .	
(c) Applicable	Section XI Code C	ase(s): <u>N/A</u>	*** * * * * * * * *	,			
. Identification	of Components			1			•
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
iaphragm Valve	ITT Grinnell		N/A	1CH-138		Corrected	No
	·		• •				
		· · · · · · · · ·	ere en la constanta. María de entre	•			
	_			1	1	1	1
			·				·
		and a state of the	۰. ۲			· · · ·	
··Description of	of Work <u>Rep</u>	laced body to bo		nuts.	· · · · · · · · · · · · · · · · · · ·		

.

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗌 Nominal Operating Pressure 🗍 Exempt 🛛

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Other Pressure psi Test Temp.

_____ °F

"Record lest pressure and temperature

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9. Remarks No Code Data Report available. New Studs: 7/16" UNC, Nuts: 7/16" UNC Ht. #J663. Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp ____

Date <u>12-22-</u>, 20 <u>\$4</u>

N/A

N/A Certificate of Authorization No. **Expiration Date** N/A December 14 20 04 Socialist _ Date __ Signed er or Owner's Designee, Title

and the State or Province of	vivania and employed byHSB CT of
Hartford, CT	have inspected the components described in this
Owner's Report during the period	$4-2b-\beta 3$ to $12-22-\beta 4$, and state that to the
best of my knowledge and belief, the O	mer has performed examinations and taken corrective measures described in this
Oursed a Desert in a second as a still the s	
· · ·	requirements of the ASME Code, Section XI. pector nor his employer makes any warranty, expressed or implied, concerning the

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RTL # A4.414-A-

1. Owner	F.E.N.O.C.	<u> </u>	Date	ə ·	01/17	/2005	
	•	ron, OH 44308		et1	0	f	1
2. Plant	Beaver Valley I	Power Station	Unit	No		1	•
		ippingport, PA 15		Orde	er #2000		
Maria Daria		00 14-1-1	αι τ				
		OC-Maintenance (NAME)	· ·	e Code Symbol	•		·
f	(ADDRESS)	ippingport, PA 15		orization No			· .
		River Water (Q	• • •				
(b) Applicable (c) Applicable	Section XI Code C	XI Utilized for Repair/ Case(s): <u>N/A</u> IS	Replacement Activil	<u>1989</u>	d,		æse
(b) Applicable	Edition of Section Section XI Code C	XI Utilized for Repair/ Case(s): <u>N/A</u> IS		<u>1989</u>	4, Year Built	N/A Code C Corrected, Removed, or Jasalicd	ASME Code Stamped (Yes or N
(b) Applicable(c) Applicable6. Identification	Edition of Section Section XI Code C of Component	XI Utilized for Repair/ Case(s): <u>N/A</u> S Manufacturer	Replacement Activit	ly1989 Other	Year	Corrected, Removed, or	ASME Code Stampod
(b) Applicable (c) Applicable 6. Identification Name of Component	Edition of Section Section XI Code C of Component Name of Manufacturer	XI Utilized for Repair/ Case(s): <u>N/A</u> S Manufacturer Serial No.	Replacement Activit	ty1989 Other Identification	Year Buik	Corrected, Removed, or Jassalled	ASME Code Stamped (Yes or N
(b) Applicable (c) Applicable de Identification	Edition of Section Section XI Code C of Component Name of Manufacturer	XI Utilized for Repair/ Case(s): <u>N/A</u> S Manufacturer Serial No.	Replacement Activit	ty1989 Other Identification	Year Buik	Corrected, Removed, or Jassalled	ASME Code Stamped (Yes or N
(b) Applicable (c) Applicable 6. Identification Name of Component	Edition of Section Section XI Code C of Component Name of Manufacturer	XI Utilized for Repair/ Case(s): <u>N/A</u> S Manufacturer Serial No.	Replacement Activit	ty1989 Other Identification	Year Buik	Corrected, Removed, or Jassalled	ASME Code Stamped (Yes or N
(b) Applicable (c) Applicable Identification	Edition of Section Section XI Code C of Component Name of Manufacturer	XI Utilized for Repair/ Case(s): <u>N/A</u> S Manufacturer Serial No.	Replacement Activit	ty1989 Other Identification	Year Buik	Corrected, Removed, or Jassalled	ASME Code Stamped (Yes or N

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FORM NIS-2 (Back)

9. Remarks	No Code Data Report available. Previous NIS-2 Data Report No. 701. Replacement		
	Applicable Manufacturer's Data Reports to be attached		
1" NPS	S Studs: Ht. # J456, Nuts: Ht. #M128.	•	•
		•	
•			

	CERTIFIC	ATE OF COMPLI	ANCE	
I certify that the statements ma Code, Section XI.	de in the report a	are correct and that \ \	this conforms to the	erequirements of the ASME
Type Code Symbol Stamp			<u>N/A</u> ·	
Certificate of Authorization No. $_$	N/A	Expiration Date	N/A	·
Signed AW Conner or Owner	Seiver Species	Date	January	<u> </u>

c	CERTIFICATE OF INSERVICE	INSPECTION
	•	rd of Boiler and Pressure Vessel Inspectors ISB CT of
and the State or Province of <u>Pennsyh</u>	· · .	
Hartford, CT Dwner's Report during the period		nponents described in this $1 - 12 - 95$, and state that to the
		and taken corrective measures described in this
Dwner's Report in accordance with the re		
•	-	•
examinations and corrective measures de	escribed in this Owner's Report. F	y warranty, expressed or implied, concerning the Furthermore, neither the inspector nor his employ or a loss of any kind arising from or connected with
leon J. high	Commission	Ans J, N, P+2384 National Board, State, Province, and Endorsements
Date /-/9-	. 20 \$5	•

