

Lew W. Myers Senior Vice President 412-393-5234 Fax: 724-643-8069

June 30, 2000 L-00-091

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

Thirteenth Refueling Outage Inservice Inspection Report

This letter forwards the Inservice Inspection (ISI) Ninety-Day report on ASME Class 1, 2, 3, and MC components examined during the thirteenth refueling outage at Beaver Valley Unit No. 1. The ASME Boiler and Pressure Vessel Code, Section XI, Article IWA-6230 requires that an inservice inspection report be submitted to the enforcement and regulatory authority having jurisdiction at the plant site within ninety days after completion of an inservice inspection. The recent inservice inspection term at Beaver Valley Unit No. 1 ended on April 5, 2000.

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

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

Sincerely,

Lew W. Myers

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c: Mr. D. S. Collins, Project Manager

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

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

Ms. M. E. O'Reilly (FirstEnergy Legal Department)

Mr. J. Payton, Commonwealth of Pennsylvania

A047

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

Outage 13, Year 2000

Inspection Term: 1/1/1998 to 4/5/2000

Issue date: 6.27-00

Approved by:

Owner: FirstEnergy Nuclear Operation Company

76 South Main St. Akron, OH 44308

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

Prepared by:

Reviewed by:

Supervisor, ISI/IST/Maintenance Rule

Reviewed by:

Reviewe

Manager, Engineering Technical Support

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

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

### 7. Components Inspected

_		Manufacturer or Installer	State or	National
Component or	Manufacturer or			
Appurtenance	Installer	Serial No.	Province No.	Board No.
Reactor Vessel	Combustion Engineering	69103	B105642	21011
Pressurizer	Westinghouse	1311	434676V	69-50
RC-P-1A, 1B, 1C	Westinghouse	1-6185931-G01 2-6185931-G01 3-6185931-G01	N/A	N/A
Steam Generators	Westinghouse	RC-E-1A, RC-E-1B, RC-E-1C	434597V 434598V 434599V	68-45 68-46 68-47
RV-RC-551B	Target Rock	69C	N/A	N/A
RH-E-1A	Joseph Oat	1832-1	434682V	368
Boron Injection Tank	Struthers Wells	SI-TK-2	434783V	133314
CH-P-1A	Pacific Pumps	49191	N/A	N/A
RH-P-1A	Ingersoll-Dresser	1170-20	N/A	N/A
RS-P-2A	Bingham Willamette	290596	N/A	N/A
SI-P-1B	Ingersoll-Dresser	0671-141	N/A	N/A
Component Cooling Surge Tank	PX Engineering	CC-TK-1	N/A	N/A
Reactor Coolant Piping	Southwest Fabricating	N/A	N/A	N/A
Auxiliary Piping	Schneider Power	N/A	N/A	N/A

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

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

# FORM NIS-1 (Back)

8. 1	Examination Dates 01/01/1998 to 04/05/2000
9. ]	Inspection Period Identification: 09/21/1997 to 08/01/2001
10.	Inspection Interval Identification: 09/21/1997 to 03/31/2008
11.	Applicable Edition of Section XI 1989 Addenda None
12.	Date/Revision of Inspection Plan: 1TYPP-3, Revision 0
13.	Abstract of Examination and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. All examinations scheduled by the Inspection Plan for the 1 <sup>st</sup> Period have been performed. See Appendix I (Code Exams) and IA (Limited Exams).
14.	Abstract of Results of Examination and Tests. See text of summary report.
15.	Abstract of Corrective Measures. See Appendix III, 1R13 Deficiency Report.
XI.	We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan equired by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section tificate of Authorization No. (if applicable)  Expiration Date N/A  FirstEnergy Nuclear Operating Co. By  (Owner)
Owi with the	CERTIFICATE OF INSERVICE INSPECTION  The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 01/01/98 to 04/05/2000 and state that to the best of my knowledge and belief, the ner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance in the Inspection Plan and as required by the ASME Code, Section XI.  By signing this certificate neither the Inspector nor his employer make any warranty, expressed or implied, concerning examinations, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising nor connected with this inspection.  Commissions NB7509 (N, I), PA2162  National Board, State, Province and Endorsements
Date	June 27, 2000

### **OUTAGE SUMMARY**

During the Thirteenth Refueling Outage (1R13) at the Beaver Valley Power Station, Unit 1, Inservice Inspection (ISI) examinations were performed on Class 1, 2, 3 and MC components. This was the second outage in the first period of the third ten year interval. Also included in this report and the counts below, are examinations performed prior to 1R13 during plant operation. The examinations were based on ASME Section XI, 1989 Edition. All of the required examinations for the current period have been performed. Appendix IA contains limited examinations that require relief requests.

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

- 1. One hundred, six (106) Class 1 exams were performed and are divided as follows:
  - a. Welds (vessels, pumps, piping, and attachments)

Ultrasonic Exams - 4
Penetrant Exams - 13
Visual Exams - 1

b. Reactor Vessel bolting

Ultrasonic Exams - 19 Mag Particle Exams - 19 Visual Exams - 38

- c. RCP flange bolting (UT) 1
- c. Visual Examinations

RV interior (VT-1) - 1
Pipe Supports (VT-3) - 9
Valve body (VT-3) - 1

- 2. One hundred, fifty-nine (159) Class 2 exams were performed and are divided as follows:
  - a. Welds (vessels, pumps, piping, and attachments)

Ultrasonic Exams - 48
Penetrant Exams - 58
Mag Particle Exams - 8
Visual Exams - 2
b. Bolting (UT) - 5
c. Supports, visual exams - 38

3. Forty-one (41) visual exams of Class 3 supports were performed and are divided as follows:

a. Supports, visual exams
b. Attachments, visual exams
13

Examinations were performed by FirstEnergy Nuclear Operating Company (FENOC) and contracted NDE Technicians. Appendix I compiles the examinations that have been credited toward fulfilling the Ten Year Plan requirements. Appendix IA identifies limited coverage examinations that require relief requests. Appendix II lists additional and successive examinations that were required during 1R13. Appendix III is the 1R13 Deficiency Report.

# **IWE Containment Examination**

The BV-1 Containment Liner and associated components (penetrations, welded attachments, bolting) were examined during 1R13 in accordance with 10CRF50.55a(b)(2)(ix). The general visual found no conditions that affected either the containment structural integrity or leak tightness. VT-3 examinations were also completed on the moisture barrier and on the bolting removed from the reactor cavity blind flange and the equipment hatch. The examination of the moisture barrier resulted in re-caulking of an 18-inch length of the moisture barrier due to cracking of the caulking and separation of the caulking from the liner. The bolting examinations found no unacceptable conditions.

# **Pressure Testing**

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

# **Deficiency Resolution**

There was one recorded deficiency in 1R13. It was evaluated and reported per administrative procedures. Appendix III provides information regarding this deficiency.

# Steam Generator Tube Examination

One hundred percent of the in-service tubes were examined in the three generators. Results of the examinations are contained in Appendix IV.

# NRC Bulletin 88-09, Flux Thimbles

In accordance with NRC Bulletin No. 88-09, all 50 flux thimble tubes were examined using multi-frequency eddy current techniques. Appendix V contains the results.

### NIS-2 Forms

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

# APPENDIX I

# COMPLETED CODE EXAMINATIONS

•		NDE	
COMPONENT	COMPONENT	REPORT	OUTAGE
COMPONENT	DESCRIPTION	NUMBER	REMARKS
IDENTIFICATION		======	
=======================================			
** ASME ITEM NUMBER / E	EXAM CATEGORY: B03.120 B-D		
RC-TK-1-RADIUS-6	NOZZLE INSIDE RADIUS	VT00029	
** ASME ITEM NUMBER / 1	EXAM CATEGORY: B05.040 B-F		
RC-104-1-E-01	NOZZLE TO SAFE END	PT00021	PT ONLY REQ'D, BASED ON 1R12 EXAM.
** ASME ITEM NUMBER / I	EXAM CATEGORY: B06.010 B-G-1		
RC-R-1-NUT-1	BOLTING	VT00200	
RC-R-1-NUT-2	BOLTING	VT00200	
RC-R-1-NUT-3	BOLTING	VT00200	
RC-R-1-NUT-4	BOLTING	VT00200	
RC-R-1-NUT-5	BOLTING	VT00200	
RC-R-1-NUT-6	BOLTING	VT00200	
RC-R-1-NUT-7	BOLTING	VT00200	
RC-R-1-NUT-8	BOLTING	VT00200	
RC-R-1-NUT-9	BOLTING	VT00200	
RC-R-1-NUT-10	BOLTING	VT00200	
RC-R-1-NUT-11	BOLTING	VT00199	
RC-R-1-NUT-12	BOLTING	VT00199	
···-	BOLTING	VT00199	
. RC-R-1-NUT-13		VT00199	
(C-R-1-NUT-14	BOLTING	VT00199	
RC-R-1-NUT-15	BOLTING	VT00199	•
RC-R-1-NUT-16	BOLTING	VT00199	
RC-R-1-NUT-17	BOLTING	VT00199	
RC-R-1-NUT-18	BOLTING	VT00199	
RC-R-1-NUT-19	BOLTING	¥100177	
** ASME ITEM NUMBER /	EXAM CATEGORY: B06.030 B-G-1		
RC-R-1-STUD-1	BOLTING	UT00043	
		MT00051	
RC-R-1-STUD-2	BOLTING	UT00044	
		MT00042	
RC-R-1-STUD-3	BOLTING	UT00045	
		MT00043	
RC-R-1-STUD-4	BOLTING	UT00046	
		MT00044	
RC-R-1-STUD-5	BOLTING	UT00047	
		MT00045	
RC-R-1-STUD-6	BOLTING	UT00048	
		MT00046	
RC-R-1-STUD-7	BOLTING	UT00049	
		MT00047	
RC-R-1-STUD-8	BOLTING	UT00050	
110 11 . Jiw w	# - <del></del>	MT00048	
RC-R-1-STUD-9	BOLTING	UT00051	
		MT00049	
RC-R-1-STUD-10	BOLTING	UT00052	
NO N   3100 10			•

# APPENDIX I, COMPLETED EXAMINATIONS

	COMPONENT	NDE REPORT	OUTAGE
COMPONENT	COMPONENT Description	NUMBER	REMARKS
IDENTIFICATION		======	
		MT00050	
RC-R-1-STUD-11	BOLTING	UT00053 MT00033	
RC-R-1-STUD-12	BOLTING	UT00054 MT00034	
RC-R-1-STUD-13	BOLTING	UT00055 MT00035	
RC-R-1-STUD-14	BOLTING	UT00056 MT00036	
RC-R-1-STUD-15	BOLTING	UT00057	
RC-R-1-STUD-16	BOLTING	MT00037 UT00058	
RC-R-1-STUD-17	BOLTING	MT00038 UT00059	
RC-R-1-STUD-18	BOLTING	MT00039 UT00060	
RC-R-1-STUD-19	BOLTING	MT00040 UT00061	
		MT00041	
* ASME ITEM NUMBER / EXAM		VT00303	•
RC-R-1-WASHER-1	BOLTING	VT00202 VT00202	
RC-R-1-WASHER-2	BOLTING	VT00202	
RC-R-1-WASHER-3	BOLTING	VT00202	
RC-R-1-WASHER-4	BOLTING	V100202 V100202	
RC-R-1-WASHER-5	BOLTING		
RC-R-1-WASHER-6	BOLTING	VT00202	
RC-R-1-WASHER-7	BOLTING	VT00202	
RC-R-1-WASHER-8	BOLTING	VT00202	
RC-R-1-WASHER-9	BOLTING	VT00202	
RC-R-1-WASHER-10	BOLTING	VT00202	
RC-R-1-WASHER-11	BOLTING	VT00203	
RC-R-1-WASHER-12	BOLTING	VT00203	
RC-R-1-WASHER-13	BOLTING	VT00203	
RC-R-1-WASHER-14	BOLTING	VT00203	
RC-R-1-WASHER-15	BOLTING	VT00203	
RC-R-1-WASHER-16	BOLTING	VT00203	
RC-R-1-WASHER-17	BOLTING	VT00203	
RC-R-1-WASHER-18	BOLTING	VT00203	
RC-R-1-WASHER-19	BOLTING	VT00203	
** ASME ITEM NUMBER / EXAM			LEAVAGE ON GOLTING UT DEEEDBAL NOT
RC-P-1A-B(F)-1 TO 24	BOLTING		LEAKAGE ON BOLTING, UT DEFERRAL NOT
RC-P-1B-B(F)-1 TO 24	BOLTING	VT00 <b>184</b> VT00185	12 BOLTS EXAMINED VT-1.