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•			•	• •	
		•	•	•	•

Form No. <u>1744</u>

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

			``````````````````````````````````````
1.	Owner F.E.N.O.C.	Date01/17	/2005
	76 South Main Street – Akron, OH 44308 (ADDRESS)	Sheet of	
2.	Plant Beaver Valley Power Station	Unit No.	· ·
	Route 168 - Shippingport, PA 15077 (ADDRESS)	Order #2000 Repair/Replacement Organization	
<b>3.</b>	Work Performed By	Type Code Symbol Stamp	<u>N/A</u>
	Route 168 - Shippingport, PA 15077	Authorization No.	<u>N/A</u>
		Expiration Date	<u>N/A</u>
4.	Identification of System River Water (Q3)		

5. (a) Applicable Construction Code _____ B31.1 ____ 1967 Edition, S71 Addenda, _____ N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity____1989

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

6. Identification of Components

Name of Component	Name of Manufacturer	Manufactures Serial No.	National Board No.	Other Identification	Year Built*	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Expansion Joint	Garlock	N/A	. /	REJ-1RW-4A1	1995	Removed	No
Expansion Joint	Garlock	<b>N/A</b>	N/A	REJ-1RW-4A1	2004	Installed	No
			an tha an taon 14 Anns an taon				· .
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	5				

7. Description of Work _____ Replaced rubber expansion joint and inlet/outlet studs and nuts.

8. Tests Conducted:

Hydrostatic* Pneumatic* Nominal Operating Pressure Exempt C Other Pressure psi Test Temp. PF

Record test pressure and temperature

#### RTL # A4.414-A

# FORM NIS-2 (Back)

9. Remarks <u>No Code Data Report available</u>. <u>Previous NIS-2 Data Report No. 632. *year installed</u>. Applicable Manufacturer's Data Reports to be attached <u>Replacement 1-1/4* NPS Studs Ht. #J662</u>.

	TIFICATE OF COMPLIANCE
I certify that the statements made in the rep Code, Section XI.	port are correct and that this conforms to the requirements of the ASME $x$
Type Code Symbol Stamp	<u>N/A</u>
Certificate of Authorization No. <u>N/A</u> Signed <u>Sealer</u> Owner or Owner's Designee, Tide	Expiration Date <u>N/A</u>
and the State or Province of <u>Pennsylvania</u> Hartford, CT Owner's Report during the period <u>4</u>	ued by the National Board of Boiler and Pressure Vessel Inspectors and employed by <u>HSB CT</u> of have inspected the components described in this (-26-23) to $(-12-25)$ , and state that to the enformed examinations and taken corrective measures described in this
best of my knowledge and belief, the Owner has po Owner's Report in accordance with the requirement	
Owner's Report in accordance with the requirement By signing this certificate neither the inspector nor examinations and corrective measures described in	•

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RTL # A4.414-A

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					Fo	rm No.	<u>_, , , , , , , , , , , , , , , , , , , </u>	1745
. F		NER'S REPORT red by the Provi					ΓΙVITY	
1. Owner	F.E.N.O.C.			Date		12/16	5/2004	
		on, OH 44308		Sheet	1	0	f	1
2. Plant	Beaver Valley F	ower Station	<u></u>	Unit No	·		1	•
	5077		Orde	r #2000	73988			
			epair/Replacement	Organizatio	n P.O. No., Job N	o, elc.		
3. Work Perfor	med By <u>BVPS</u>	Maintenance		Type Co	ode Symbol	•		N/A
	Route 168 - Shippingport, PA 15077					• ·	<u>N/A</u>	
	(ADDRESS)		8.25 J	Expiration	on Date		<u>N/A</u>	
4. Identification	n of System	Main Steam (C	(2)					
•.	•	· · · ·	م می اور ایک سب					
		ANSI B31				a,	<u>N/A</u> Code C	Case.
		KI Utilized for Repair/	-	ctivity <u>1</u>	<b>B</b> 1	÷		
(c) Applicable	e Section XI Code C	ase(s)						
6. Identification	n of Components							
	[	1. N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1 - 11-5				Corrected, Removed,	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.		Other Identification	Year Built*	or Installed	Stamped (Yes or No)
Governor Valve	Dresser-Rand (Terry Steam Turbine)	T38492 (Turbine)	<b>N/A</b>		IMS-464	1976	Corrected	No
Plug	Dresser-Rand	N/A	5.545 <b>N/A</b> -		N/A	2004	Installed	No
					4			. '
·			•					
	•				· · ·			-
		· · · · · · · · · · · · · · · · · · ·	<u></u>				ń	
				2	. "			
	· · ·	l	l			<b>I</b> ;	l	·
7. Description	of Work <u>Rep</u>	laced valve stem	Vplug assem	ble.	· · ·	· .	· · ·	
	· <u> </u>							
8. Tests Condu	icted: Hydros	tatic* 🔲 🛛 Pneu	matic* 🗂	Nomina	Operation	Process	re [] 도~	emot 🕅
5. 103/3 Oviju	Other	_			est Temp.			
		_	•		outromp.		· •	
	*Record les	t pressure and temperature	:					
					•			

Real Sections

#### FORM NIS-2 (Back)

9. Remarks <u>No Code Data Report available</u>. <u>Previous NIS-2 Data Report No. 974</u>. *year installed. Applicable Manufacturer's Data Reports to be attached

 CERTIFICATE OF COMPLIANCE

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

 Code, Section XI.
 \vert N/A

 Type Code Symbol Stamp
 \vert N/A

 Certificate of Authorization No.
 N/A

 Expiration Date
 N/A

 Signed
 Signed

 Owner or Owner's Designee, Title
 Date

CE	RTIFICATE OF INSERVICE INSPECTION
and the State or Province of <u>Pennsylva</u> Hartford, CT	ion issued by the National Board of Boiler and Pressure Vessel Inspectors <u>inia</u> and employed by <u>HSB CT</u> of <u>have inspected the components described in this</u> <u>$44 + 26 - 83$</u> to <u>$12 - 22 - 84$</u> , and state that to the
best of my knowledge and belief, the Owner	r has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requ	irements of the ASME Code, Section XI.
examinations and corrective measures desc	tor nor his employer makes any warranty, expressed or implied, concerning the cribed in this Owner's Report. Furthermore, neither the inspector nor his employer hal injury or property damage or a loss of any kind arising from or connected with
lean J. hynike	Commissions <u><i>I</i></u> , <i>N</i> , <i>P</i> <u>A</u> <u>2</u> <u>3</u> ¹ 84 s National Board, State, Province, and Endorsements
Date <u>12-22-</u>	. 20 04

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# RTL # A4.414-A

	:				:	Form No.	<u></u>	1746	
	FORM NIS-2 OW As Requi	NER'S REP red by the P							
.1. Owner Fi	irst Energy Corp		• • • •	Date	Nove	ember 10, 20	04	•	
- 76 South I	Main Street, Akro (ADDRESS)	on, OH 44308	•	Shee	t		of	2	
2. Plant Bea	ver Valley Power	Station		Unit I	No	· · · · ·	1	• .	
Shippingp	ort, PA 15077 (ADORESS)		<b>34</b> 0, 1793 -			00069902, 20 placement Organizatio			-
3. Work Perfo	ormed By <u>FEN</u>	<u>DC - Constru</u> (NAME)	ction	Type	Code S	ymbol Stamp		<u>N/A</u>	•
Shippingp	ort, PA 15077		·	Autho	orization	No	N/A		• •
	(201200)	•	-	Expin	ation Da	te	<u>N/A</u>		•
4. Identificatio	on of System	Feedwater, B	V-1-24-Sys	tem (Q2)_		-			-
•	e Construction Code	•			-,-	nda, - Code C	Case		•
	le Edition of Section	·	epair/Replacer	nent Activity	1989	•	. <b>.</b>	•	
	on of Component		•		•				:
Name of Component	Name of Manufacturer	' Manufacturer' Serial No.	National Board No.	Other Identification	Year Buik	Correc Remov or Lostal	red,	- ASME Code Stamped (Yes or No)	].
		•		944 - M			• .		.
			1.1						1

 1FW-156A
 SCHUTTE & N-700484
 N-700484
 Image: Constraint of the second seco

7. Description of Work - Motor operator and yoke removed and reassembled with replacement cover for simple check valve. Valve repaired to allow complete disc swing without binding.

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🗌 Nominal Operating Pressure 🛛 Exempt 🗍

•			•	• -		-
Other 🗌	Pressure	Normal	psi	Test Temp.	Normal	۰°F

*Record test pressure and temperature FORM 1/2-ADM-0801.F02 REV 2

RTL # A4.414-A

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	· · ·	Applicable	Manufacturer's Data Re	ports to be attached			
. <del> </del>	· · · ·		·				•
	. <u></u>		•	<u> </u>	·		
· .	· .	·		· · · · · · · · · · · · · · · · · · ·	•		· 
	· ·	· .	•	•	• • •		
		CERTIFIC	ATE OF COMP			•	
	• • •			•		• •	•
I certify that the ode, Section XI.	statements made i	n the report ar	e correct and th	at this conforms	to the require	ements of the	ASM
ype Code Symbol	Stamp	•	<u>N/A</u>	<u>\</u>	 		
ertificate of Autho	rization No. <u>N</u>	<u>//A</u>	Expiration Date	•	N/A	•. 	
igned	Owner or Ohner's Desi	gect Ma	wefer Da	te <u>12/6</u>	lorf-	, 20_	
				•			•
	· · ·	*• <u>_</u>	•		• •	•	·
	C C	CERTIFICATE	OF INSERVICE	NSPECTION		•	
and the State or Pro	nolding a valid commi vince of a	and employed by	HSBLT of	HARTFOR	l. CT		•
Owner's Report dur	,						
•	e and belief, the Own ccordance with the re	-			e measures de	scribed in this	
	icate neither the insp prrective measures de	•					
shall be liable in any	manner for any pers		•				
this inspection.	•	2	• .				·
Jean	J. hoga	ih	Commission		PA.	2384	
	Inspector's Signature	· · .	·	Nagonal Board, a	State, Province, and	Endersements	-
, <b>* .</b>				1			

## RTL # A4.414-A

1747

Form No.

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

1. Owner First Energy Corp	•	Date I	November 10	, 2004_	<u>_</u>		
76 South Main Street, Akron, OH 44	308	Sheet	11	of		2	•
2. Plant Beaver Valley Power Station		Unit No.	· · .	1	 	•	•
Shippingport, PA 15077 (ADDRESS)		Rep	20006990 bair/Replacement Org				
3. Work Performed By <u>FENOC - Cons</u>	struction	'Type Coo	le Symbol Sl	amp		N/A	
		. Authoriza	tion No		N/A		
(ADDRESS)	:	Expiration	n Date		N/A		

- 4. Identification of System Feedwater, BV-1-24-System (Q2
- 5. (a) Applicable Construction Code ANSI B31.1.0 1967_____ Edition, S 1971 Addenda, Code Case
  - (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989
  - (c) Applicable Section XI Code Case(s) N/A
- 6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year . Built	Corrected, Removed, or Installed	ASME Code 'Stamped (Yes or No)
						,	
1FW-156B	SCHUTTE & KOERTING	N-700485		•	1971	CORRECTED	NO
	·	· .	· · · · ·		·		
• •		· · · · · · · · · · · · · · · · · · ·	•••***********************************	·····			•

7. Description of Work - Motor operator and yoke removed and reassembled with replacement cover for simple check valve. Valve repaired to allow complete disc swing without binding._

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🔲 Nominal Operating Pressure 🛛 Exempt 🗍 Other Pressure Normal psi Test Temp. Normal ۰F

*Record test pressure and temperature FORM 1/2-ADM-0801.F02 REV 2

RTL # A4.414-A

Applicable Manufacturer's Data Reports to be attached

9. Remarks ____

·	, 	<u> </u>		<u></u>	
		•	•	· .	
· · · · · · · · · · · · · · · · · · ·	· · ·			· · · · · · · · · · · · · · · · · · ·	**** ***
·	<u> </u>		· · · · · · · · · · · · · · · · · · ·	·	
	•	•	۰.		
<u> </u>	CERTIFICAT	E OF COMPLI			·
	CERTIFICAT	E OF COMPLI	·		•
I certify that the statements ma ode, Section XI.	le in the report are o	correct and that t	his conforms to	the requirements of th	e ASME
pe Code Symbol Stamp	. N	/A	· ·	•	•
	N		<u>,</u> .		
ertificate of Authorization No.	N/A E	xpiration Date		∖/A	
gned MRFesser,	Provent Mo	west Date	12/6/	10 Y 20	
Owner or Owner's	Designed, Title	- Date	t	, 20	<del></del>
•			<u> </u>		
	CERTIFICATE OF	INSERVICE INS	PECTION		•
	CERTIFICATE OF	*	- Lonon		
• • • •			•	•	
l, the undersigned, holding a valid co					
and the State or Province of	2 and employed by 🖉	HUBLT of H	ARTRORCI	c <i>T •</i>	
<u> </u>	_ have inspected the	components desc			
wher's Report during the period	4-26-	to to	12-6-04	, and state that to the	8
pest of my knowledge and belief, the	Owner has performed	examinations and	taken corrective m	easures described in thi	ie i
	· ·		• •		
Dwner's Report in accordance with the	a requirements of the	ASME Code, Sec	ion XI.		
•	•	•			
By signing this certificate neither the	nspector nor his emplo	oyer makes any wa	irranty, expressed	or implied, concerning th	<b>ю</b> .
examinations and corrective measure	s described in this Ow	mer's Report. Furt	hermore, neither th	e inspector nor his emp	loyer
hall be liable in any manner for any	ersonal injury or prop	erty damage or a k	oss of any kind aris	ing from or connected w	vith 🦷
his inspection.			-	•	
	<i>л</i> .				
· · · · · · · · · · · · · · · · · · ·	• - //		•		
Dem I he	mill	<b>.</b>	T 1.	PA2384	
Inspector's Signat	<u>1~~~~</u>	Commissions	National Roamt State	Province, and Endorsements	
specie - Street	-			1. Love of a second second 13	
		ſ			
Date	20 _04	•			
	·				
•		•			
				•	
. • •					
		•	•		

# RTL # A4.414-A

		•		•		Form No.	1748
F						CEMENT ACTIVITY e Section XI	
1. Owner Fir	st Energy Corp		· · · · ·	Date	Nove	mber 10, 2004	
•	lain Street, Akro	n, OH 44308	, ' }	Shee	t	of	2
2. Plant Beav	er Valley Power	Station	- 17	Unit N	No	1	••••••
Shippingpo	rt, PA 15077 (ADDRESS)			<u>.</u>		00069887, 20007392 Nacement Organization P.O. No.	
3. Work Perfor	med By <u>FENC</u>	<u>)C - Construi</u> (NAME)	ction	Type	Code Sy	/mbol Stamp	<u>N/A</u>
Shippingpo	rt, PA 15077 (ADDRESS)	<u> </u>	<u>,:,*.</u>				· · · · · · · · · · · · · · · · · · ·
·•••		•••		Expira	ation Da	teN/A	·
4. Identification	n of System F	eedwater, B	V-1-24-Sys	tem (Q2)_	•		· · · · · · · · · · · · · · · · · · ·
(b) Àpplicable (c) Applicable	Construction Code Edition of Section X Section XI Code C of Components	(I Utilized for Ra ase(s) N/A		•		nda, - Code Case	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code • Stamped (Yes or No)
		•			· .		
1FW-156C	SCHUTTE & KOERTING	N-700483	n I i i i i i i i n i II i i i i i i i i n II i itti i i i i i i i i i i i i i i i	······································	1971	CORRECTED	NO
:		•					
	· · ·	5	n seeling re N	2			
7. Description simple check va 8. Tests Condu	alve. Valve repai	red to allow	d yoke rem complete d neumatic*   e <u>Normal</u>	isc swing v	vithout b	bled with replacement inding rating Pressure 🛛 emp. Normal °	Exempt []
FORM 1/2-ADM-0		pressure and tempe	rature	•		RTI	<i>,</i> # A4.414-A

<u>`</u>,∔• **.** 

9. Remarks Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. **Expiration Date** N/A lavasce Date Signed ·CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>PA</u> and employed by <u>HSBCT</u> of HARTFOR d. CT. have inspected the components described in this 4-26-03 to Owner's Report during the period 12-6-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. I. N Commissions Date 12-6-. 20 04

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RTL # A4.414-A -

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				Fo	rm No.		1751
F				RS/REPLACEME ASME Code Sect		<b>FIVITY</b>	
1. Owner	F.E.N.O.C.		_ Da	ate	12/14	/2004	
76 South N	Aain Street – Akr (ADDRESS)		St	neet1	of	f	<u>1</u>
2. Plant	Beaver Valley P		Ur	nit No.		1	•
	Route 168 - Shi			Orde	r #2000	15380	
· .	(ADDRESS)			Repair/Replacement	Organization	P.O. No., Job N	lo., etc.
3. Work Perfo	rmed By <u>BVPS</u>		<b>Ty</b>	pè Code Symbol	• •	• •	N/A
	Route 168 – Shi	poingport PA 1	5077 Au	thorization No		· NÌA`	
	(ADDRESS)						
			EX BANK 1	piration Date		<u>N/A</u>	<u>.</u>
4. Identificatio	n of System	River Water (Q	3)				
· · · ·	`•				. [.]		· • .
5. (a) Applicable	Construction Code	ANSI 831	<u>.1 1967</u> Ed	ition, <u>71</u> Addenda,		<u>N/A</u> Code (	Case
(b) Applicable	e Edition of Section X	Utilized for Repair/	Replacement Acti	vity <u>1989</u>			
(c) Applicable	e Section XI Code Ca	ise(s): <u>N/A</u>					
6. Identification	n of Components			• . •			
Name of Component	Name of Manufacturer	Manufacturer Serisl No	National Board No.	Other Identification	Ycar Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Gate Valve	Crane ·		:N/A	MOV-1RW-113A		Removed	No
Gate Valve	Flowserve	E634T1-1	N/A	MOV-IRW-113A	2002	Installed	No
· ·		···	n <b>h</b> an suite an an		· ·	•	
		· · · · ·	States of the	• .			:
						4	· · ·

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

8. Tests Conducted:

Hydrostatic* 
Pneumatic* 
Nominal Operating Pressure 
Exempt Test Temp. _____ °F Pressure _ _____ psi

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والمراجع والمستقل

*Record lest pressure and temperature

Other 🗌

RTL # A4.414-A

#### FORM NIS-2 (Back)

9. Remarks <u>No Code Data Report available</u>. New valve was designed in accordance with Applicable Manufacturer's Data Reports to be atlacted

ANSI B16.34-1988 Edition. Replacement Studs: 5/8" UNC Ht. No. 537388 D352, Nuts: 5/8" UNC

Ht. No. D874.

## CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. λ. Type Code Symbol Stamp ____ N/A Certificate of Authorization No. _____N/A____ **Expiration Date** N/A December 15 . 20 ort Date ner or Owner's Designee. Tit CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ______ Pennsylvania___ and employed by ______ HSB CT______ of ____ have inspected the components described in this Hartford, CT 4-26-\$3 to 12-15-104, and state that to the Owner's Report during the period best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be 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 . _____, 20 py Date 12-15-

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RTL	#	A4	.41	14-A
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	•			Fo	rm No.	<u></u>	1752
. FC				S/REPLACEME SME Code Sect		IVITY	· .
Owner	F.E.N.O.C.	······	Dal	le	12/14	/2004	
76 South M	·	on, OH 44308	She	eet1_	of		1
Plant	Beaver Valley P	Power Station	Uni		1	I	
	Poulo 168 - Shi				r #2000	15/11	
	(ADDRESS)	ppingport, PA 15		Orde Repair/Replacement	Organization	P.O. No., Job N	ło., etc.
Work Perform	med By <u>BVPS</u>	-Maintenance		e Code Symbol	•	٠.	N/A
l	Route 168 – Shi	(NAME) ippingport, PA 1	5077Aut	horization No	•	N/A	
•	(1001200)		Exp	biration Date	· · ·	N/A	
Identification	of System	River Water (Q	<u> 3)</u>				
(c) Applicable	Section XI Code Ca	ase(s): <u>N/A</u>		·			
Identification	of Components	s	<u>. :</u>	r	<del>,</del>	Corrected	ASME
Identification	of Components Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Buik	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Name of	Name of	Manufacturer	National Board	Other		Removed. or	Code Stamped
Name of Component	Name of Manufacturer	Manufacturer	National Board No. N/A	Other Identification	Buik	Removed. or Installed	Code Stamped (Yes or No)
Name of Component Gate Valve	Name of Manufacturer Crane	Manufacturer Serial No	National Board No. N/A N/A	Other Identification MOV-1RW-113B	Buik	Removed. or Installed Removed	Code Stamped (Yes or No) NO
Name of Component Gate Valve	Name of Manufacturer Crane	Manufacturer Serial No  E634T1-2	National Board No. N/A N/A	Other Identification MOV-1RW-113B MOV-1RW-113B	Buik	Removed. or Installed Removed	Code Stamped (Yes or No) NO
Name of Component Gate Valve	Name of Manufacturer Crane	Manufacturer Serial No  E634T1-2	National Board No. N/A N/A	Other Identification MOV-1RW-113B MOV-1RW-113B	Buik	Removed. or Installed Removed	Code Stamped (Yes or No) NO
Name of Component Gate Valve Gate Valve	Name of Manufacturer Crane Flowserve	Manufacturer Serial No E634T1-2	National Board No. N/A Yes A. Yes A.	Other Identification MOV-1RW-113B MOV-1RW-113B	Buik 2002	Removed. or Installed Removed	Code Stamped (Yes or No) NO
Name of Component Gate Valve Gate Valve	Name of Manufacturer Crane Flowserve	Manufacturer Serial No E634T1-2	National Board No. N/A Yes A. Yes A.	Other Identification MOV-1RW-113B MOV-1RW-113B	Buik 2002	Removed. or Installed Removed	Code Stamped (Yes or No) NO

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*Record test pressure and temperature

9. Remarks <u>No Code Data Report available. New valve was designed in accordance with</u> Applicable Manufacturer's Data Reports to be attached

ANSI B16.34-1988 Edition. Replacement Studs: 5/8" UNC Ht. No. 538169 H177

Nuts: 5/8" UNC Ht. No. H660.

CERTIFICATE OF COMPLIANCE						
I certify that the statements made in the report are correct and that the Code, Section XI.	is conforms to the requirements of the ASME					
Type Code Symbol Stamp	<u>N/A</u>					
Certificate of Authorization No. <u>N/A</u> Expiration Date	N/A					
Signed Studies . Sourier Specialist Date . Owner or Owner's Designee, Title	December 15, 20 04					

CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec	lors
and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of	
Hartford, CT have inspected the components described in this	
Owner's Report during the period $\frac{4-26-\cancel{3}}{\cancel{2}}$ to $(\cancel{2}-15-\cancel{3})$ , and state that	t to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures describe	d in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
•	

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

384 Commissions National Board, Stale, Province, and Endorsements . 20 94 12-15 Date

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RTL # A4.414-A

. Owner	F.E.N.O.C.		Da	le	12/14	1/2004	
76 South M	• • • •	ron, OH 44308	Sh	eet1	0	f	1
. Plant	Beaver Valley F	Power Station	Un			1	•
:	Route 168 - Shi	ippingport, PA 15		Orde	er #2000	015338	
	(ADDRESS)	: ::::	line in the second	Repair/Replacemen	t Organizatio		lo. <b>, e</b> lc.
Work Perfo	rmed By <u>BVPS</u>	S-Maintenance		pe Code Symbol			N/A
i	Route 168 – Sh	ippingport, PA1	5077 Au	thorization No	•	′ N/A	1) k 1
,	(ADDRESS)		· <b>F</b>	piration Date		<u>N/A</u>	
	•		Shift for the set				
. (a) Applicable (b) Applicable	Construction Code	ANSI B31 XI Utilized for Repair	13) 1.1 1967 Edi /Replacement Activ	lion, <u>71</u> Áddenda,		<u>_N/A</u> Code (	Case