			NDE	
COMPONENT	COMPONENT		REPORT	OUTAGE
IDENTIFICATION	DESCRIPTION		NUMBER	REMARKS
			222222	
** ASME ITEM NUMBER / EXAM		B-G-2		TOUR DEVOUED FOR EVAN
RC-P-1B-B(S)-1 TO 12	BOLTING		VT00115	BOLTING REMOVED FOR EXAM.
** ASME ITEM NUMBER / EXAM	CATEGORY: B09.011	B-J		
SI-121-4-S-06	BUTT WELD		UT00009	
	51177 1151 B		PT00017 UT00010	
SI-121-4-S-05	BUTT WELD		PT00017	
	DUTT LIELD		UT00011	
SI-121-4-S-04	BUTT WELD		PT00017	
			7 100011	
** ASME ITEM NUMBER / EXAM	CATEGORY: B09.021	B-J		
RC-P-1A-E-01	BUTT WELD		PT00029	ADDED EXAM DUE TO UNSAT ON B PUMP.
RC-P-1C-E-01	BUTT WELD		PT00029	ADDED EXAM DUE TO UNSAT ON B PUMP.
** ASME ITEM NUMBER / EXAM	CATEGORY: B09.040	B-J		
CH-140-6-F-09	SOCKET WELD		PT00010	
CH-140-7-F-11	SOCKET WELD		PT00012	
CH-140-8-S-07	SOCKET WELD		PT00012	
CH-23-2-S-02	SOCKET WELD		PT00023	
RC-75-28-S-01	SOCKET WELD		PT00024	·
si-102-2-s-06	SOCKET WELD		PT00006	
SI-102-2-S-05	SOCKET WELD		PT00006	
SI-102-2-S-04	SOCKET WELD		PT00006	
SI-102-2-S-03	SOCKET WELD		PT00007	
** ASME ITEM NUMBER / EXAM	CATEGORY: B10.020	B-K		
CH-140-6-A-01	WELDED ATTACHM	ENT SUPPORT PS-2	PT00011	
** ASME ITEM NUMBER / EXAM	CATEGORY: 812.010	B-L-1		
RC-P-1A-C-1	CASING WELD		VT00146	
** ASME ITEM NUMBER / EXAM	CATEGORY: B12.050	B-M-2		
RV-RC-551B	VALVE BODY		VT99209	
** ASME ITEM NUMBER / EXAM	CATEGORY: B13.010	B-N-1		
RC-R-1-ACC-INT	INTERIOR		VT00121	
NO R 1 NOO 1M7				
** ASME ITEM NUMBER / EXAM			UT00030	
SI-TK-2-C-1	CIRCUMFERENTIA		UT00030	LIMITED UT, 86% COV'G. RR 1TYP3-RH-E-1-1.
RH-E-1A-C-1	CIRCUMFERENTIA	L BUIT WELD	U100041	Carrier Dry Con Cot of the Title the E
** ASME ITEM NUMBER / EXAM	CATEGORY: CO2.033	C-8		
RH-E-1A-N-3	NOZZLE-TO-VESS	EL WELD	VT97124	
RH-E-1A-N-4	NOZZLE-TO-VESS	EL WELD	VT97124	

NDE

		NDE	
COMPONENT	COMPONENT	REPORT	OUTAGE
IDENTIFICATION	DESCRIPTION	NUMBER	REMARKS
	== ====================================	======	
** ASME ITEM NUMBER / EXAM	CATEGORY: C03.010 C-C		
RH-E-1A-A-01 TO 08	WELDED ATTACHMENT SUPPORT	PT00033	INDICATIONS ACCEPTABLE.
** ASME ITEM NUMBER / EXAM	CATEGORY: C03.020 C-C		
WFPD-23-3-A-01 TO 02	WELDED ATTACHMENT SUPPORT SH-9	MT00014	
CH-80-2-A-05	WELDED ATTACHMENT SUPPORT R-50	PT00014	
CH-82-1-A-01	WELDED ATTACHMENT SUPPORT PS-A-1	PT00004	
CH-75-1-A-06	WELDED ATTACHMENT SUPPORT R-86	PT98053	
SI-7-1-A-01	WELDED ATTACHMENT SUPPORT VS-13	PT98057	
** ASME ITEM NUMBER / EXAM	CATEGORY: C04.010 C-D		
SI-TK-2-STUD-1	BOLTING	UT00062	
SI-TK-2-STUD-2	BOLTING	UT00063	
SI-TK-2-STUD-3	BOLTING	UT00064	
SI-TK-2-STUD-4	BOLTING	UT00065	
SI-TK-2-STUD-5	BOLTING	UT00066	
** ASME [TEM NUMBER / EXAM	CATEGORY: C05.011 C-F-1		
P11-G-S-09	PIPE WELD	UT98122	
		PT98055	•
SI-15-1F-F-1D	PIPE WELD	UT98116	
		PT98054	
SI-15-1E-F-1E	PIPE WELD	UT98117	
		PT98054	
SI-15-1E-F-02	PENETRATION WELD	UT98118	
		PT98054	
SI-26-3-S-03	PIPE WELD	UT98105	
		PT98049	
SI-16-3-S-04	PIPE WELD	UT98120	
		PT98056	
SI-30-1-F-1A	PIPE WELD	UT00003	
		PT00013	
RH-18-1-S-08	PIPE WELD	UT00019	
		PT00018	
RH-18-1-S-09	PIPE WELD	UT00020	
		PT00018	
RH-18-1-S-03	PIPE WELD	UT00017	
		PT00019	
RH-18-1-S-01	PIPE WELD	UT00016	
		PT00019	
RH-12-4-S-01	PIPE WELD	UT00004	
		. PT00016	
** ASME ITEM NUMBER / EXAM	CATEGORY: C05.012 C-F-1		
RH-18-1-L-04	LONGITUDINAL PIPE WELD	UT00025	
•		PT00020	
RH-18-1-L-05	LONGITUDINAL PIPE WELD	UT00026	

		NDE	
COMPONENT	COMPONENT	REPORT	OUTAGE
IDENTIFICATION	DESCRIPTION	NUMBER	REMARKS
22222222222222222222		======	
		PT00020	
RH-18-1-L-06	LONGITUDINAL PIPE WELD	UT00021	
		PT00020	
RH-18-1-L-07	LONGITUDINAL PIPE WELD	UT00027	
		PT00020	
RH-18-1-L-08	LONGITUDINAL PIPE WELD	UT00028	
		PT00020	
RH-18-1-L-09	LONGITUDINAL PIPE WELD	UT00029	
		PT00020	
RH-18-1-L-10	LONGITUDINAL PIPE WELD	UT00022	
		PT00020	
RH-18-1-L-11	LONGITUDINAL PIPE WELD	UT00023	
		PT00020	
RH-18-1-L-12	LONGITUDINAL PIPE WELD	UT00024	
		PT00020	
SI-16-3-L-64	LONGITUDINAL WELD	UT98121	
		PT98058	
?H-12-4-L-56	LONGITUDINAL WELD	UT00007	
· · · · · · · · · · · · · · · · · · ·		PT00015	
RH-12-4-L-57	LONGITUDINAL WELD	UT00008	•
		PT00015	
** ASME ITEM NUMBER / EXAM CATE			
SI-130-1-S-03	PIPE WELD	UT00002	
•		PT00008	
si-133-5-s-06	PIPE WELD	UT98098	
		PT98047	
\$1-133-5-\$-05	PIPE WELD	UT98099	
		PT98047	
si-133-5-s-04	PIPE WELD	UT98100	
		PT98047	
SI-133-5-S-03	PIPE WELD	UT98101	
		PT98047	
SI-133-5-S-01	PIPE WELD	UT98102	
		PT98047	
SI-133-5-F-06	PIPE WELD	UT98103	
		PT98047	
SI-133-6A-S-05	PIPE WELD	UT98104	
		UT9 <b>8048</b>	
**	EGORY: C05.030 C-F-1		
** ASME ITEM NUMBER / EXAM CAT		PT00007	
SI-82-1-F-1A	SOCKET WELD	PT00007	
S1-82-2-S-4A	SOCKET WELD	PT00005	
\$I-84-1-S-03	SOCKET HELD	PT00002	
SI-86-2-F-1C	SOCKET HELD	PT00002	
\$I ~86-2B-F-02	SOCKET WELD	PT00003	
CH-89-1B-F-1A	SOCKET WELD	F100033	

		NDE	CHILDE
COMPONENT	COMPONENT	REPORT NUMBER	OUTAGE REMARKS
IDENTIFICATION	DESCRIPTION	-	
CH-95-1-S-01	SOCKET WELD	PT00037	1/16" ROUNDED, 1/16" LINEAR INDICATIONS.
CH-95-2-S-01	SOCKET WELD	PT00027	
CH-87-4-F-3C	SOCKET WELD	PT0003 <b>8</b>	LINEAR INDICATIONS 0.1" IN LENGTH.
CH-93-1C-F-06	PENETRATION WELD	PT00039	•
CH-124-1-F-01	SOCKET WELD	PT00009	
RS-SI-F-28	FILLET WELD	PT98051	
QS-2-2A-F-4A	FILLET WELD	PT98063	
** ASME ITEM NUMBER / EXA	M CATEGORY: C05.051 C-F-2		
SHP-58-5-F-06	PIPE WELD	UT00035	
		MT00017	
WFPD-23-82-F-10-C	PIPE WELD	UT00013	
		PT00011	
WFPD-23-82-S-02	PIPE WELD	UT00014	
		MT00011	
WFPD-23-82-F-1A-C	PIPE WELD	UT00015	
		MT00011	
* ASME ITEM NUMBER / EXA	AM CATEGORY: C05.052 C-F-2		
SHP-58-3-L-03	LONGITUDINAL WELD ALONG ELBOW	UT00033 MT00016	
SHP-58-3-L-04	LONGITUDINAL WELD ALONG ELBOW	UT00034	
2HP-30-3-1-04	FOUND LAND AFED AFFINE FEBRUARY	MT00016	
** ACME ITEM NUMBED / FY	AM CATEGORY: C06.010 C-G		
RS-P-28-2	PUMP CASING WELD	PT98062	
RS-P-2B-4	PUMP CASING WELD	PT98062	
** ASME ITEM NUMBER / EX/	AM CATEGORY: DO1.010 D-A		
CC-TK-1-A-01	WELDED ATTACHMENT SUPPORT WS-1	VT98112	
RH-E-1A-A-17 TO 22	UPPER LUG WELDED ATTACHMENT	VT00110	
RH-E-2A-A-01	SADDLE ATTACHMENT FOR WS-1	VT00165	
CC-TK-1-A-02	WELDED ATTACHMENT SUPPORT WS-2	VT98112	
CC-TK-1-A-03	WELDED ATTACHMENT SUPPORT WS-3	VT98112	
CC-TK-1-A-04	WELDED ATTACHMENT SUPPORT WS-4	VT98112	
** ASME ITEM NUMBER / EX	AM CATEGORY: DO1.020 D-A		
WAPD-25-11-A-05	WELDED ATTACHMENT SUPPORT PSA001	VT98100	
CC-116-4-A-11	WELDED ATTACHMENT SUPPORT R-27C-2	VT00139	
CC-116-5-A-01 TO 02	WELDED ATTACHMENT SUPPORT R-18C-3	VT000 <b>79</b>	
WR-19-7-A-01	WELDED ATTACHMENT SUPPORT R-24	VT980 <b>97</b>	
WR-17-1-A-02	WELDED ATTACHMENT SUPPORT SH-68	VT98085	
WR-20-6-A-03	WELDED ATTACHMENT SUPPORT R-61	VT98097	
WR-43-2-A-01	WELDED ATTACHMENT SUPPORT A-91	VT98097	
ye <sup>e</sup>			
**_ASME ITEM NUMBER / EX		VT00090	
CH-140-PS-2	SUPPORT	¥100070	