(a) Applicable (b) Applicable (c) Applicable	Construction Code e Edition of Section 2	<u>ANSI B31</u> XI Utilized for Repair ase(s): <u>N/A</u> S	13) 1.1 1967 Edi	lion, <u>71</u> Áddenda,		<b></b>	- <u>.</u>
(a) Applicable (b) Applicable (c) Applicable	Construction Code e Edition of Section 2 e Section XI Code C	<u>ANSI B31</u> XI Utilized for Repair ase(s): <u>N/A</u> S	13) 1.1 1967 Edi /Replacement Activ .National Board No.	lion, <u>71</u> Áddenda,	Ycar Buik	<u>N/A</u> Code ( Corrected, Removed, or installed	ASME Code Stampe
<ul> <li>(a) Applicable</li> <li>(b) Applicable</li> <li>(c) Applicable</li> <li>Identification</li> </ul>	Construction Code e Edition of Section 2 e Section XI Code C n of Components Name of	<u>ANSI B31</u> XI Utilized for Repair ase(s): <u>N/A</u> S Manufacturer	13) 1.1 1967 Edi /Replacement Activ	tion, <u>71</u> Addenda, /ity <u>1989</u> Other	Ycar Buik	Corrected, Removed, or	ASME Code Stampe (Yes or 1
(a) Applicable (b) Applicable (c) Applicable Identification	Construction Code e Edition of Section 2 e Section XI Code C n of Components Name of Manufacturer	<u>ANSI B31</u> XI Utilized for Repair ase(s): <u>N/A</u> S Manufacturer <u>Serial No</u>	13) 1.1 1967 Edi /Replacement Activ National Board No. N/A N/A	tion, <u>71</u> Addenda, /ity <u>1989</u> Other Identification	Ycar Buik	Corrected, Removed, or installed	ASME Code Stampe (Yes or 1 No No
(a) Applicable (b) Applicable (c) Applicable Identification	Construction Code e Edition of Section 2 e Section XI Code C n of Components Name of Manufacturer Crane	ANSI B31 XI Utilized for Repair ase(s): <u>N/A</u> S Manufacturer Serial No. 914439-1 E634T1-3	13) 1.1 1967 Edi Replacement Activ National Board No. N/A N/A	tion, <u>71</u> Addenda, /ity <u>1989</u> Other Identification MOV-1RW-113C	Year Buik	Corrected, Removed, or Installed Removed	ASME Code Stampe (Yes or I NO
(a) Applicable (b) Applicable (c) Applicable Identification	Construction Code e Edition of Section 2 e Section XI Code C n of Components Name of Manufacturer Crane	ANSI B31 XI Utilized for Repair ase(s): <u>N/A</u> S <u>Manufacturer</u> Serial No. 914439-1 E634T1-3	13) 1.1 1967 Edi Replacement Activ National Board No. N/A N/A	tion, <u>71</u> Addenda, /ity <u>1989</u> Other Identification MOV-1RW-113C	Year Buik	Corrected, Removed, or Installed Removed	ASMI Code Stampo (Yes or NO
(a) Applicable (b) Applicable (c) Applicable Identification	Construction Code e Edition of Section 2 e Section XI Code C n of Components Name of Manufacturer Crane	ANSI B31 XI Utilized for Repair ase(s): <u>N/A</u> S Manufacturer Serial No. 914439-1 E634T1-3	13) 1.1 1967 Edi Replacement Activ National Board No. N/A N/A	tion, <u>71</u> Addenda, /ity <u>1989</u> Other Identification MOV-1RW-113C	Year Buik	Corrected, Removed, or Installed Removed	ASMI Code Stampo (Yes or NO

Other 🗌

.

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🗌 Nominal Operating Pressure 🛛 Exempt 🗍 Pressure _____ psi Test Temp. _____ °F

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## FORM NIS-2 (Back)

9. Remarks <u>No Code Data Report available</u>. <u>Previous NIS-2 Data Report No. 444</u>. <u>New valve was</u> Applicable Manufacture's Data Reports to be attached designed in accordance with ANSI B16.34-1988 Edition. <u>Replacement Studs: 5/8" UNC Ht. No.</u>

537388, Nuts: 5/8" UNC Ht. No. H660.

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CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. $N$
Type Code Symbol Stamp N/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>Signed Server Specialist</u> Date <u>December 15</u> , 20 64
CERTIFICATE OF INSERVICE INSPECTION         I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this         • Owner's Report during the period $4/-2.6 - 6/3$ to $1/2-1.5-34/4$ , 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 in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. $\underbrace{Mathieuropersonal}_{\text{Inspection}} \underbrace{\text{Commissions}}_{\text{Inspection}} \underbrace{\text{Entropy}}_{\text{National Board, State, Province, and Endorsements}}$
Date 12-15- , 20 164

 $\mathcal{A}$ 

RTL # A4.414-A

. Owner	F.E.N.O.C.	······	Da	ate	12/14	1/2004	··
76 South	Main Street – Akro (ADDRESS)	on, OH 44308	Sł	eet	<u>1</u> o	f <u>.</u>	1
2. Plant	Beaver Valley P	ower Station	Ur	nit No		1	•
	Route 168 - Shi	opinaport. PA 1	5077	Ord	ier #200(	017496	
· · · · ·	(ADDRESS)			Repair/Replacem			lo., etc.
. Work Perfo	med By _ <u>BVPS</u>	-Maintenance		pe Code Symbo	ol Stamp	1	N/A
	Route 168 - Shi	(NAME)	5077 ^{**} Δι	N. Ithorization No.	•	N/A	× .
	(ADDRESS)	ppingpoit, 1 A 1		piration Date		<u>N/A</u>	
			L.^		·		
. (a) Applicable (b) Applicabl (c) Applicabl	on of System e Construction Code le Edition of Section X le Section XI Code Ca on of Components	(1 Utilized for Repair ase(s): <u>N/A</u>	<u>1.1 1967</u> Ed		ida,	<u>N/A</u> Code (	Case
. (a) Applicable (b) Applicabl (c) Applicabl	e Construction Code le Edition of Section X	ANSI B3: (1 Utilized for Repair use(s): <u>N/A</u>	1.11967 Ed /Replacement Acti		Year Buik	N/A Code ( Currected, Removed, or installed	ASME Code Stamped
. (a) Applicable (b) Applicable (c) Applicable . Identificatio	e Construction Code le Edition of Section X le Section XI Code Ca on of Components	ANSI B3 (I Utilized for Repair ase(s): <u>N/A</u> Manufactorer Serial No	1.1 1967 Ed /Replacement Acti	vity <u>1989</u> Other	Year Buik	Currected, Removed, or	ASME
<ul> <li>(a) Applicable</li> <li>(b) Applicable</li> <li>(c) Applicable</li> <li>Identificatio</li> <li>Name of Component</li> </ul>	e Construction Code le Edition of Section X le Section XI Code Ca on of Components	ANSI B3 (1 Utilized for Repair ase(s): <u>N/A</u> Manufacturer Serial No	1.1 1967 Ed /Replacement Acti I National Board No. 5555	vity 1989 Other Identification	Year Built 1975 .	Currected, Removed, or Installed	ASME Code Stamped (Yes or N
<ul> <li>(a) Applicable</li> <li>(b) Applicable</li> <li>(c) Applicable</li> <li>Identification</li> <li>Name of Component</li> <li>Gate Valve</li> </ul>	e Construction Code le Edition of Section X le Section XI Code Ca on of Components Name of Manufacturer Wallworth	ANSI B3 (1 Utilized for Repair ase(s): <u>N/A</u> Manufactorer Serial No C58195	1.1 1967 Ed /Replacement Acti National Board No. 555	vity 1989 Other Identification MOV-1RW-113D	Year Built 1975 .	Corrected, Removed, or Installed Removed	ASME Code Stamped (Yes or N Yes
<ul> <li>(a) Applicable</li> <li>(b) Applicable</li> <li>(c) Applicable</li> <li>Identification</li> <li>Name of Component</li> <li>Gate Valve</li> </ul>	e Construction Code le Edition of Section X le Section XI Code Ca on of Components Name of Manufacturer Wallworth	ANSI B3 (1 Utilized for Repair ase(s): <u>N/A</u> Manufactorer Serial No C58195	1.1 1967 Ed /Replacement Acti National Board No. S555 N/A	vity 1989 Other Identification MOV-1RW-113D	Year Built 1975 .	Corrected, Removed, or Installed Removed	ASME Code Stamped (Yes or N Yes

8. Tests Conducted: Hydrostatic* Other Pressure _____ psi Test Temp. _____ °F

> *Record lest pressure and temperature •

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## FORM NIS-2 (Back)

9. Remarks <u>No Code Data Report available</u>. <u>Previous NIS-2 Data Report No. 434</u>. <u>New valve was</u> Applicable Manufacture's Data Reports to be attached designed in accordance with ANS B16.34-1988 Edition. <u>Replacement Studs</u>: 5/8" UNC, Ht. No.

537388, Nuts: 5/8" UNC, Ht. No. G7030 F639

CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>Alwares</u> <u>Service</u> <u>Specialize</u> Date <u>December</u> 15, 20 04
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in this Owner's Report during the period $4-26-43$ to $22-15-44$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Dean J. hyperty Commissions <u>I, J. M. 23</u> 84 Inspector's Signature Commissions I, National Board, State, Province, and Endorsements
Date 12-15- , 20 \$4

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RTL # A4.414-A

	Owner	F.E.N.O.C. (NAME)	: · · · · · · · · · · · · · · · · · · ·	<u></u> ∂, <u>p</u> ;Dat	e	12/15	5/2004	
	76 South N	<u> 1ain Street – Akr</u> (ADDRESS)	ron, OH 44308	She	et <u>1</u>	0	f	1
2	Plant	Beaver Valley F	Power Station		No		1	•
			ippingport, PA 15	5077			072006 n P.O. No., Job N	lo., etc.
<b>.</b>	Work Perfor	med By <u>BVPS</u>		ма (ж. 2010) Тур	-	Stamp	1	N/A
:		Route 168 - Shi	ppingport, PA 15	5077 Auti	norization No	•	N/A	
		(ADDRESS)	•	<u>на стран</u> Ехр	iration Date		N/A	
•	Identification	n of System	River Water (C	(3)		•		
	(c) Applicable	e Section XI Code C	ase(s)	• = 4 = 4 = 4				
	Identification	n of Components	S Manufacturer	National Board	Other	Ycar	Corrected, Removed, or	
	Identificatio	n of Component	s		Other Identification 1RW-106	Year Built	Removed.	Cude Stamped
	Identification	n of Components Name of Manufacturer	S Manufacturer Serial No	National Board No.	Identification		Removed. or Installed	Cude Stamped (Yes or N
	Identification	n of Components Name of Manufacturer	S Manufacturer Serial No	National Board No.	Identification		Removed. or Installed	Cude Stamped (Yes or N
	Identification	n of Components Name of Manufacturer	S Manufacturer Serial No	National Board No. N/A	Identification		Removed. or Installed	Cude Stamped (Yes or N
	Identification	n of Components Name of Manufacturer	S Manufacturer Serial No	National Board No. N/A	Identification		Removed. or Installed	Cude Stamped (Yes or N

9. Remarks <u>No Code Data Reports available</u>. <u>Previous NIS-2 Data Report Nos: 1220, 654</u>. Inlet and Applicable Manufacture's Data Reports to be attached outlet studs and nuts were replaced. <u>Valve was manufactured to ANSI B31.1 1973E</u> and B16.34

1981 Edition. New 1-1/4" studs Ht #K339, info on nuts is not available.

CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>Alwels</u> <u>Security Specialist</u> Date <u>December 15</u> , 20 04
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of Hartford, CT have inspected the components described in this

Owner's Report during the period 4-26-03 to 12-17-04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

A 2384 ovince, and Endorsements Commissions  $\underline{\mathcal{I}}, \mathcal{N},$ National Board, State, Province, a 12-17-. 20 04 Date

П.

RTL # A4.414-A

1 M A	· · ·	 		
2.1		<ul> <li>*</li> </ul>	•	•

Form No. ___1757

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

. Owner _	F.E.N.O.C.		Dat	e	12/15	5/2004	
76 South	Main Street - Akr (ADORESS)	on, OH 44308	<u> </u>	et <u>1</u>	0	f	1
. Plant	Beaver Valley P	ower Station	Uni	No		1	
	Route 168 - Shi	ppingport, PA 15				20728	h etc
. Work Perl	formed By <u>BVPS</u>		- <u></u> Тур	e Code Symbol			-
		ppingport, PA 15	- <u></u>	norization No iration Date			
Identificat	ion of System						
	ble Construction Code			· · ·	a, <u> </u>	<u>N/A</u> Code (	Case
(b) Applica (c) Applica		KI Ulilized for Repair/ ase(s): <u>N-416-2</u> S	Replacement Activi	· · ·	a,	N/A Code ( Corrected, Removed,	ASME
(b) Applica (c) Applica	ble Edition of Section > ble Section XI Code Ca	KI Ulilized for Repair/ ase(s): <u>N-416-2</u> S	Replacement Activi	· · ·	Year Built	Corrected.	
(b) Applica (c) Applica Identificati	ble Edition of Section X ble Section XI Code Ca ion of Components	(I Ulilized for Repair/ ase(s): <u>N-416-2</u> S	Replacement Activi	ty <u>1989</u> Other	Year	Corrected, Removed, or	ASME Code Stamped (Yes or No
(b) Applica (c) Applica Identificati	ble Edition of Section X ble Section XI Code Ca ion of Components Name of Manufacturer Stone &	(I Ulilized for Repair/ ase(s): <u>N-416-2</u> 5 Manufacturer Serial No	Replacement Activi	ty1989 Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
(b) Applica (c) Applica Identificati	ble Edition of Section X ble Section XI Code Ca ion of Components Name of Manufacturer Stone &	KI Utilized for Repair/ ase(s): <u>N-416-2</u> S Manufacturer Serial No N/A	Replacement Activi	ty1989 Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No
(b) Applica (c) Applica Identificati	ble Edition of Section X ble Section XI Code Ca ion of Components Name of Manufacturer Stone &	(I Utilized for Repair/ ase(s): <u>N-416-2</u> 5 <u>Manufacturer</u> <u>Serial No</u> N/A	Replacement Activi	ty1989 Other Identification WR-14	Year Built	Corrected, Removed, or Installed	ASME Code Stamped

8. Tests Conducted: Hydrostatic* 🗌 Pneumatic* 🗌 Nominal Operating Pressure 🛛 Exempt 🗍 Test Temp. _____ °F Pressure _____ psi

Other

## FORM NIS-2 (Back)

#### 9. Remarks No Code Data Report available. Previous NIS-2 Data Report Nos: 410, 189. Applicable Manufacturer's Data Reports to be attached

 CERTIFICATE OF COMPLIANCE

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

 Type Code Symbol Stamp
 N/A

 Certificate of Authorization No.
 N/A

 Expiration Date
 N/A

 Signed
 Servic Specialist

 Date
 December 15

 Owner's Designee, Tife

CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid comm		•				
and the State or Province of <u>Pennsy</u> Hartford, CT	<u>avania</u> and employed by <u>HSBC</u> have inspected the compone	· · · ·				
Owner's Report during the period	$\frac{4-26-93}{4}$ to	12 - 17 - 49, and state that to the				
est of my knowledge and belief, the Ov	mer has performed examinations and t	aken corrective measures describéd in this				
Owner's Report in accordance with the i						
		ermore, neither the inspector nor his employer ss of any kind arising from or connected with				
Dean S. hyni Inspecies Signature	Commissions	I J A 2384 National Board, State, Province, and Endorsements				
Date /2-/7-	20 <u>ØY</u>	· ,				

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## RTL # A4.414-A

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	ORM NIS-2 OWI As Requir	ed by the Prov					•
I. Owner	First Energy C (NAME)	orp		Date	Novembe	10, 2004	
76 South	Main Street, Akro (ADDRESS)	n, OH 44308	· ··· · · ·	Sheet	1	of	2
2. Plant	Beaver Valley P	ower Station	······································	Unit No.		1	· • · ·
	Shippingport, PA (ADORESS)	15077	<u>.</u> .	Re	pair/Replacemer	200015446 N Organization P.O. No., Job	DNo., etc.
3. Work Perfo	rmed By _FENO	C - Construction	<u>n</u>	Type Coo	de Symbo	l Stamp	<u>N/A</u>
·	Shippingport, PA (ADDRESS)	15077	<i></i>	<ul> <li>A</li> </ul>	ation No. n Date	<u>N/A</u> N/A	
. ruomanouto		reedwater, by	<u>-1-24-Sy</u>	vstem (Q3)	· · ·		
5. (a) Applicable (b) Applicabl (c) Applicabl	Construction Code e Edition of Section X e Section XI Code Ca n of Components	ANSI B31.1.0 I Utilized for Repair se(s) N-415-2	1967 1	Edition, S 1971	Addenda,		<u></u>
5. (a) Applicable (b) Applicabl (c) Applicabl	Construction Code e Edition of Section X e Section XI Code Ca	ANSI B31.1.0 I Utilized for Repair se(s) N-415-2	1967 1	Edition, S 1971	Addenda,		ASME Code Stamped (Yes or No)
5. (a) Applicable (b) Applicabl (c) Applicabl 5. Identificatio	e Construction Code e Edition of Section X e Section XI Code Ca n of Components	ANSI B31.1.0 I Utilized for Repair se(s) N-416-2 Manufacturer	1967 1 /Replacem National Board	Edition, S 1971 ent Activity 198	Addenda, 9 Yeer	- Code Case Corrected, Removed, or	Code Stamped
5. (a) Applicable (b) Applicabl (c) Applicabl 5. Identificatio	e Construction Code e Edition of Section X e Section XI Code Ca n of Components	ANSI B31.1.0 I Utilized for Repair se(s) N-416-2 Manufacturer	1967 ( /Replacem National Board No.	Edition, S 1971 ent Activity 198	Addenda, 9 Yeer	- Code Case Corrected, Removed, or	Code Stamped
5. (a) Applicable (b) Applicabl (c) Applicabl 5. Identificatio Name of Component	Construction Code e Edition of Section X e Section XI Code Ca n of Components Name of Manufacturer	ANSI B31.1.0 I Utilized for Repair se(s) N-416-2 Manufacturer	1967 ( /Replacem National Board No.	Edition, S 1971 ent Activity 198	Addenda, 9 Year Built	- Code Case Corrected, Removed, or Installed	Code Stamped (Yes or No)

7. Description of Work Installation of cavitating venturis into the Auxiliary Feedwater System lines feeding the steam generators

۰.

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🗋 Nominal Operating Pressure 🛛 Exempt 🗍 Other 🗌 Pressure Normal Test Temp. ____Normal_ °F _ psi

"Record test pressure and temperature

FORM %-ADM-0801.F02 REV 2		RTL # A4.414-A	• <b>f</b> • •	۲ ۲
	FORM NIS-2 (Back)	··· ·		•
		· · · ·	•	
	· · · · · ·			
9. Remarks	Applicable Manufacturer's Data Reports to be attached	• ·		
•		······································		
			•	•
•		• * .	•	
·				
•		<u> </u>	T	•
	CERTIFICATE OF COMPLIANCE	• • •	ł ,	•
I certify that the statements made in	n the report are correct and that this conforms to	the requirements of the ASME		
Code, Section XI.				
Type Code Symbol Stamp	N/A^			
· · · ·				
Certificate of Authorization No. <u>N</u>	A Expiration Date	V/A		
Since MCEOSC. Ro	yect Manager Date 12/6	197	. • •	
Signed Owner to Owner's Desig	gree Title	, 20	1	
		· · · · · · · · · · · · · · · · · · ·	- -	
c c	CERTIFICATE OF INSERVICE INSPECTION		·	•
· · ·			· ·	
I, the undersigned, holding a valid commit	ssion issued by the National Board of Boiler and Press	ure Vessel Inspectors		
	nd employed by $\underline{HLBCT}$ of $\underline{HAETK}$ decomponents described in this		1 1	
Owner's Report during the period		, and state that to the		:
	ner has performed examinations and taken corrective m	neasures described in this		•
Owner's Report in accordance with the re-	quirements of the ASME Code, Section XI.	• .		
By signing this certificate neither the inspe	ector nor his employer makes any warranty, expressed	or implied, concerning the	ł	
examinations and corrective measures de	scribed in this Owner's Report. Furthermore, neither th	ne inspector nor his employer		
•	onal injury or property damage or a loss of any kind aris	sing from or connected with		
this inspection.	•			
		A		
Bar J. hyre	Commissions	Province, and Endorsements		
	۶. ۲			
Date 12-6-	20 _04			
······································	·	<u></u>		•

RTL	#	A4.414-A	
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	Form No	1760
FORM NIS-2 OWNER'S REPORT FOR RE As Required by the Provisions of		· · · · ·
1. Owner First Energy Corp	Date November 10, 2004	
76 South Main Street, Akron, OH 44308 (ADDRESS)	Sheet of	_2
2. Plant Beaver Valley Power Station	Unit No1	·
Shippingport, PA 15077 (ADDRESS)	200015455 Repair/Replacement Organization P.O. No., J	ob Na. etc.
3. Work Performed By <u>FENOC - Construction</u>	Type Code Symbol Stamp	; • • • •
CADORESS)	Authorization No.       N/A         Expiration Date       N/A	
4. Identification of System Feedwater, BV-1-24-Sys	stem (Q3)	
5. (a) Applicable Construction Code ANSI B31.1.0 1967 Ec	• •	
<ul> <li>(b) Applicable Edition of Section XI Utilized for Repair/Replacement</li> <li>(c) Applicable Section XI Code Case(s) N-416-2</li> </ul>	· · · · · · · · · · · · · · · · · · ·	

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Kleatification	Year Buik	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
·							
FE-1FW-101C	VALCOR	3 3		•	2002	INSTALLED	• NO
	· · · · · · · · · · · · · · · · · · ·	<ul> <li>√ 3, 0</li> </ul>	•		·	· · · · · · · · · · · · · · · · · · ·	
•			· • • • • •			•	

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7. Description of Work <u>Installation of cavitating venturis into the Auxiliary Feedwater System lines</u> feeding the steam generators

• • •

8. Tests Conducted:

Hydrostatic* 🔲 Pneumatic* 🔲 Nominal Operating Pressure 🛛 Exempt 🗍 Other 🗌 Pressure Normal psi

Normal °F Test Temp.

*Record test pressure and temperature

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RTL # A4.414-A

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#### FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

# CERTIFICATE OF COMPLIANCE

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

N/A

horest Nanage Dale

Type Code Symbol Stamp

Certificate of Authorization No. ____N/A

Expiration Date

Signed

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this inspection.

Commissions

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N/A

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12/6

. Date ____

FORM %-ADM-0801.F02 REV 2		:	
FORM 2-ADM-0801, F02 REV 2	•	:	

RTL # A4414-A

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Owner Fi	rst Energy Nuclea	ar Operating Co	mpany Da	ite	12/02	2/04		•••
	۲۸۸۹ South Main Stre	eet - Akron, OH		eet <u>1</u>	öf	1		- 4 
Plant	Beaver Valley	Power Station	Ur	it No.		1	•	•
•	Route 168, Ship	e) pingport, PA 15 ss)	077	Westing Repair/Replacement		.O. 7024829		
Work Perfo	rmed By <u>BV</u>	PS/Special Pro	i <u>ects</u> Ty	pe Code Symbo	l Stamp	<u> </u>		
	Shippingport; P/			,-	<u></u>		v (, milejelj)	
				piration Date		N/A		
(a) Applicable	on of System e Construction Code le Edition of Section >	Section III	or Coolant (Q1	<u>W66</u> Addenda, _		Code Cas	ë	
(a) Applicable (b) Applicabl (c) Applicabl	e Construction Code	Section III O Utilized for Repair ase(s)	or Coolant (Q1	<u>W66</u> Addenda, vity <u>1989 Edition N</u>		Code Cas	e .	