			NDE	
COMPONENT	COMPONENT		REPORT	OUTAGE
IDENTIFICATION	DESCRIPTION		NUMBER	REMARKS
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SI-102-A-PS-2	SUPPORT		VT00053	
** ASME ITEM NUMBER / E	YAM CATEGORY: FO1.10R	F-A		
CH-96-R-PS-7	SUPPORT	• •	VT00077	
CH-96-R-PS-8	SUPPORT		VT00077	
CH-96-R-PS-12	SUPPORT		VT00077	
CH-96-R-PS-14	SUPPORT		VT00077	
SI-23-R-PS-5	SUPPORT		VT00052	
SI-130-R-85	SUPPORT		<b>08</b> 000TV	
** ASME ITEM NUMBER / E	XAM CATEGORY: F01.10S	F-A		
SI-111-SH-16	SUPPORT		VT00054	
***************************************	VAM 0477000V- 704 304	P. A		
** ASME ITEM NUMBER / E		F-A	VT00020	
CH-82-PS-A-1	SUPPORT		VT98157	
SI-1-A-15	SUPPORT		4170137	
' ASME ITEM NUMBER / E	XAM CATEGORY: F01.20R	F-A		
SI-163-PSR-33B	SUPPORT		VT98095	
CH-79-PS-R-10	SUPPORT		VT98152	•
CH-78-PS-R-6	SUPPORT		VT98087	
CH-77-PS-R-2	SUPPORT		VT98138	
CH-77-VS-3	VALVE SUPPORT		VT98138	
CH-77-PS-R-1	SUPPORT		VT98138	
CH-80-R-50	SUPPORT		VT00019	
CH-73-R-84	SUPPORT		VT98139	
CH-74-R-85	SUPPORT		VT98088	
CH-75-R-86	SUPPORT		VT98153 VT00018	
CH-81-R-224	VALVE SUPPORT		VT00018	
CH-81-R-227	VALVE SUPPORT		VT00018	
CH-82-R-58 CH-81-R-3-11C-2	SUPPORT Support		VT00177	
CH-81-R-3-9C-2	SUPPORT		VT00177	
CH-81-PS-R-19	SUPPORT		VT00015	
CH-94-PS-R-26	VALVE SUPPORT		VT00017	
CH-95-PS-R-22	SUPPORT		VT00017	
CH-125-R-74	SUPPORT		VT00021	
CH-125-H-75	SUPPORT		VT00178	
SI-60-R-71	SUPPORT		VT00128	SUCCESSIVE EXAM
SI-1-R-17B	SUPPORT		VT98156	
SI-26-PSR-070A	SUPPORT		VT98096	
SI-72-R-311A	SUPPORT		VT00140	
RH-18-R-31	SUPPORT		VT00111	
RS-10-R-71	SUPPORT		VT98172	
QS-3-R-21	SUPPORT		VT98102	
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		NDE	
COMPONENT	COMPONENT	REPORT	OUTAGE
IDENTIFICATION	DESCRIPTION	NUMBER	REMARKS
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	TUM 0177000V- 504 300 F-A		
•	EXAM CATEGORY: F01.20S F-A	VT00125	
WFPD-23-SH-9	SUPPORT	VT98155	
SI-6-SH-52	SUPPORT	VT00108	
RH-12-SH-8	SUPPORT SUPPORT	VT00109	
RH-12-SH-4 RS-9-SH-48	SUPPORT	VT98103	
, ко-у-оп-40	SOFFORT	***************************************	
** ASME ITEM NUMBER /	EXAM CATEGORY: F01.20V F-A		
CH-80-VS-50A	SUPPORT	VT00019	
\$I-133-VS-236	SUPPORT	VT98082	
si-7-vs-13	SUPPORT	VT98154	
** ASME ITEM NUMBER /	EXAM CATEGORY: F01.30A F-A		
CC-261-A-10B-4	SUPPORT	VT00143	
CC-262-A-264	SUPPORT	VT00076	
WR-43-A-91	SUPPORT	VT98098	
~~~	EXAM CATEGORY: F01.30H F-A	VT980 <b>76</b>	,
WAPD-2-RH-5	SUPPORT	VT98076 VT98147	
FC-5-RH-2	SUPPORT	V170147	
** ASME ITEM NUMBER /	EXAM CATEGORY: F01.30R F-A		•
CC-8-R-54	SUPPORT	VT98107	
CC-41-R-111	SUPPORT	VT98107	
CC-54-R-55	SUPPORT	VT98108	
CC-130-R-40C-2	SUPPORT	VT00139	
CC-116-R-27C-2	SUPPORT	VT00079	
cc-116-R-18C-3	SUPPORT	VT00079	
CC-258-R-23C-2	SUPPORT	VT00142	
CC-265-R-43C-3	SUPPORT	VT00142	
CC-114-R-40D-1	SUPPORT	VT00141	
CC-114-R-180	SUPPORT	VT000 <b>78</b> VT98110	
CC-112-R-207	SUPPORT	VT98110 VT98110	
CC-510-R-237	SUPPORT	VT98099	
WR-19-R-24	SUPPORT	VT98083	
WR-187-R-31	SUPPORT	VT98099	
WR-20-R-61	SUPPORT	VT98086	
WR-119-R-152	SUPPORT	V170000	
** ASME ITEM NUMBER /	EXAM CATEGORY: F01.30S F-A		
WR-17-SH-68	SUPPORT	VT98085	
* ASME ITEM NUMBER /	EXAM CATEGORY: F01.30V F-A		
WR-17-VS-19	SUPPORT	VT98084	
•	5V4W 047500DV- 504 /05		
	EXAM CATEGORY: F01.40E F-A	VT00163	VT00-166 BASELINE FOLLOWING REWELD.
RH-E-1A-WS-1	LOWER FOOT SUPPORT NO. 1	¥100103	1140 100 1000100 10000000

# APPENDIX I, COMPLETED EXAMINATIONS

		NDE	
COMPONENT	COMPONENT	REPORT	OUTAGE
IDENTIFICATION	DESCRIPTION	NUMBER	REMARKS
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		VT00166	
RH-E-1A-WS-2	LOWER FOOT SUPPORT NO. 2	VT00163	NUTS NOT FLUSH WITH MATING SURFACE.
			CR00-1180. ACC AS IS. EM 95058, 95073.
RH-P-1A-CS-1	SUPPORT	VT00112	
RH-P-1A-CS-2	SUPPORT	VT00112	
RH-P-1A-CS-3	SUPPORT	VT00112	
CC-TK-1-WS-1	SUPPORT LEG	VT98109	
RH-E-1A-RSTR-3	UPPER RESTRAINT ASSEMBLY	VT00110	
RH-E-2A-WS-1	SADDLE STRUCT. SUPP. FORMERLY SUPP-1	VT00165	
RS-P-2A-SUP	PUMP SUPPORT	VT99221	SUCCESSIVE EXAM.
SI-P-1B-SUP	PUMP SUPPORT	VT99220	SUCCESSIVE EXAM.
CC-TK-1-WS-2	SUPPORT LEG	VT98109	
CC-TK-1-WS-3	SUPPORT LEG	VT98109	
CC-TK-1-WS-4	SUPPORT LEG	VT98109	

# APPENDIX IA LIMITED CODE EXAMINATIONS

# APPENDIX IA LIMITED EXAMINATIONS

COMP ID	COMP DESC	ITEM NO.	EXAM REPORT	REMARKS
RC-P-1A-A-2	Welded Support	B10.30	GLBPT00040	LIMITED PT, 80% COV'G. NEED RELIEF
SI-121-4-S-03	Butt Weld	B09.11	GLBUT00012 GLBPT00017	LIMITED UT, 76% COV'G. NEED RELIEF
SI-130-1-F-01	Pipe Weld	C05.21	NABUT00001 ERDPT00008	LIMITED UT, 45.8% COV'G. NEED RELIEF
SI-TK-2-N-3	Nozzie to Vessel Weld	C02.21	DXMUT00031 GLBMT00012	LIMITED UT, 87.8% COV'G. NEED RELIEF
SI-16-3-S-07	Pipe Weld	C05.11	GFFUT98119 GLBPT98056	LIMITED UT, 62.5% COV'G. NEED RELIEF
SI-TK-2-E-01	Pipe Weld	C05.11	DXMUT00036 GLBPT00022	LIMITED UT, 86% COV'G. NEED RELIEF
RH-18-1-S-04	Pipe <b>∜</b> Veld	C05.11	NABUT00018 ERDPT00019	LIMITED UT, 75% COVG. NEED RELIEF
RH-12-4-F-03	Pipe Weld	C05.11	NABUT00005 ERDPT00016	LIMITED UT, 65% COV'G. NEED RELIEF
RH-12-5-F-04	Pipe Weld	C05.11	NABUT00006 ERDPT00016	LIMITED UT, 65% COV'G. NEED RELIEF
RH-E-1A-C-2	Circ. Butt Weld	C01.10	DXMUT00042	LIMITED UT, 71% COVG. NEED RELIEF
	RC-P-1A-A-2 SI-121-4-S-03 SI-130-1-F-01 SI-TK-2-N-3 SI-16-3-S-07 SI-TK-2-E-01 RH-18-1-S-04 RH-12-4-F-03 RH-12-5-F-04	RC-P-1A-A-2 Welded Support SI-121-4-S-03 Butt Weld SI-130-1-F-01 Pipe Weld SI-TK-2-N-3 Nozzle to Vessel Weld SI-16-3-S-07 Pipe Weld SI-TK-2-E-01 Pipe Weld RH-18-1-S-04 Pipe Weld RH-12-4-F-03 Pipe Weld RH-12-5-F-04 Pipe Weld	RC-P-1A-A-2 Welded Support B10.30 SI-121-4-S-03 Butt Weld B09.11 SI-130-1-F-01 Pipe Weld C05.21 SI-TK-2-N-3 Nozzle to Vessel Weld C02.21 SI-16-3-S-07 Pipe Weld C05.11 SI-TK-2-E-01 Pipe Weld C05.11 RH-18-1-S-04 Pipe Weld C05.11 RH-12-4-F-03 Pipe Weld C05.11 RH-12-5-F-04 Pipe Weld C05.11	RC-P-1A-A-2 Welded Support B10.30 GLBPT00040 SI-121-4-S-03 Butt Weld B09.11 GLBUT00012 GLBPT00017 SI-130-1-F-01 Pipe Weld C05.21 NABUT00001 ERDPT00008 SI-TK-2-N-3 Nozzle to Vessel Weld C02.21 DXMUT00031 GLBMT00012 SI-16-3-S-07 Pipe Weld C05.11 GFFUT98119 GLBPT98056 SI-TK-2-E-01 Pipe Weld C05.11 DXMUT00036 GLBPT00022 RH-18-1-S-04 Pipe Weld C05.11 NABUT00018 ERDPT00019 RH-12-4-F-03 Pipe Weld C05.11 NABUT00005 ERDPT00016 RH-12-5-F-04 Pipe Weld C05.11 NABUT00006 ERDPT00016

# APPENDIX II

ADDITIONAL or SUCCESSIVE EXAMINATIONS

# APPENDIX II ADDITIONAL AND SUCCESSIVE EXAMINATIONS

SUM_NO	COMP_ID	COMP_DESC	ITEM_NO	RESULT	REASON FOR EXAMINATION
069300	RC-P-1A-E-01	WELD	B09.021	SAT	Successive exam, Unsat exam last Period
069500	RC-P-1C-E-01	WELD	B09.021	SAT	Successive exam, Unsat exam last Period
502800	SI-60-R-71	PIPE SUPPORT	F01.20R	SAT	Additional exam, Unsat exam at sister location
655150	SI-P-1B-SUP	PUMP SUPPORT	F01:40E	SAT	Additional exam, Unsat exam at sister location
800850	RS-P-2A-SUP	PUMP SUPPORT	F01.40E	SAT	Successive exam, Unsat exam last Period

1

# APPENDIX III

DEFICIENCY REPORT SUMMARY

APPENDIX III 1R13 DEFICIENCY REPORT

Component	Rejecting	Condition	Description	Work Order	Closing
Identification	Report	Report No.		Number	Report
RC-P-1B-E-01	PT00-28	00-1177	CRACKED WELD	00-5456	PT00-34
IWE-Moisture Barrier	VT00-124	00-1097	CRACKED CAULKING	00-4640	VT00-206

# APPENDIX IV

# STEAM GENERATOR EDDY CURRENT EXAMINATIONS

### APPENDIX IV

# SUMMARY OF 1R13 STEAM GENERATOR EDDY CURRENT EXAMINATIONS

One hundred percent of the inservice tubes in each steam generator (1RC-E-1A, -1B, -1C) were examined full length with bobbin coil probes using multiple frequencies selected by the First Energy Nuclear Operating Company (FENOC). Special interest areas (e.g. top-of-tubesheet, low row U-bends, dents, dings & distorted signals) were further evaluated with various configurations of the Plus Point probe.

Westinghouse Electric personnel were utilized as the primary data acquisitioners and analysts. An independent second party review of all data was performed by Zetec, Inc. The analysis was performed manually, however, computer assisted analysis was used for sludge pile mapping, dent/ding signal recognition and possible ligament crack identification at tube support plates. APTECH Engineering performed a third party overview of the data. All analysts were required to pass a site specific performance demonstration prior to analyzing eddy current data from the current outage.

All examinations and analysis were performed in compliance with the Beaver Valley Power Station Unit 1 Technical Specifications, NRC Regulatory Guide 1.83, the EPRI "PWR Steam Generator Examination Guidelines" (Rev. 5), ISIE1-7, "Unit #1 Steam Generator Analysis Guidelines" (Rev. 5) and Generic Letter 95-05, "Voltage Based Repair Criteria for Westinghouse Steam Generator Tubes Affected by Outside Diameter Stress Corrosion Cracking".

In accordance with Generic Letter 95-05, magnetic-biased .720" diameter bobbin coil probes were used on all tube sections where the G. L. 95-05 requirements were applied. Smaller size bobbin probes (.700"; .680") were utilized in some of the lower row U-Bend areas (Rows 3 - 9) to allow the probe to traverse this region. Bobbin coil data acquisition speed was 40 inches per second. The following table summarizes the results:

	RC-E-1A	RC-E-1B	RC-E-1C
NO. OF TUBES EXAMINED WITH BOBBIN COIL	2588	2819	3037

A single coil magnetic biased Plus Point probe was used to examine the U-bend region of all inservice tubes in Rows 1 and 2 plus a 20% sample of U-bend region in the Row 3. The following table summarizes the results:

•	RC-E-1A	RC-E-1B	RC-E-1C
NO. OF U-BENDS EXAMINED WITH + POINT	127	123	187
NO. OF TUBES WITH U-BEND INDICATIONS	1	0	2

100% of the Distorted Support Plate Signals (DSI's) greater than the G. L. 95-05 limit of 2.00 volts were examined using a Plus Point probe. The following table summarizes the results:

	RC-E-1A	RC-E-1B	RC-E-1C
NO. OF DSI's	1271	936	817
DSI's > 2.00 VOLTS CONFIRMED BY + POINT	7	4	1

The Plus Point probe was used to examine 100% of the hot leg WEXTEX region in each steam generator. In addition, the Plus Point probe was used on: 100% of the RC-E-1A cold leg top-of-tubesheet region (This was due to the number of indications found the previous outage), a 20% random sample of the cold leg top-of-tubesheet region in RC-E-1B & a 20% random sample of the cold leg top-of-tubesheet region in RC-E-1C. Indications observed on the hot leg side (36 total) were repaired by tube sleeving (-1A & -1B) and/or tube plugging (-1C). No indications were observed on the cold leg side of the steam generator. The following table summarizes the results:

	RC-E-1A	RC-E-1B	RC-E-1C
NO. OF HOT LEG TUBES EXAMINED	2588	2819	3037
HOT LEG TUBES WITH INDICATIONS	8	15	13
NO. OF COLD LEG TUBES EXAMINED	2588	678	683
COLD LEG TUBES WITH INDICATIONS	0	0	0

### APPENDIX IV

# SUMMARY OF 1R13 STEAM GENERATOR EDDY CURRENT EXAMINATIONS

A total of 401 tubes were unplugged (226 in S/G "A", 175 in S/G "B") in anticipation of returning these locations to service through the Westinghouse laser welded sleeving process. Of these unplugged tubes, 11 tubes in RC-E-1A & 11 tubes in RC-E-1B were subsequently re-plugged with Westinghouse mechanical plugs manufactured from Inconel 690 material.

Five hundred sixteen laser welded tube sleeves were installed (S/G "A" - 303 sleeves in 229 tubes, S/G "B" - 213 sleeves installed in 185 tubes). Three sleeved tubes in RC-E-1B were removed from service. One tube sleeve (installed in an inservice tube) was plugged due to installation anomalies and two tubes sleeves (installed in unplugged tubes) were administratively removed from service.

Twenty-seven tubes were plugged during this outage. The following table summarizes the results:

	RC-E-1A	RC-E-1B	RC-E-1C
> 2.00 VOLTS (G. L. 95-05)	1	0	1
HOT LEG TOP-OF-TUBESHEET INDICATIONS	0	0	13
ROW 1/2 U-BEND INDICATIONS	1	0	2
C/L THINNING	4	2	1
SLEEVED TUBE WITH INDICATION	0	1	0
ADMINISTRATIVELY PLUGGED	1	0	0
TOTAL PLUGGED	7	3	17

In addition, several other activities took place:

- A) In accordance with the requirements of G. L. 95-05, 100% of dents > 5.00 volts located at support plates and support plate residual signals that could possibly mask a 1.00 volt indication were examined with the Plus Point probe. No indications were observed. In addition, 14 dents and/or free-span dings > 2.00 volts located between the hot leg top-of-tubesheet & the 3<sup>rd</sup> hot leg TSP were examined with RPC. No indications were observed.
- B) 100% of the bobbin data was analyzed to evaluate the TSP regions with regards to ligament cracking. No new indications were observed.
- C) Screening of the eddy current data for loose parts was performed on an area three rows deep around the periphery of the tube bundle in each generator. Loose part signals were then verified through secondary side visuals. FOSAR attempts were made to retrieve all parts. Those parts that could not be retrieved were analyzed to remain in the secondary side of the generators via 10CFR50.59 evaluations.
- D) A sludge pile profile was performed on 100% of the secondary side tubesheet for each generator. Sludge lancing was performed in RC-E-1A (30 lbs removed), RC-E-1B (43 lbs) & RC-E-1C (19 lbs).
- E) Seventy-four intersections on the cold leg side of RC-E-1A steam generator (1st & 2nd supports) were examined using RPC. Those intersections were hydraulically expanded in the 5th refueling outage as a remedial measure to control cold leg thinning. No indications were observed.
- F) Framatome Technologies' Inconel 600 roll plugs were examined using a single coil Plus Point probe. Plugs with indications were replaced with Inconel 690 material. In addition, a 20% sample of the FTI Inconel 690 roll plugs was examined using a Plus Point probe. No indications were observed in the I-690 plugs.
- G) In RC-E-1C, 70 Framatome Inconel 600 rolled plugs were removed leaving no I-600 plugs remaining in the generator. These locations were subsequently re-plugged with Westinghouse mechanical plugs manufactured from Inconel 690 material.
- H) Ninety-nine carbon steel J-tubes were replaced with Inconel 600 J-tubes. This completes a 100% change-out to Inconel 600.

# APPENDIX V

# FLUX THIMBLE EDDY CURRENT EXAMINATIONS

### APPENDIX V

### 1R13 FLUX THIMBLE EDDY CURRENT EXAMINATIONS

In accordance with NRC Bulletin No. 88-09: "Thimble Tube Thinning in Westinghouse Reactors", all 50 flux thimble tubes were examined to the maximum extent (length) possible employing a .188" diameter bobbin probe and multi-frequency eddy current techniques utilizing frequencies selected by First Energy Nuclear Operating Company.

The eddy current method utilized during this examination to report the depth (percent through wall - %TW) of wear (thinning) indications assumes the indications have a circumferential extent of approximately 90 degrees. An outside diameter mix (300/140 kHz) was established to reduce the influence from surrounding conductive structures. All indications were reported using this mix or the prime frequency channel based on analyst discretion.

Eighteen of the thimbles tubes that exhibited the most severe wear scars (during past examinations) were replaced this outage. The 1R13 examination was performed after the installation of the new thimble tubes.

The eddy current data received a second party review to assure all indications of wear were properly addressed and identified.

The table below summarizes the results of the examination:

DEFECT (% TW)	NO. OF TUBES
50% - 59% TW	3
40% - 49% TW	7
30% - 39% TW	7
20% - 29% TW	10
< 20% TW	1
NDD	22

NDD - No Detectable Degradation

# APPENDIX VI

# REPAIR/REPLACEMENT ABSTRACT AND NIS-2 FORMS

# NIS-2 APPENDIX

FILE NUMBER	MARK NUMBER	WORK ORDER	REPAIR or REPLACEMENT
642	MOV-1RW-114A	94-029284-000	Replacement
983	Pipe Supports	DCP-2264	Replacement
1036	Pipe Supports	DCP-2298	Replacement
1041	REJ-CC-16A	059361	Replacement
1047	PS-243-VS-1	070807	Replacement
1057	GN-TK-1A	DCP-2313	Replacement
1057	GN-TK-1B	DCP-2313	Replacement
1057	GN-TK-1C	DCP-2313	Replacement
1070	FP-800	072868	Replacement
1071	FP-804	072477	Replacement
1086	VS-E-4B	073492	Replacement
1095	SHP-HSS-213	076049	Replacement
1096	WFPD-HSS-206	076061	Replacement
1097	RC-PSSP-116	076065	Replacement
1098	WFPD-HSS-229	076079	Replacement
1100	RC-HC-9A	076043	Replacement
1101	CC-HSS-401	076044	Replacement
1102	RC-HSS-2	076045	Replacement
1103	RC-HSS-130	076046	Replacement
1104	RS-HSS-220	076048	Replacement
1105	SI-PSSP-2	076058	Replacement
1106	SI-PSSP-67C	076059	Replacement
1107	SI-HSS-516B	076060	Replacement
1108	WR-HSS-302	076062	Replacement
1110	CC-HSS-21A	076064	Replacement
1111	WGCB-PSSP-55H	076066	Replacement
1112	WGCB-PSSP-101	076067	Replacement
1113	CC-HSS-408	076068	Replacement
1114	FC-HSS-201	076069	Replacement
1115	RH-HSS-110	076070	Replacement
1116	RH-HSS-114	076071	Replacement
1117	RH-HSS-124	076072	Replacement
1118	RS-HSS-209A	076073	Replacement
1119	RS-HSS-210A	076074	Replacement
1120	SI-PSSP-60D	076075	Replacement
1121	SI-PSSP-337	076076	Replacement
1122	SI-HSS-523A	076077	Replacement
1123	WFPD-HSS-210	076078	Replacement
1124	WR-HSS-304B	076081	Replacement
1125	WR-HSS-313	076082	Replacement
1141	RV-1RC-551C	074908	Replacement
1152	1WR-67	99-202900-000	Replacement
1158	MS-81	078258	Repair
1159	SS-17	075974	Repair
1160	WR-3-1Z	078501	Replacement
1169	1RW-481	99-205747-002	Replacement
1170	1RW-486	99-205747-000	Replacement
1171	1RW-486	99-205747-002	Replacement
1172	SI-HSS-512A	078410	Replacement
1173	WR-66	97-064125-000	Replacement
1174	WR-67	97-064126-000	Replacement
1174	WR-67	97-064126-011	Replacement
			•

# NIS-2 APPENDIX

FILE NUMBER	MARK NUMBER	WORK ORDER	REPAIR or REPLACEMENT
1175	WR-68	99-216297-000	Replacement
1177	1RW-76	97-064126-000	Replacement
1178	1RW-77	97-064125-000	Replacement
1178	1RW-77	97-064125-002	Replacement
1179	1RW-78	97-064126-003	Replacement
1180	1RW-79	97-064125-003	Replacement
1200	1WR-P-1C	99-209275-020	Repair
1205	1RW-84	99-220852-000	Replacement
1208	1RW-488	99-213626-000	Replacement
1209	1MS-80	99-207254-000	Replacement
1210	1MS-81	99-207313-000	Replacement
1211	1MS-82	99-207283-000	Replacement
1212	RC-E-1A	P.O. 7024829	Repair
1213	RC-E-1B	P.O. 7024829	Repair
1214	RC-E-1C	P.O. 7024829	Repair
1215	1CH-P-1A	99-214843-000	Replacement
1218	NRV-1MS-101C	99-214049-000	Replacement
1219	MOV-1RH-758	97-068699-000	Replacement
1219	1RW-106	99-207295-000	Replacement
1244	REJ-1RW-6A	99-201218-000	Replacement
12 <del>44</del> 1246	1RC-P-1B	98-072482-000	Repair
1247	CH-95	99-213394-000	Replacement
1248	1FW-33	99-214068-000	Replacement
1251	1RS-E-1A	99-211769-000	Repair
1252	1RS-E-1C	99-211770-000	Repair
1253	RV-1RH-721	99-211166-000	Replacement
1254	1RH-P-1A	99-204982-000	Replacement
1255	RV-1RC-551A	99-211159-000	Replacement
1260	1RH-E-1A	00-003336-000	Replacement
1261	1RH-E-1B	00-003337-000	Replacement
1262	FE-1RH-605	00-003339-000	Replacement
1264	1RW-487	99-213625-000	Replacement
1266	1RH-7	98-072975-000	Replacement
1268	1RH-9	98-072391-000	Replacement
1270	MOV-1RC-556C	96-053910-000	Replacement
1272	REJ-1RW-25R	98-075700-000	Replacement
1273	1RW-107	99-214379-000	Replacement
1279	RC-HSS-4	99-211085-000	Replacement
1280	RC-HSS-101	99-211086-000	Replacement
1281	RS-HSS-229	99-211089-000	Replacement
1282	SI-PSSP-9	99-211091-000	Replacement
1283	SI-H <del>93</del> -515	99-211095-000	Replacement
1284	SI-HSS-522	99-211096-000	Replacement
1285	WR-HSS-316	99-211098-000	Replacement
1286	CC-HSS-1B	99-211101-000	Replacement
1287	RC-HSS-3	99-211106-000	Replacement
1288	SI-PSSP-10	99-211110-000	Replacement
1289	SI-PSSP-33A	99-211111-000	Replacement
1290	SI-HSS-212A	99-211113-000	Replacement
1291	SI-HSS-412	99-211114-000	Replacement
1292	SI-HSS-413	99-211115-000	Replacement
1293	SI-HSS-414	99-211116-000	Replacement

# NIS-2 APPENDIX

FILE NUMBER	MARK NUMBER	WORK ORDER	REPAIR or REPLACEMENT
1294	WR-HSS-310	99-211122-000	Replacement
1296	1RW-61	00-005155-000	Repair
1299	1RW-183	97-067155-000	Repair
1300	1RW-483	00-004417-002	Replacement
1301	TV-MS-111C	98-068950-000	Replacement
1302	CC-HSS-407A	99-211084-000	Replacement
1303	RC-HC-10B	99-210923-000	Replacement
1304	RS-HSS-237	00-004614-000	Replacement
1305	SHP-HSS-207	99-211108-000	Replacement
1306	SI-HSS-416	00-004613-000	Replacement
1307	WFPD-HSS-201	99-211117-000	Replacement
1308	WFPD-HSS-209	99-211118-000	Replacement
1309	WFPD-HSS-212	99-211121-000	Replacement
1310	TV-1BD-101A1	96-056300-000	Replacement
1311	CC-SH-220A	00-007743-000	Replacement
1312	TV-1BD-101B2	96-056299-000	Replacement
1314	1RW-YS-40	DCP-2400	Replacement
1315	1RW-YS-41	DCP-2400	Replacement
1316	1RW-YS-42	DCP-2400	Replacement
1319	1RW-76	00-000186-000	Replacement
1320	MEJ-1CC-2	DCP-2375	Replacement
1320	MEJ-1CC-12S	DCP-2375	Replacement
1321	1CCR-904	DCP-2375	Replacement
1321	1CCR-905	DCP-2375	Replacement
1321	1CCR-906	DCP-2375	Replacement

Form No.	642	
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# 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.				е	06-08	-2000		
76 South Main Street – Akron, OH 44308 (ADDRESS)				et <u>1</u>	of		<u> </u>	
2. Plant	Beaver Valley P	ower Station	Unit	t No.	•	1	<del> </del>	
· · · · · · · · · · · · · · · · · · ·	Shippingport, PA	A 15077		W.O. #		284-000 NO., JOB NO.,	ETC.	
3. Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Тур	Type Code Symbol Stamp Not Applicable				
	Shippingport, PA	,	Aut	Authorization No. N/A				
	(ADDRESS)		Exp	Expiration DateN/A				
4. Identification	n of System	River Water (Q	3)					
5. (a) Applicable	Construction Code	B31.1	19 <u>67</u> Edit	ion, <u>S'71</u> Ad	denda, _	Code Ca	1S <del>0</del>	
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements	1989E				
6. Identification	n of Components	Repaired or Re	placed and Rep	lacements Com	ponents	3		
						Repaired, Replaced,	ASME Code	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	or Replacement	Stamped (YES or NO)	
Butterfly Valve	Allis-Chalmers	N/A	N/A	MOV-IRW-II4A	1976	Repaired	No	
Studs	Nova Machine	N/A	N/A	Ht #69515-QQE	1999	Replace- ment	No	
Nuts	Nova Machine	N/A	N/A	Ht #68395/FSD	1999	Replace- ment	No	
			:					
7. Description of Work Replaced valve inlet/outlet studs and nuts.								
8. Tests Cond		8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp.						

# FORM NIS-2 (Back)

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this the rules of the ASME Code Section XI.	Replacement conforms
per NPDAP 8.5 "ASME Section XI Repair/Re	
rtificate of Authorization No. N/A Expiration Date	N/A
Owner or Owner's Designee, Title	June 8th , 20 <u>00 · </u>
CERTIFICATE OF INSERVICE INSPECTIO	M
the undersigned, holding a valid commission issued by the National Board of Boiler	and Pressure Vessel Inspectors
nd the State or Province of Pennsylvania and employed by Factory Mutt	
Johnston, R.I. have inspected the components de	'/2 /xx
est of my knowledge and belief, the Owner has performed examinations and taken or	orrective measures described in this
wher's Report in accordance with the requirements of the ASME Code, Section XI.	
y signing this certificate neither the inspector nor his employer makes any warranty,	avaraged or implied, concerning the
xaminations and corrective measures described in this Owner's Report. Furthermore	
nall be liable in any manner for any personal injury or property damage or a loss of a	ny kind arising from or connected with
is inspection.	
Tolin (moch Commissions NB)	7589 (NI) PA2162
Inspector's Signature Nationa	a Board, State, Province, and Endorsements
Date lune 13, 20 00	
Date	

File No. 983

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

1. Owner _			D	ate <u>10</u>	/06/97		
One Oxford Centre, Pittsburgh, PA 15279				SI	neet	of	3
2. Plant Beaver Valley Power Station						VPS Unit 1	
Shippingport, PA 15077				<u>Design Cl</u>	ange Pa	ckage 2264	
3. Work Per	rformed by <u>Du</u>	quesne Light C	ompany	Туре Со	de Symbol	Stamp <u>Not Applical</u>	ole
Shipp	ingport, PA 150	<u>U77</u>				No. Not Applicab	
4. Identifica	tion of System	Chemical & V	olume Contro	EX I System High	Puration Da Head Sa	Not Applicab	<del>le</del>
				gen Recombine			
(b) Applic	cable Constructicable Edition of	Section XI Utili	zed for Repai	rs or Replaceme	ents <u>198</u>	3 Ed. Summer 8	Case 33 Add.
		(Now I in a l	Mumahana 37al	e C			
		(New Line)	Numbers, var	ves, & Compon	ents)		
							••
						Descript	ASME
Name of	Name of	Manufacturer	National	Other	Year	Repaired, Replaced, or	Code Stamped
Component	Manufacturer	Serial No.	Board No.	Identification	Built	Replacement	(Yes or
			•				No)
See attached Sheets for detailed nformation							
l			,				
. Desci	ription of work	Replacement of	pipe supports	<b>l</b>			
. Test Cond	ucted: Hydr Othe	ostatic □ Pneu r □ Press	matic 🗆 .		perating st Temp	Pressure □ N/A °F	
IOTE:	in. x 11 in., (2)	heets in form of li information in ite mbered and the n	ms 1 through 6	on this report is	included	on each sheet, ar	8 1/2 ad (3)

### File No. 983

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

1. Owner Duquesne Light Company One Oxford Centre, Pittsburgh, PA 15279  2. Plant Beaver Valley Power Station Shippingport, PA 15077	Date 10/06/97 Sheet 2 of 5 Unit BVPS Unit 1 Design Change Package 2264
Work Performed by <u>Duquesne Light Company</u> Shippingport, PA 15077      Identification of System <u>Chemical &amp; Volume Control</u>	Type Code Symbol Stamp Not Applicable  Authorization No. Not Applicable  Expiration Date Not Applicable  rol System High Head Safety
Injection System, Hydr  5. (a) Applicable Construction Code ANSI B31.1.0 196 (b) Applicable Edition of Section XI Utilized for Repaired or Replaced a	airs or Replacements 1983 Ed. Summer 83 Add.

# (New Line Numbers, Valves, & Components)

Name of	Name of	Manufacturer	National	Other	Year	Repaired,	ASME
Component	Manufacturer	Serial No.	Board	Identifica-	Built	Replaced, or	Code
	•		No.	tion		Replacement	Stamped
							(Yes or
							No)
PIPE SUPPORT	N/A	N/A	N/A	PS-14 on line 2"-CH-2-602- Q1	N/A	REPLACED	NO .
PIPE SUPPORT	N/A	N/A	N/A	PS-14 on line 2"-CH-2-602- Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CH-2-602- Q1	N/A	REPLACED	ЙО
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CH-2-602- Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-2-602- Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-2-602- Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-17- 602-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-17- 602-Q1	N/A	REPLACEMENT	NO

Date JULY 7 1998	Signed C Manus by DLC
Date July 27 1998	
Robert Cimoch	Commissions NB 7509 (WI) PA 2162
(Inspector)	(Nat'l Board, State, Prov. and No.)

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

1. Owner <u>Duquesne Light Company</u> One Oxford Centre, Pittsburgh, PA 15279  2. Plant <u>Beaver Valley Power Station</u> Shippingport, PA 15077	Date 10/06/97 Sheet 3 of 5 Unit BVPS Unit 1 Design Change Package 2264
3. Work Performed by <u>Duquesne Light Company</u> Shippingport, PA 15077  4. Identification of System <u>Chemical &amp; Volume Control Injection System, Hydrog</u>	
5. (a) Applicable Construction Code ANSI B31.1.0 1967 (b) Applicable Edition of Section XI Utilized for Repair 6. Identification of Components Repaired or Replaced and	s or Replacements 1983 Ed. Summer 83 Add.

Name of	Name of	Manufacturer	National	Other	Year	Repaired,	ASME
Component	Manufacturer	Serial No.	Board	Identifica-	Built	Replaced, or	Code
			No.	tion	ĺ	Replacement	Stamped
							(Yes or
				L			No)
PIPE SUPPORT	N/A	N/A	N/A	PS-11 on line 2"-CH-99- 1502-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-11 on line 2"-CH-99- 1502-Q2	N/A	REPLACEMENT	NO .
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-100- 1502-O2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-100- 1502-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-101- 1502-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-101- 1502-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-7 on line 2"-CH-101- 1502-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-7 on line 2"-CH-101- 1502-Q2	N/A	REPLACEMENT	NO

Date July 7 1988	_Signed (Nanu	by DLC
Date 27 1498		V
Robert Cinach	Commissions NB75	09(NI) PA2162
(Inspector)		Nat'l Board, State, Prov. and No.)

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

1. Owner Duquesne Light Company One Oxford Centre, Pittsburgh, PA 15279  2. Plant Beaver Valley Power Station Shippingport, PA 15077	Date 10/06/97 Sheet 4 of 5 Unit BVPS Unit 1 Design Change Package 2264
3. Work Performed by <u>Duquesne Light Company</u> Shippingport, PA 15077  4. Identification of System <u>Chemical &amp; Volume Control Injection System</u> , Hydrog	
5. (a) Applicable Construction Code <u>ANSI B31.1.0 1967</u> (b) Applicable Edition of Section XI Utilized for Repair	
6. Identification of Components Repaired or Replaced and	d Replacement Components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identifica- tion	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-140- 1503-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-140- 1503-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-141- 1503-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-141- 1503-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-SI-22- 1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-SI-22- 1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-SI-83- 1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-SI-83- 1502-Q1.	N/A	REPLACEMENT	NO