<ul><li>(a) Applicable</li><li>(b) Applicable</li><li>(c) Applicable</li></ul>	e Construction Code le Edition of Section ) le Section XI Code Ca	Section III O Utilized for Repair ase(s)	or Coolant (Q1) 1965 Ellition, /Replacement/Acti	<u>W66</u> Addenda, vity <u>1989 Edition N</u>		Code Cas	ASME Code Stanfod (Yes or No)	
(a) Applicable (b) Applicable (c) Applicable Identificatio	e Construction Code le Edition of Section X le Section XI Code Ca in of Components Name of	Section III G Utilized for Repair ase(s)	or Coolant (Q1) 1965 Etition, /Replacement Acti	<u>W66</u> Addenda, vity <u>1989 Edition N</u>	o Addenda Yerr	Corrected Removed	ASME * Code Stamped (Yes or	
(a) Applicable (b) Applicable (c) Applicable Identificatio Name of Component Steam	e Construction Code le Edition of Section J le Section XI Code C: on of Components Name of Manufacturer	Section III O Utilized for Repair ase(s) Manufacturer Serial No.	or Coolant (Q1) 1965 Etition, /Replacement Acti National Board No.	<u>Wi66</u> Addenda, vity <u>1989 Edition N</u> Uter Identification	Year Built 1971	Corrected Corrected Removed Installed	ASME Code Stampod (Yes or No)	
(a) Applicable (b) Applicable (c) Applicable Identificatio Name of Component Steam	e Construction Code le Edition of Section J le Section XI Code C: on of Components Name of Manufacturer	Section III O Utilized for Repair ase(s) Manufacturer Serial No.	or Coolant (Q1) 1965 Etition, /Replacement Acti National Board No.	<u>W66</u> Addenda, vity <u>1989 Edition N</u> Other Identification	Year Built 1971	Corrected Corrected Removed Installed	ASME Code Stamped (Tes or No)	

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

"Record test pressure and temperature

FORM 1/-ADM-0801.F	02 REV 2 RTL # A4 414-A	•
	FORM NIS-2 (Back)	
9. Remarks <u>ASME</u>	E Work Order: (Tube Plugging) 200062494	•
:	Applicable Manufacture's Data Reports to be attached	•
PA 434597	en e	:
	n en	
	CERTIFICATE OF COMPLIANCE	
I certify that the stat Code, Section XI.	tements made in the report are correct and that this conforms to the requirements of the ASME	•
Type Code Symbol Sta	amp _per 1/2 ADM-0801, "ASME Section XI Repair/Replacement & Repair/Alteration Program"	
Certificate of Authoriza	ation No. <u>N/A</u> Expiration Date <u>N/A</u>	
Signed Ly All	airti J& Provert Manager Date December 02, 20_04	; .
<u> </u>	Owner of Owner's Designee, Tight States and Sta	•

#### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National	Board of Boiler and Pressure Vessel Inspectors	
and the State or Province of Pennsylvania and employed by	HSB CT	of
HARTFORD, CT.	have inspected the components described in this	
Owner's Report during the period $\frac{4-26-93}{100}$ to	12 - 22 - 84, and state that to the	ю
best of my knowledge and belief, the Owner has performed examination	ions and taken corrective measures described in this	5
Owner's Report in accordance with the requirements of the ASME Co	ide, Section XI.	

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

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_____ 20 <u>ØY</u>___

2-22.

Date

Commissions

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le, Province, and Endorsements

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FORM 1/- ADM-0801.F02 REV 2	•	•	RTL # A4.4	9783A. 114-A
		Form No.	1762	· · ·
FORM NIS-2 OWNER'S REPORT FOR R As Required by the Provisions o			VITY	
1. Owner First Energy Nuclear Operating Company	Date	12/02/	04	
76 South Main Street - Akron, OH 44308 (ADORESS)	Sheet	<u>1</u> of	1	· · ·
2. Plant Beaver Valley Power Station	Unit No.	<u> </u>		
Route 168, Shippingport, PA 15077	Wes	tinghouse P.C	<u>D. 7024829</u>	
(ADDRESS)	Repair/Repla	cement Organization F	.O. No., Job No., e	
3. Work Performed ByBVPS/Special Projects	Type Code Syr	nbol Stamp	N/A	
(NAME)	1			ra en la transferio de la compañía d
Shippingport, PA 15077	Authorization N	lo	N/A	
	Expiration Date	<u> </u>	<u>N/A</u>	
4. Identification of System Reactor Coola	int (Q1)			774 1 6
5. (a) Applicable Construction Code <u>Section III</u> 1965	· • •	\.		· · · · · ·
<ul><li>(d) Applicable Edition of Section XI Utilized for Repair/Replacer</li><li>(e) Applicable Section XI Code Case(s)</li></ul>	nent Activity <u>1989 Editi</u>	on No Addenda	· ·	· · · · · · · · · · · · · · · · · · ·
6. Identification of Components	e frifa fri ne t	•	•. •	, waar totoo aan

• 2

Name of . Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Corrected, Removed, or Installed	ASME Code Stampod . (Yes. or No)	e provinské servinské servinské servinské servinské servinské servinské servinské servinské servinské servinsk Provinské servinské s
Steam . Generator	Westinghouse	DLGT-1302	68-46	IRC-E-1B	1971	Corrected	···· ····	
·····								
· · · · · · · · · · · · · · · · · · ·				<u>{</u>	 			
					· ·		· · ·	• :

7. Description of Work ____Installed 80 Inconel 690 tube plugs (40 tubes). Installed new gaskets on

# primary manways & secondary side handholes.

8. Tests Conducted: Hydrostatic* 🗋 Pneumatic* 🔲 Nominal Operating Pressure 🗵 Exempt 🗍

Other 🗋 · Pressure _____ psi Test Temp. _____ °F

*Record lest pressure and temperature

%-ADM		

RTL # A4.414

. Remarks <u>ASME Work (</u>	Applic	able Manufacturer's Data Repo	ord to be attached
		·	· · · · · · · · · · · · · · · · · · ·
•	•••••••••••••••••••••••••••••••••••••••	•••••	
<u>PA 434598</u>	•		
		•	
			· · ·
· · · ·	CERTIF	ICATE OF COMPL	LIANCE
		-	
		·	and the second states and
I certify that the statements			t this conforms to the requirements of the ASME
I certify that the statements			
I certify that the statements ode, Section XI.	made in the report	t are correct and that	t this conforms to the requirements of the ASME
I certify that the statements ode, Section XI.	made in the report	t are correct and that	
I certify that the statements ode, Section XI. pe Code Symbol Stamp <u>pe</u>	made in the report	l are correct and that ASME Section XI Re	t this conforms to the requirements of the ASME epair/Replacement & Repair/Alteration Program"
I certify that the statements ode, Section XI. ype Code Symbol Stamp <u>pe</u>	made in the report	t are correct and that	t this conforms to the requirements of the ASME epair/Replacement & Repair/Alteration Program"
I certify that the statements ode, Section XI.	made in the report	l are correct and that ASME Section XI Re	t this conforms to the requirements of the ASME epair/Replacement & Repair/Alteration Program"
I certify that the statements ode, Section XI. ype Code Symbol Stamp <u>pe</u> ertificate of Authorization No.	made in the report	t are correct and that <u>ASME Section XI Re</u> Expiration Date	t this conforms to the requirements of the ASME epair/Replacement & Repair/Alteration Program"
I certify that the statements ode, Section XI. pe Code Symbol Stamp <u>pe</u> ertificate of Authorization No.	made in the report <u>r 1/2 ADM-0801. "</u> <u></u>	l are correct and that ASME Section XI Re	t this conforms to the requirements of the ASME epair/Replacement & Repair/Alteration Program"
I certify that the statements ode, Section XI. The Code Symbol Stamp <u>pe</u> ertificate of Authorization No.	made in the report	t are correct and that <u>ASME Section XI Re</u> Expiration Date	t this conforms to the requirements of the ASME epair/Replacement & Repair/Alteration Program"
I certify that the statements ode, Section XI. pe Code Symbol Stamp <u>pe</u> ertificate of Authorization No.	made in the report <u>r 1/2 ADM-0801. "</u> <u></u>	t are correct and that <u>ASME Section XI Re</u> Expiration Date <u>Anoget</u> Date	t this conforms to the requirements of the ASME epair/Replacement & Repair/Alteration Program"
I certify that the statements ode, Section XI. The Code Symbol Stamp <u>pe</u> ertificate of Authorization No.	made in the report	t are correct and that <u>ASME Section XI Re</u> Expiration Date <u>Anoget</u> Date	t this conforms to the requirements of the ASME <u>epair/Replacement &amp; Repair/Alteration Program</u> <u>N/A</u> <u>December 02</u> , 20 <u>04</u>

I, the undersigned, holding a valid commission issued by the Nationa			sure Vessel Inspectors
and the State or Province of <u>Pennsylvania</u> and employed by	HSB	<u>c7</u>	o
HARTFORD, CT.			ponents described in this
Owner's Report during the period $4-26-103$ to	12-22	-\$4	, and state that to the
best of my knowledge and belief, the Owner has performed examinat	tions and taker	orrective	measures described in this
Owner's Report in accordance with the requirements of the ASME Co	ode, Section X	I. •	•

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

dean J. hynik	Commissions NB9428 ANIB	PA2384
Inspector's signature	National Board, State, Province, and	
		-
Date $/2 - 22, 20 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $		

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RTL # A

		Form	No	1763	
FORM NIS-2 OWNER'S REPORT FOR F As Required by the Provisions of	of the ASME Cod			( Antonio de la composita	Seterna a
1. Owner _ First Energy Nuclear Operating Company	·		12/02/04	an an an the state of the state	_
(NAME) 76 South Main Street - Akron, OH 44308	Sheet	_1	of	1	
(ADDRESS) 2. Plant Beaver Valley Power Station	Unit No.		1	•	•
(NAME) Route 168, Shippingport, PA 15077 (ADORESS)	W		USE P.O. 70		
3. Work Performed By <u>BVPS/Special Projects</u>	Type Code S	ymbol Si	amp	N/A	
Shippingport; PA:15077					<u>ae</u> l marga (arabia) M
· · · · · · · · · · · · · · · · · · ·	Expiration D	ate	<u> </u>	<u>A</u>	
<ol> <li>Identification of System <u>Reactor Coola</u></li> <li>(a) Applicable Construction Code <u>Section III</u> 1965</li> </ol>	ant (Q1)	enda,	1429 Co	de Case	
(f) Applicable Edition of Section XI Utilized for Repair/Replacer (g) Applicable Section XI Code Case(s)	and a set of the set o			· · · · · · ·	

6. Identification of Components

Name of Component Steam Generator	Name of Manufacturer Westinghouse	Manufacturer . Scrial No. DLGT-1303	National Board No. 68-47	Other Identification	Year Built 1971	Corrected	Yes	stanica de la composición de
			s – Austrikasty – Ak Leteral B≡skripting			en e	1 1	n ta se og fag se sk Vaf i nykter i se st
					·-· ·	2 - ² - 2 - 4 - 4	<b>2</b>	ener e la provinción de la composición de la composición de la composición de la composición de la composición No servición de la composición de la com
				ſ				

7. Description of Work _____Installed 104 Inconel 690 tube plugs (52 tubes). Installed new gaskets on

primary manways & secondary side handholes. Replaced 1 Primary M/W stud.