Date JULY 7 1998	Signed CAPMEN MANCHO by DLC
Date July 27, 1998	
Robert Comoch	Commissions NB 1509 (NI) PA 2162
(Inspector)	(Nat'l Board, State, Prov. and No.)

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

1. Owner <u>Duquesne Light Company</u> One Oxford Centre, Pittsburgh, PA 15279  2. Plant <u>Beaver Valley Power Station</u> Shippingport, PA 15077	Date 10/06/97 Sheet 5 of 5 Unit BVPS Unit 1 Design Change Package 2264
3. Work Performed by <u>Duquesne Light Company</u> Shippingport, PA 15077  4. Identification of System <u>Chemical &amp; Volume Control Injection System</u> , Hydro	
5. (a) Applicable Construction Code <u>ANSI B31.1.0 1967</u> (b) Applicable Edition of Section XI Utilized for Repai	Edition, <u>Sum-71</u> Addenda, <u>none</u> Code Case irs or Replacements <u>1983 Ed. Summer 83 Add.</u>
6. Identification of Components Repaired or Replaced an	d Replacement Components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identifica- tion	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-170- 153W-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-6 on line 2"-CH-170- 153W-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-SBTV-15- 151-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-SBTV-15- 151-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-SBTV-21- 151-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-SBTV-21- 151-O2	N/A	REPLACEMENT	NO

Date JULY 7 1998	Signed Campbane by DCC
Date Acres 27 1448	,
Robert Cemoch	Commissions_NB7509(N,I) PA 2162
(Inspector)	(Nat'l Board, State, Prov. and No.)

9. Remarks The support components were installed by DCP-2264	at Unit #1 prior to the 12th	
Refueling Cycle.		
CERTIFICATE OF COMPLIANCE		
SERTIFICATE OF COMPERANCE		
We certify that the statements made in the report are correct and this to the rules of the ASME Code Section XI.	replacement Repair Or Replacement	conforms
Type Code Symbol Stamp per NPDAP 8.5 *ASME Section XI Repair/	Replacement Program*	
Certificate of Authorization No. N/A Expiration Date	N/A	
Signed Manuse Date	JULY 7 19	98
CERTIFICATE OF INSERVICE INSPECTA	ON :	
•		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and and the State or Province of <u>Pennsylvania</u> and employed by <u>Arkwright Mu</u>	•	•
Norwood, Massachusetts have inspected the comp		
Owner's Report during the period 8/8/97 to 7/27/9	and state that to the	
best of my knowledge and belief, the Owner has performed examinations and taken corrections. Owner's Report in accordance with the requirements of the ASME Code, Section XI.	octive measures described in this	
Dy signing this postificate pathor the increates are his ampleus makes any unmarks		
By signing this certificate neither the inspector nor his employer makes any warranty, experimental examinations and corrective measures described in this Owner's Report. Furthermore, in		r
shall be liable in any manner for any personal injury or property damage or a loss of any keep this inspection.	dnd arising from or connected with	
31 +0 8	7509 (NI) PA2	175
Robert Commissions NB   Commissions NB   Nation	el Board, State, Province, and Endorsements	.762
Date July 27, 19 98	•	

(1/96)

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

1. Owner Duquesne Light Company 2. One Oxford Centre, Pittsburgh, PA 15279 2. Plant Beaver Valley Power Station Shippingport, PA 15077				Sh Ur	eet iitB	/04/98 1 of 9 VPS Unit 1 ckage 2298	<u>·</u>
Shippingport, PA 15077  3. Work Performed by Duquesne Light Company Shippingport, PA 15077  4. Identification of System Chemical & Volume Cont Injection System, Low Cooling, High Pressure Grade Water,  5. (a) Applicable Construction Code ANSI B31.1.0 196 (b) Applicable Edition of Section XI Utilized for Rep  6. Identification of Components Repaired or Replaced a  (New Line Numbers, V				Auto Explain Auto Explain Auto Explain Auto Explain Auto Edition, Addenors or Replacement of Rep	horization biration Da Head Sa ction Sys cimary I  da, S71 ents 1983	Stem, Compone Drains, Primary Code Case <u>N-4</u> 3 Ed. Summer 8	e le
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)
See attached Shects for detailed information							
7. Desc	ription of work lucted: Hyd Othe	rostatic 🗆 Pneu		Nominal C	-	g Pressure 🗵 b. <u>N/A</u> ºF	
NOTE:	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2						8 1/2

in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3)

each sheet is numbered and the number of sheets is recorded at the top of this form.

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

1. Owner <u>Duquesne Light Company</u>	Date <u>02/04/98</u>				
One Oxford Centre, Pittsburgh, PA 15279	Sheet 2 of 9				
2. Plant Beaver Valley Power Station	Unit BVPS Unit 1				
Shippingport, PA 15077	Design Change Package 2298				
3. Work Performed by <u>Duquesne Light Company</u>	Type Code Symbol Stamp Not Applicable				
Shippingport, PA 15077	Authorization No. Not Applicable				
	Expiration Date Not Applicable				
4. Identification of System <u>Chemical &amp; Volume Cont</u>	rol System, High Head Safety,				
Injection System, Low	Head Safety Injection System, Component				
Cooling, High Pressure	Steam Drains, Primary Drains, Primary				
Grade Water,					

- (a) Applicable Construction Code <u>ANSI B31.1.0 1967</u> Edition, Addenda, <u>S71</u> Code Case <u>N-416-1</u>
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1983 Ed. Summer 83 Add.</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components.

Name of	Name of	Manufacturer	National	Other	Year	Repaired,	ASME
Component	Manufacturer	Serial No.	Board	Identifica-	Built	Replaced, or	Code
			No.	tion	ŀ	Replacement	Stamped
							(Yes or
							No)
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-2-602- Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CH-2-602- Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-59- 153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-59- 153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CH-57- 153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CH-57- 153W-Q3	N/A	REPLACEMENT*	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-59- 153W-Q3	N/A	REPLACED	NO

<u></u>	
* Code Case N-416-1 invoked.  Date August /3 ./998	Signed Carren Maneurs by DLC
	Signed Ann Manager by DEC
Date Clug 24, 1998	
Robert Cimoch	Commissions NB7509 (NI) PA 2162
(Inspector)	(Nat'l Board, State, Prov. and No.)

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

1. Owner <u>Duquesne Light Company</u>	Date02/04/98
One Oxford Centre, Pittsburgh, PA 15279	Sheet 3 of 9
2. Plant Beaver Valley Power Station	Unit BVPS Unit 1
Shippingport, PA 15077	Design Change Package 2298
3. Work Performed by <u>Duquesne Light Company</u>	Type Code Symbol Stamp Not Applicable
Shippingport, PA 15077	Authorization No. Not Applicable
	Expiration Date Not Applicable
4. Identification of System <u>Chemical &amp; Volume Con</u>	trol System, High Head Safety,
Injection System, Low	Head Safety Injection System, Component
Cooling, High Pressur	e Steam Drains, Primary Drains, Primary
Grade Water,	

- 5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.
- 6. Identification of Components Repaired or Replaced and Replacement Components.

PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-59- 153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-57- 153W-Q3	N/A	REPLACED	ŅO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-57- 153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-62- 153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-62- 153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-59- 153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-59- 153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-59- 153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-CH-59- 153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-21 on line 2"-CH-1- 1502-Q1	N/A	REPLACED	NO

Date 8//3/98	Signed Carron Wancon by DLC
Date AUG 24, 1998	
Robert Cimoch	Commissions NB7509 (N,I) PA2162
(Inspector)	(Nat'l Board, State, Prov. and No.

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

1. Owner Duquesne Light Company	Date <u>02/04/98</u>
One Oxford Centre, Pittsburgh, PA 15279  2. Plant Beaver Valley Power Station	Sheet <u>4</u> of <u>9</u> Unit <u>BVPS Unit 1</u>
Shippingport, PA 15077	Design Change Package 2298
3. Work Performed by <u>Duquesne Light Company</u> Shippingport, PA 15077	Type Code Symbol Stamp <u>Not Applicable</u> Authorization No. <u>Not Applicable</u> Expiration Date <u>Not Applicable</u>
	trol System, High Head Safety, V Head Safety Injection System, Component Se Steam Drains, Primary Drains, Primary

- 5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1
  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.
- 6. Identification of Components Repaired or Replaced and Replacement Components.

PIPE SUPPORT	N/A	N/A	N/A	PS-21 on line 2"-CH-1- 1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-22 on line 2"-CH-1- 1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-22 on line 2"-CH-1- 1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-24 on line 2"-CH-1- 1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-62- 153W-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-CH-62- 153W-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-1- 1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-1- 1502-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-17 on line 2"-CH-1- 1502-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-17 on line 2"-CH-1- 1502-Q1	N/A	REPLACEMENT	NO

Date August 13, 1998	Signed Carmer Wancowo by	DLC
Date Clug 24, 1498		_
Robert Cimount	Commissions NB7509 (NI)	PA2162
(Inspector)	(Nat'l Board, State	

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

1. Owner <u>Duquesne Light Company</u>	Date 02/04/98
One Oxford Centre, Pittsburgh, PA 15279	Sheet 5 of 9
2. Plant Beaver Valley Power Station	Unit BVPS Unit 1
Shippingport, PA 15077	Design Change Package 2298
3. Work Performed by <u>Duquesne Light Company</u> Shippingport, PA 15077	Type Code Symbol Stamp Not Applicable Authorization No. Not Applicable
	Expiration Date Not Applicable
4. Identification of System <u>Chemical &amp; Volume Cont</u>	rol System ,High Head Safety,
Injection System, Low	Head Safety Injection System, Component
Cooling, High Pressure	Steam Drains, Primary Drains, Primary
Grade Water,	

- 5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.
- 6. Identification of Components Repaired or Replaced and Replacement Components.

PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CC-243- 1501-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CC-243- 1501-Q3	N/A	REPLACEMENT	NO .
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CC-239- 1501-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 2"-CC-239- 1501-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CC-181- 1501-Q3	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 2"-CC-181- 1501-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-140- 1503-Q1	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-CH-140- 1503-Q1	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-SI-50-602- Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-SI-50-602- Q2	N/A	REPLACEMENT	NO

Date HUGGT 13,1998	Signed Carner Manuar by DLC
Date AUG 24, 1998	
Robert Cimoes	Commissions NB 7509 (NI) PA 2162
(Inspector)	(Nat'l Board, State, Prov. and No.)

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

1. Owner Duquesne Light Company	Date <u>02/04/98</u>
One Oxford Centre, Pittsburgh, PA 15279	Sheet <u>6</u> of 9
2. Plant Beaver Valley Power Station	Unit BVPS Unit 1
Shippingport, PA 15077	Design Change Package 2298
3. Work Performed by <u>Duquesne Light Company</u> Shippingport, PA 15077	Type Code Symbol Stamp Not Applicable  Authorization No. Not Applicable  Expiration Date Not Applicable
4. Identification of System <u>Chemical &amp; Volume Con</u>	trol System ,High Head Safety,
Injection System, Low	Head Safety Injection System, Component
Cooling, High Pressur	e Steam Drains, Primary Drains, Primary
Grade Water,	

- 5. (a) Applicable Construction Code <u>ANSI B31.1.0 1967</u> Edition, <u>Addenda, S71</u> Code Case <u>N-416-1</u>
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1983 Ed. Summer 83 Add.</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components.

PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-49-602- Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-49-602- Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-250- 602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-250- 602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 3/4"-SI-125- 1502-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 3/4"-NSL-5- 152-Q3	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-4 on line 2"-SI-123- 602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	. N/A	N/A	N/A	PS-4 on line 2"-SI-123- 602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 1"-DG-70-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 1"-DG-70-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 3/4"-CH-112- 1502-Q2	N/A	REPLACED	NO

Date HUGUST 13, 1998	Signed aum Wanus by DC
Date AUG 24 19 9 8	_
Robert Cimoch	Commissions NB 7509 (NI) PA2162
(Inspector)	(Nat'l Board, State, Prov. and No.)

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

1. Owner Duquesne Light Company	Date <u>02/04/98</u>
One Oxford Centre, Pittsburgh, PA 15279	Sheet7 of9
2. Plant Beaver Valley Power Station	Unit BVPS Unit 1
Shippingport, PA 15077	Design Change Package 2298
3. Work Performed by <u>Duquesne Light Company</u>	Type Code Symbol Stamp Not Applicable
Shippingport, PA 15077	Authorization No. Not Applicable
	Expiration Date Not Applicable
4. Identification of System Chemical & Volume Cont	rol System, High Head Safety,
Injection System, Low	Head Safety Injection System, Component
Cooling, High Pressure	e Steam Drains, Primary Drains, Primary
Grade Water,	

- 5. (a) Applicable Construction Code ANSI B31.1.0 1967 Edition, Addenda, S71 Code Case N-416-1 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Ed. Summer 83 Add.
- 6. Identification of Components Repaired or Replaced and Replacement Components.

PIPE SUPPORT	Ņ/Ā	N/A	N/A	PS-1 on line <sup>3</sup> / <sub>4</sub> "-CH-112- 1502-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-132- 602-Q2	N/A	REPLACED	NO .
PIPE SUPPORT	N/A	N/A	N/A	VS-1 on line 2"-SI-132- 602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-1 on line 1"-DG-68-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-2 on line 1"-DG-68-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-2 on line 2"-SI-113- 602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-2 on line 2"-SI-113- 602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-3 on line 2"-SI-113- 602-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	H-14A-3 on line 3"-DG- 65-152	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	H-14A-3 on line 3"-DG- 65-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	H-1A-1 on line 3"-DG- 65-152	N/A	REPLACED	NO

Date AUGUST 13 1998	Signed Come Manus by DLC
Date (141 24 1998	
Robert Cimoch	Commissions NB 7509 (N, I) PA 2 162
(Inspector)	(Nat'l Board, State, Prov. and No.)

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

1. Owner	Date <u>02/04/98</u>
One Oxford Centre, Pittsburgh, PA 15279	Sheet <u>8</u> of <u>9</u>
2. Plant Beaver Valley Power Station	Unit BVPS Unit 1
Shippingport, PA 15077	Design Change Package 2298
3. Work Performed by <u>Duquesne Light Company</u> Shippingport, PA 15077	Type Code Symbol Stamp <u>Not Applicable</u> Authorization No. <u>Not Applicable</u>
	Expiration Date Not Applicable
4. Identification of System <u>Chemical &amp; Volume Cont</u>	rol System High Head Safety,
	Head Safety Injection System, Component
	e Steam Drains, Primary Drains, Primary
Grade Water,	

- (a) Applicable Construction Code <u>ANSI B31.1.0 1967</u> Edition, <u>Addenda, S71 Code Case N-416-1</u>
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1983 Ed. Summer 83 Add.</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components.

PIPE SUPPORT	N/A	N/A	N/A	H-1A-1 on line 3"-DG- 65-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	H-31A-1 on line 3"-DG- 65-152	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	H-31A-1 on line 3"-DG- 65-152	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-SHPD-16- 601	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	PS-5 on line 2"-SHPD-16- 601	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-9A on line 2"-SI-36- 153W-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	VS-9A on line 2"-SI-36- 153W-Q2	N/A	REPLACEMENT	NO
PIPE SUPPORT	N/A	N/A	N/A	PSA-1 on line 1"-DA-206- 152	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	SI-R-19 on line 12"-SI- 110-602-Q2	N/A	REPLACED	NO
PIPE SUPPORT	N/A	N/A	N/A	SI-R-19 on line 12"-SI- 110-602-Q2	N/A	REPLACEMENT	NO

Date_	AUGUST	13.	1998	Signed Car	- Mar	wor	by D	12	
Date_	aus	24	1498				. \		
0	Zollier	10	moch	Commissions_	NB	75091	N,I)	PA2162	)
	Inspector)					(Nat'l Boar	d, State, P	rov. and No.)	

9. Remarks The support components were installed by DCP 2298 during the 12th Refueling Outage.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this ASME Code Section XI.  Replacement conforms to the rules of the Repair Or Replacement
Type Code Symbol Stamp per NPDAP 8.5 *ASME Section XI Repair/Replacement Program*
Certificate of Authorization No. N/A Expiration Date N/A
Signed Carme Manuso SENIOR ENGINEER Date AUGUST 13, 1998 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 Arkwright Mutual Insurance Co. of
Norwood, Massachusetts have inspected the components described in the Owner's Report during the period Qua 2/1997 dua 24/1998, 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.
Orobert Comoch Commissions NB 7589(N, I) PH 2162  Inspector's Signature Commissions NB 7589(N, I) PH 2162
Date <u>Aug 24</u> , 19 98

(1/96)

Carra Na	1044	
Form No.	1041	

	Company	Da	te	06-2	9-98	
nth Avenue - Pittst (ADDRESS)	ourgh, PA 15279	She	eet <u>1</u>	0	f	1
Beaver Valley P	ower Station	Un	it No.		1	
Shippingport, PA	A 15077					ETC.
formed By <u>DLCo</u>	- Maint. Progra	ams Tyr	pe Code Symbol	Stamp	Not A	oplicable
Shippingport, P. (ADDRESS)	A 15077					
ion of System _	Component Compon	ooling (Q3)		<del></del>		
ole Edition of Section X	Utilized for Repair	s or Replacements	1989E			Case
Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stampe (YES o
t Goodall	N/A	N/A	REJ-CC-16A	N/A	Replaced	N/A
Garlock	7-0429	N/A	29	1997	Replace- ment	17
					<u>-</u>	
	-					
on of Work Replac	ed rubber expa	nsion joint and f	lange studs/nuts			