8. Tests Conducted: Hydrostatic* Pneumatic* Nominal Operating Pressure Exempt Other 🗌 Test Temp. ٩F Pressure psi

*Record lest pressure and temperature

	5 8 4 L A		
FORM %-	10082	and the	STRUCE
rukm 72-	ADM-U	801.FU	IZ KEV Z

RTL # A4.414

Replaced stud on cold leg primary manway (	cturer's Data Reports to be attached
<u>PA 434599</u>	e and a second straight for the second s
•	a di kana mataka kata da sa sa sa sa
CERTIFICATE	OF COMPLIANCE
I certify that the statements made in the report are con de, Section XI.	rect and that this conforms to the requirements of the ASME
pe Code Symbol Stamp <u>per 1/2 ADM-0801; "ASME S</u>	ection XI Repair/Replacement & Repair/Alteration Program"
gned	iration DateN/A Date <u>December 02</u> 2004
	and the second
	ISERVICE INSPECTION
, the undersigned, holding a valid commission issued by the N ind the State or Province of <u>Pennsylvania</u> and employe	
	have increased the components described in this
	have inspected the components described in this
HARTFORD, CT.	to $12 - 22 - 84$ , and state that to the

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

τΒ Commissions A Inspector's Sign Province, and Endorsement 20 \$4 Date 12 22

RTL # A4.414-A

	Form No. <u>1772</u>
FORM NIS-2 OWNER'S REPORT FOR REP As Required by the Provisions of the A	
1. Owner	Date 1/18/05
76 South Main Street - Akron, OH 44308 (ADDRESS)	Sheet of
2. Plant <u>Beaver Valley Power Station</u>	Unit No1
ADDRESS)	200066371 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Plant Engineering	Type Code Symbol StampNot Applicable
Shippingport, PA 15077	Authorization NoN/A
(ADDRESS)	Expiration Date

 $\phi = f_{ij}$ 

4. Identification of System Reactor Component Cooling

5. (a) Applicable Construction Code ANSI B31.1 1967 Edition, S71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific-Scientific	24499	N/A	CC-HSS-021B		Replaced	No
Snubber	Pacific-Scientific	16932	N/A	CC-HSS-021B		Replacement	No
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			Anna 1	· · · ·			· · · · · · · · · · · · · · · · · · ·
				······································			

7. Description of Work ______ Replaced snubber with spare for testing/refurbishment purposes

8. Tests Conducted: Hydrostatic

۶.

Other 🗌

Pneumatic Pressure _____ psi

Nominal Operating Pressure

Test Temp. _____ °F

9. Remarks ______ The snubbers were replaced with a used spare rotated from stock. No Code Data Reports ______

are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE ·· We certify that the statements made in the report are correct and this _____ ____Replacement conforms to the rules of the ASME Code Section XI. Repair Or Replacement ١. N/A Type Code Symbol Stamp **Expiration Date** NA Certificate of Authorization No. ____N/A___ somaines Date Jan 18,2005 Wet Beofra Smilling Signed **CERTIFICATE OF INSERVICE INSPECTION** I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ______ Pennsylvania___ and employed by ______ HSB CT_____ of have inspected the components described in the Hartford, CT. 1 - 21 - 05, and state that to 4-26-03 10 Owner's Report during the period the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer ` shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. g Commissions Z and Endorsements 1-21- .2005 Date

RTL # A4.414-A

•		: · .	Form No.		
	IER'S REPORT FOR REI by the Provisions of the				
1. Owner F.E.N.O.C(NAME)	·····	Date	1/1	8/05	
76 South Main Street - Akt (ADDRESS)	ron, OH 44308	Sheet	0	f1	
2. Plant <u>Beaver Valley I</u> (NAME)	Power Station	Unit No.		1	
Shippingport, P (ADDRESS)	PA 15077		2000663 ORGANIZATION P.O	74 NO, JOB NO, ETC	
3. Work Performed By _Plant	Engineering (NAME)	Type Code S	ymbol Stamp	Not Applic	able
	A 15077	Authorization	No	N/A	
(ADDRESS)		Expiration Da	ate	, • <b>#</b>	·
4. Identification of System _	Reactor Coolant (Non C	), but within first	anchor)		

5. (a) Applicable Construction Code <u>ANSI B31.1</u> 19<u>67</u> Edition, <u>S71</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989E</u>

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific-Scientific	3699	N/A	RC-PSSP-129		Replaced	No
Snubber	Pacific-Scientific	3694	N/A	RC-PSSP-129		Replacement	No
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			Seco y			· · ·	:
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7. Description of Work <u>Replaced snubber with spare for testing/refurbishment purposes</u>.

Pressure _____ psi

8. Tests Conducted: Hydrostatic

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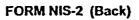
Ω,

drostatic [] P

Other 🗌

Pneumatic Nominal Operating Pressure

Test Temp. _____ °F



9. Remarks <u>The snubbers were replaced with a used spare rotated from stock</u>. 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 repor conforms to the rules of the ASME Code Section XI		Replacement Repair Or Replacement				
Type Code Symbol Stamp	N/A ^N ·					
Certificate of Authorization No. <u>N/A</u>	Expiration Date	N/A				
Signed <u>Pobert Brooking Snubber Högren</u> Owner or Owner's Designee, Tike	Arner Date _	Jan 18 . 2005				

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.....

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> , have inspected the components described in the Owner's Report during the period $4/-26-183$ to $1-24-165$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. f f f f f f f f
Date,2005

RTL # A4.414-A

Form No. ______1774___

As Required by the Provisions of the	
1. Owner F.E.N.O.C	Date 1/18/05
76 South Main Street – Akron, OH 44308	Sheet of1
2. PlantBeaver Valley Power Station	Unit No1
ADDRESS)	200066377 REPAIR ORGANIZATION P.O., NO., JOB NO., ETC.
3. Work Performed By <u>Plant Engineering</u>	Type Code Symbol Stamp <u>Not Applicable</u>
Shippingport, PA 15077	Authorization No. <u>N/A</u>
(ADDRESS)	Expiration Date

4. Identification of System Blowdown

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• • • 5. (a) Applicable Construction Code ANSI 831.1 _ 19<u>67</u> Edition, <u>S71</u> Addenda, __<u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements _1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	. Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific-Scientific	20928	N/A	WGCB-PSSP- 200A		Replaced	No
Snubber	Pacific-Scientific	16933	N/A	WGCB-PSSP- 200A		Replacement	No
Snubber	Pacific-Scientific	25736	N/A	WGCB-PSSP- 55E		Replaced	No
Snubber	Pacific-Scientific	25511	, N/A	WGCB-PSSP- 55E		Replacement	No
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	· · · ·					· · ·	
				·			

7. Description of Work <u>Replaced snubber with spare for testing/refurbishment purposes</u>

8. Tests Conducted: Hydrostatic

. ...

Other

Pressure

Pneumatic Nominal Operating Pressure

Test Temp. _____ ۰F

_ psi

9. Remarks <u>The snubbers were replaced with a used spare rotated from stock</u>. No Code Data Reports

are available. The snubbers were purchased non-NF components (non-code).

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CERTIFICATE	OF COMPLIANCE	
We certify that the statements made in the report conforms to the rules of the ASME Code Section XI.		Replacement Repair Or Replacement
Type Code Symbol Stamp	N/A	
Certificate of Authorization No. <u>N/A</u>	Expiration Date	N/A
Signed Blat Broken Southar Program	Owner_ Date _	Jan 18, 2005

CERTIF	FICATE OF INSERVICE INSPEC	TION
I, the undersigned, holding a valid commiss and the State or Province of <u>Pennsylva</u>	ania and employed by <u>HSE</u>	<u>3_CT</u> of
Hartford, CT. Owner's Report during the period the	have inspected the comport 4-26-83 to	$\underline{/-2/-95}$ , and state that to
best of my knowledge and belief, the Owne this	r has performed examinations and	taken corrective measures described in
Owner's Report in accordance with the requ	uirements of the ASME Code, Sect	tion XI.
By signing this certificate neither the inspec the examinations and corrective measures des employer shall be liable in any manner for any persor with	cribed in this Owner's Report. Fur	thermore, neither the Inspector nor his
this inspection.	٤	* *
Dear S. Lignie Inspectory Anature	Commissions	I, N, PA2384 National Board, State, Province, and Endorsements
Date <u>1-2(-</u>	_ , <u>2005</u>	

RTL # A4.414-A

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FORM NIS-2 OWNER'S REPORT FOR RI As Required by the Provisions of th	EPAIRS OR REPLACEMENTS
1. OwnerF.E.N.O.C	Date 1/18/05
76 South Main Street – Akron, OH 44308 (ADDRESS)	Sheet of
2. Plant Beaver Valley Power Station	Unit No1
ADDRESS)	200066386 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3. Work Performed By Plant Engineering	Type Code Symbol Stamp
Shippingport, PA 15077	Authorization NoN/A
(ADORESS)	Expiration Date*
4. Identification of System Feedwater	

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5. (a) Applicable Construction Code <u>ANSI B31.1</u> 19<u>67</u> Edition, <u>S71</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989E</u>

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	30460	N/A	WFPD-HSS-229		Replaced	No
Snubber	Grinnell	24503		WFPD-HSS-229		Replacement	No
	- <u></u> .						
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		4 ⁻ - 42	station (the s			•	•
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			··* · · ·				
				· · · ·			

7. Description of Work ______ Replaced snubber with spare for testing/refurbishment purposes.

8. Tests Conducted:

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Hydrostatic 🗌

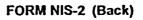
Pressure

Other

Pneumatic Nominal Operating Pressure

_____ psi

Test Temp. _____ °F



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).
•				

CERTIFIC	CATE OF COMPLIANCE	•
We certify that the statements made in the conforms to the rules of the ASME Code Section		- Replacement Repair Or Replacement
Type Code Symbol Stamp	N/A:	
Certificate of Authorization NoN/A	Expiration Date	N/A
Signed _ Lobert Broshen Saubbert	Harom Owner Date	Jan 18 ,2005

CERT	IFICATE OF INSERVICE INSPEC	NOITS
I, the undersigned, holding a valid commis and the State or Province of <u>Pennsyh</u> <u>Hartford, CT,</u> Owner's Report during the period the	vania and employed byHS have inspected the compo	BCT of . ments described in the
best of my knowledge and belief, the Own this	ner has performed examinations and	I taken corrective measures described in
Owner's Report in accordance with the re	quirements of the ASME Code, Sec	tion XI.
the examinations and corrective measures de employer	escribed in this Owner's Report. Fur	arranty, expressed or implied, concerning thermore, neither the inspector nor his loss of any kind arising from or connected
this inspection.		÷
Date 1-21-	۶ 	I NI PAZ384 National Board, State, Province, and Endorsements

RTL # A4.414-A

			Form	NO. <u>11</u>	70
<u></u>	FORM NIS-2 OWNER'S REPORT FOR REPA As Required by the Provisions of the A			NTS	
1.	Owner F.E.N.O.C.	Date		1/18/05	
	76 South Main Street – Akron, OH 44308 (ADDRESS)	Sheet	_1	of	1
2.	Plant Beaver Valley Power Station	Unit No.		1	
	Shippingport, PA 15077		2000	066387	
	(ADDRESS)	REPAIR ORG	ANIZATION	1 P.O. NO., JO	DB NO., ETC.
3.	Work Performed By Plant Engineering	type Code Sym	bol Sta	mp	Not Applicable
	Shippingport, PA 15077	Authorization No	)	N	Ά
	(ADDRESS)	Expiration Date			L * -

4. Identification of System <u>Mainsteam</u>

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5. (a) Applicable Construction Code ______ ANSI B31.1 ___ 1967 Edition, S71 Addenda, _____ Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements ______

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	8333	N/A	SHP-HSS-206		Replaced	No
Snubber	Grinnell	8335	N/A	SHP-HSS-206	· · ·	Replacement	No
Snubber	Grinnell	19825	N/A	SHP-HSS-211	-	Replaced	No
Snubber	Grinnell	19826	N/A	SHP-HSS-211		Replacement	No
			and the second	· .			·,
		•	N.C. A.A.	<u>.</u>		· 	
						<u>^</u>	
				4 <b>X</b>			
		5 LA 1	n ar esta la composition			· · · · · · · ·	· ·
					-		·

7. Description of Work ______ Replaced snubber with spare for testing/refurbishment purposes.

8. Tests Conducted: Hydrostatic

ydrostatic

Pressure

Other [

Pneumatic Nominal Operating Pressure

Test Temp. _____ °F

_____ psi

FORM	NIS-2	(Back)
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9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports

are available. The snubbers were purchased non-NF components (non-code).

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this conforms to the rules of the ASME Code Section XI.	Replacement Repair Or Replacement
Type Code Symbol StampN/A	
Certificate of Authorization No. <u>N/A</u> Expiration Date Signed <u>Polenti Booles Subber Program Owner</u> Date	

CERTIF	ICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commiss	ion issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province ofPennsylva	niaand employed byHSB_CTof
Hartford, CT	have inspected the components described in the
Owner's Report during the period the	4/-26-93 to $1/-21-95$ , and state that to
best of my knowledge and belief, the Owner this	r has performed examinations and taken corrective measures described in
Owner's Report in accordance with the requ	irements of the ASME Code, Section XI.
employer	cribed in this Owner's Report. Furthermore, neither the inspector nor his nat injury or property damage or a loss of any kind arising from or connected
this inspection.	ŕ
Dean S. Dignito Inspector Signature	Commissions <u>I</u> , N, PA2384 National Board, State, Province, and Endorsements
Date $(-\alpha)/-$	, <u>2005</u>
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RTL # A4.414-A

Form No. ____1777

FORM NIS-2 OWNER'S REPORT FOR RE As Required by the Provisions of the		
1. Owner	Date	1/18/05
76 South Main Street – Akron, OH 44308	Sheet1	of1
2. Plant <u>Beaver Valley Power Station</u>	Unit No.	1
Shippingport, PA 15077 (ADDRESS)		200066389 ATION P.O. NO., JOB NO., ETC.
3. Work Performed By Plant Engineering (NAME)	Type Code Symbol	Stamp <u>Not Applicable</u>
Shippingport, PA 15077	Authorization No.	N/A
(ADDRESS)	Expiration Date	1 <b>#</b> - 2, 43 -

- 2

4. Identification of System _____ Residual Heat Removal____

5. (a) Applicable Construction Code ______ ANSI B31.1 ____ 1967 Edition, S71 Addenda, _____ N/A _____ Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements ______ 1989E _____

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	11739	N/A	RH-HSS-203	-	Replaced	No
Snubber	Grinnell	8315	N/A	RH-HSS-203	-	Replacement	No
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			1941 - 1944 - 19	····			
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7. Description of Work ______ Replaced snubber with spare for testing/refurbishment purposes._____

8. Tests Conducted: Hydrostatic

 Hydrostatic
 Pneumatic

Other
 Pressure

Pneumatic Nominal Operating Pressure

Test Temp. _____ °F

FO	RM	NIS-2	(Back)
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9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports

CER	CERTIFICATE OF INSERVICE INSPECTION				
I, the undersigned, holding a valid comm	nission issued by the National Board of Boiler and Pressure Vessel Inspectors				
and the State or Province of	<u>vlvania_</u> and employed byHSB CT of				
Hartford, CT.					
. Owner's Report during the period the	4-26-43 to $1-21-45$ , and state that to				
best of my knowledge and belief, the Ov this	wher has performed examinations and taken corrective measures described in				
Owner's Report in accordance with the	requirements of the ASME Code, Section XI.				
the examinations and corrective measures (	described in this Owner's Report. Furthermore, neither the inspector nor his				
• • •					
shall be liable in any manner for any per	rsonal injury or property damage or a loss of any kind arising from or connected				
employer shall be liable in any manner for any per with this inspection.	rsonal injury or property damage or a loss of any kind arising from or connected				
shall be liable in any manner for any per with					
shall be liable in any manner for any per with this inspection.					

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RTL # A4.414-A

[•] Form No. ____1778

	FORM NIS-2 OWNER'S REPORT FOR REPA As Required by the Provisions of the A	
1.	Owner <u>F.E.N.O.C.</u>	Date1/18/05
÷	76 South Main Street Akron, OH 44308 (ADDRESS)	Sheet of
2.	Plant Beaver Valley Power Station	Unit No1
	Shippingport, PA 15077 (ADDRESS)	200066390 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.
3.	Work Performed By Plant Engineering	Type Code Symbol StampNot Applicable
	Shippingport, PA 15077	Authorization No N/A
	(ALUKESS)	Expiration Date

4. Identification of System _____ Reactor Component Cooling & Residual Heat Removal

5. (a) Applicable Construction Code ______ ANSI B31.1___ 1967 Edition, S71 Addenda, _____ N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	22179	N/A	CC-HSS-408		Replaced	No
Snubber	Grinnell	25881	N/A	CC-HSS-408		Replacement	·No
Snubber	Grinnell	9153	N/A	RH-HSS-114		Replaced	No
Snubber	Grinnell	8402	N/A	RH-HSS-114		Replacement	No
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· · ·		· · · · ·	TTAC		•		
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7. Description of Work ______ Replaced snubber with spare for testing/refurbishment purposes.

8. Tests Conducted: Hydrostatic

Other Pressure .

Pneumatic Nominal Operating Pressure _ psi

Test Temp. ____ ۰F 9. Remarks The snubbers were replaced with a used spare rotated from stock. No Code Data Reports

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are available, The snubbers were purchased non-NF components (non-code).

CERTIFICATE	E OF COMPLIANCE	
We certify that the statements made in the repo conforms to the rules of the ASME Code Section X	ort are correct and this (I	Replacement Repair Or Replacement
ype Code Symbol Stamp	N/A	
Certificate of Authorization NoN/A	Expiration Date	N/A
Signed Robert Brodes, Strubber Hours	Date	Tan 18, 2005
CERTIFICATE OF		
	,	
I, the undersigned, holding a valid commission issued to and the State or Province of <u>Pennsylvania</u> and <u>Hartford, CT.</u> Owner's Report during the period <u>Y</u>	employed by <u>HSB CT</u> a inspected the components d	of
he best of my knowledge and belief, the Owner has perfor his	med examinations and taken	corrective measures described in
Owner's Report in accordance with the requirements of	the ASME Code, Section XI.	
By signing this certificate neither the inspector nor his e he	mployer makes any warranty,	expressed or implied, concerning
examinations and corrective measures described in this mployer	s Owner's Report. Furthermo	re, neither the inspector nor his
shall be liable in any manner for any personal injury or j with	property damage or a loss of a	any kind arising from or connected
this inspection.		*
Dean S. Lyno	f Commissions Nation	nal Board, State, Province, and Endorsements
Date <u>1-21-,2005</u>		

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RTL # A4.414-A

Form No. ____1779_

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

1. Owner	Date1/18/05	
76 South Main Street – Akron, OH 44308	Sheet of	<u> </u>
2. Plant Beaver Valley Power Station	Unit No. 11	
Shippingport, PA 15077	200066391 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.	
3. Work Performed By Plant Engineering	Type Code Symbol Stamp <u>Not Applicable</u>	<u>e</u>
Shippingport, PA 15077	Authorization NoN/A	:
(ADDRESS)	Expiration Date	: 

4. Identification of System _____Containment Depressurization, Safety Injection & River Water_____

ANSI B31.1 1967 Edition, S71 Addenda, N/A 5. (a) Applicable Construction Code Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E

6. Identification of Components Repaired or Replaced and Replacements Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code Stamped (YES or NO)
Snubber	Grinnell	8402	N/A	RS-HSS-209A	-	Replaced	No
Snubber	Grinnell	9185	N/A	RS-HSS-209A		Replacement	No
Snubber	Grinnell	25881	N/A	SI-PSSP-010		Replaced	No
Snubber	Grinnell	8804	N/A	SI-PSSP-010	1	Replacement	No
Snubber	Grinnell	8173	N/A	WR-HSS-308	· · ·	Replaced	No
Snubber	Grinnell	8179	N/A	WR-HSS-308		Replacement	No
	······	1		٤			
					•		

7. Description of Work _____ Replaced snubber with spare for testing/refurbishment purposes.

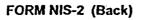
8. Tests Conducted: Hydrostatic

Other Pressure _____ psi

Pneumatic

Nominal Operating Pressure Test Temp.

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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
Type Code Symbol Stamp N/A ³ .
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Signed Robert Broska, Snubber Proc. Owner Date Jan 18, 2005
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>HSB CT</u> of <u>Hartford, CT</u> have inspected the components described in the Owner's Report during the period $4-26-93$ to $1-21-45$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Dean S. Trysito Inspectors Signature Commissions I, N, PA2384 National Board, State, Province, and Endorsements
Date,2005

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