	Beaver Valley P (NAME)  Shippingport, P/ (ADDRESS)  formed ByDLCo Shippingport, P/ (ADDRESS)  ion of System ble Construction Code ble Edition of Section X ion of Components  Name of Manufacturer  It Goodall  Garlock	Beaver Valley Power Station  (NAME)  Shippingport, PA 15077 (ADDRESS)  formed By DLCo - Maint. Progra (NAME)  Shippingport, PA 15077 (ADDRESS)  ion of System Component Colle Construction Code B31.1  ple Edition of Section XI Utilized for Repairs ion of Components Repaired or Re  Name of Manufacturer Serial No  It Goodall N/A  Garlock 7-0429	Beaver Valley Power Station (NAME)  Shippingport, PA 15077 (ADDRESS)  formed By DLCo - Maint. Programs (NAME)  Shippingport, PA 15077 (ADDRESS)  Explication of System  Component Cooling (Q3)  Die Construction Code  B31.1  19 67 Edit of Components Repairs or Replacements are interested and Repairs of Components Repaired or Replaced and Repaired R	Beaver Valley Power Station (NAME)  Shippingport, PA 15077 (ADDRESS)  Formed By DLCo - Maint, Programs (NAME)  Shippingport, PA 15077  (ADDRESS)  Shippingport, PA 15077  (ADDRESS)  Expiration Date  ion of System  Component Cooling (Q3)  Die Construction Code  B31.1  19 67 Edition, S'71 Act Die Edition of Section XI Utilized for Repairs or Replacements  ion of Components Repaired or Replaced and Replacements Communications  Name of Manufacturer  M	Beaver Valley Power Station (NAME)  Shippingport, PA 15077  (ADDRESS)  FEPAIR ORGANIZATION P.O.  Type Code Symbol Stamp (NAME)  Shippingport, PA 15077  (ADDRESS)  Shippingport, PA 15077  (ADDRESS)  Expiration Date  Join of System  Component Cooling (Q3)  Die Construction Code  B31.1  19 67 Edition, S'71 Addenda, one Edition of Section XI Utilized for Repairs or Replacements  Die Edition of Components Repaired or Replaced and Replacements Components  Name of Manufacturer Serial No  Name of Name of Manufacturer Serial No  Name of	Beaver Valley Power Station

9. Remarks No Code Data Report available. Rubber expansion joint replaced per TER-9264.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code Section XI.  Repair Or Replacement
Type Code Symbol Stamp per NPDAP 8.5 *ASME Section XI Repair/Replacement Program*
Certificate of Authorization No. N/A Expiration Date N/A
Signed Lyne / Deta Serior Exp. Date June 29 19 98
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 Arkwright Mutual Insurance Co. of
Waitham, Massachusetts  Owner's Report during the period  2/19/98 to 6/36/98 and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Convert  Commissions NB 7509 (N, I) PA 2162  National Board, State, Province, and Endorsements
Date June 30. 19 98

Form No.	1047	
FORM NO.	1047	

1	Owner	Duquesne Light	Company	Da	te	06-2	29-98	
	411 Sevent	h Avenue - Pittsh (ADDRESS)	ourgh, PA 15279	Sh	eet <u>1</u>	0	f	<u> </u>
2.	Plant	Beaver Valley P	ower Station	Un	it No.		1	
		Shippingport, P. (ADDRESS)	A 15077		MV REPAIR ORGANIZ	VR #07 ation p.o.		ETC.
3.	Work Performed By DLCo - Maint. Programs			ms Ty	pe Code Symbol	Stamp	Not A	oplicable
		Shippingport, PA	A 15077	Au	thorization No		N/A	
		(ADDRESS)			piration Date _			
4.	Identification	n of System	Reactor Coolar	nt (Q1)			· · · · · · · · · · · · · · · · · · ·	
5.		Construction Code Edition of Section X			tion, <u>S'71</u> Ad	ldenda, _	Code Ca	15 <del>0</del>
	(b) Applicable	Edition of Section A	Ounzed for Repairs	or Replacements	13035			
3.	Identification	n of Components	Repaired or Re	placed and Re	placements Com	ponent	5	
	Name of Component	· Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME -Code Stamped (YES or NO)
	Snubber	Grinnell	9153	N/A	PS-243-VS-1	N/A	Replaced	No
	>>	29	9170	25	,,	"	Replace- ment	79
	***************************************							
 *.	Description	of Work Replac	ed snubber.	· · · · · · · · · · · · · · · · · · ·		I		
3.	Tests Cond	ucted: Hydros Other	tatic	eumatic []	Nominal Operation Test Temp.		_	*N/A

9. Remarks Replaced snubber due to leaking seal. No Code Data Report available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Swier Eye Date June 29 19 98
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 Arkwright Mutual Insurance Co. of
Waltham, Massachusetts have inspected the components described in the Owner's Report during the period 3/24/98 to 6/30/98 and state that to the
Owner's Report during the period 3/24/98 to 6/30/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimort Commissions NB7509 (N,I) PA2162  Inspector's Signature Commissions NB7509 (N,I) PA2162
Date Jane 30 . 19 98

1. Owner _	Duquesne Ligh	t Company		D	ate 05	/29/98	
One O	xford Centre, Pi	ttsburgh, PA 1	5279		eet		
2. Plant	Beaver Valley P			Uı	nit B	VPS Unit 1	
***	Shippingport,	PA 15077		<u>D</u> e		ange Package 2	313
	rformed by <u>Du</u> ingport, PA 150		ompany	Au	thorization	Stamp Not Applicab	
4. Identifica	tion of System	Safety Injection	n System (Ni	trogen)	piration De	te <u>Not Applicab</u>	le
	cable Constructi cable Edition of						
6. Identifica	tion of Compon	ents Repaired o	r Replaced an	d Replacement	Compor	nents.	
		(New Line ]	Numbers, Val	ves, & Compon	ents)		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASMI Code Stampe (Yes o No)
GN-TK-1A	Pennsylvania Tank and Tube . Inc.	0424-1	302	N/A	1998	Replacement	Yes
GN-TK-1B	Pennsylvania Tank and Tube Inc.	0424-2	303	N/A	1998	Replacement	Yes
GN-TK-1C	Pennsylvania Tank and Tube Inc.	0424-3	304	N/A	1998	Replacement	Yes
			·			·	
7. Desc	ription of work	Installation of	Nitrogen Acc	umulator Tank	i.		
8. Test Cond	lucted: Hydi Othe	rostatic 🗆 Pneu r 🗆 Press	matic 🗷 sure <u>770</u>		-	g Pressure 🗆	_o <sub>F</sub>
NOTE:	in. x 11 in., (2)		ems I through	6 on this report is	included	rovided (1) size is I on each sheet, a nis form.	

GN-TK-1A and GN-TK-1B ar	re complete replacements for existing tanks. hich never previously existed.
CERTIFIC	ATE OF COMPLIANCE
We certify that the statements made in the re	
the ASME Code Section XI.	Replacement conforms to the rules of Repair Or Replacement
Type Code Symbol Stampper NPDAP 8.5	"ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. NA	Expiration DateNA
Signed Carms / Mancum SENIOR Owner or Owner's Designee, Title	ENGR. Date 5/29, 19 98
•	OF INSERVICE INSPECTION by the National Board of Boiler and Pressure Vessel Inspectors
	and employed by Arkwright Mutual Insurance Co. of
Norwood, Massachusetts	have inspected the components described in the
Owner's Report during the period  3//2 best of my knowledge and belief, the Owner has performents  Owner's Report in accordance with the requirements	ormed examinations and taken corrective measures described in this of the ASME Code, Section XI.
	s employer makes any warranty, expressed or implied, concerning the is Owner's Report. Furthermore, neither the inspector nor his
shall be liable in any manner for any personal injury or with	r property damage or a loss of any kind arising from or connected
this inspection.	·
Robert Cemoch	Commissions NB 7509 (N, I) PA 2162  National Board, State, Province, and Endorsements
Date JUNE 12 10 98	

Form	No:	1070
	110.	1010

-						-		
1.	Owner	Duquesne Light	Company	Da	te	07-	24-98	
	411 Sever	nth Avenue - Pitts	burgh, PA 1527	9 Sh	eet	<u> </u> 0	f	3
2.	Plant	Beaver Valley F	ower Station	Un	it No.	·	1	
		Shippingport, P	A 15077		•			
		(ADDRESS)	4 15077		- REPAIR ORGAN	WR #07 IZATION P.O		ETC.
3.	Work Performed By <u>DLCo - Maint, Programs</u>		ams Tyr	pe Code Symbo	ol Stamp	Not A	loplicable	
		Shippingport, PA	A 15077	Aut	horization No.		N/A	
		(ADDRESS)			oiration Date		19	
						·		
4.	Identificati	on of System _	Fire Protection	1 (Q2)				
5.	(a) Applicable	Construction Code	B31.1	19 67 Edit	ion. S'71 A	ddenda	N/A Code	Case
		Edition of Section XI L	•				<u></u>	<b></b>
		•*	•	•				•
Ο.	identificațio	on of Components	s Repaired or Ri	epiaced and Re	placements Co	mponen	ts	
			· · · · · · · · · · · · · · · · · · ·				Repaired	ASME
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Code Stamped (YES or NO
С	heck Valve	Atwood-Morrill	15-13540	N/A	FP-800	1980	Repaired	Yes
	Disc	17	2	N/A	HT#C7471 TR CL66	1988	Replace- ment	Yes
	and the second of the second o							
				•				
			···			- <b>.</b>	•	
7.	Description	of Work Repla	ced valve disc					
•		- 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	oca varvo disc.			-	<del></del>	
i.	Tests Cond	ucted: Hydrost:	atic 🗌 Pne	eumatic 🔀	Nominal Opera	atina Pre	ssure 🗍	
		_	Pressure	- <del></del>		_	∘F	

Q. Remarks. Valve discourse and to a discourse and a second secon
9. Remarks Valve disc was replaced as part of a modification to correct valve soft seat problems. The
valve was purchased as ASME Section III Class 2, but installed into a Unit 1 ANSI B31.1 system.
Form N-2 for new disc weldment attached, along with original NPV-1 Form for valve
siss weighten attached, along with original NPV-1 Form for valve
CERTIFICATE OF COMPLIANCE
Manager to the state of the sta
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 Stampper_NPDAP 8.5 *ASME Section XI_Repair/Replacement_Program*
Certificate of Authorization No. N/A Expiration Date N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed July 24 19 98
Owner or Owner's Designee. Title Date July 24 , 19 98
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 Arkwright Mutual Insurance Co. of
Waltham. Massachusetts have inspected the components described in the Owner's Report during the period 7/14/98 to 7/29/98 and state that to the
Owner's Report during the period 7/14/98 to 7/29/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimorh Commissions NB7509(N,I) PA2162
Inspector's Signature Commissions NB 1309 (N, L ) FF1 218 C
O I
Det 141 9 9 9 98

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

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

			——————————————————————————————————————	Pg. 1 of <u>2</u>
1.	Manufactured and certified by Atwood & Morrill Co	., Inc. 285 (	Canal Street, Salem.	13 01970
		Iname and address of	NPT Certificate Holders	21 01770
2.	Manufactured for Duquesne Light Co. P.O.	Box 345 S	Shippingport, PA 1507	77
		(name and address of P	urchaser)	
3.	Location of installation Beaver Valley Pwr. Stati	on RT 168	Shippingport, PA	15077
	<b>_</b>	be bne emen)		
4.	Type: *43312-003-C Rev. 1 SA479 Gr. 316 (drawing no.) (mat/l. spec. no.)	82,900 PSI	N/A	1998
	mot it spect noti	(tensile strength)	(CAN)	(year built)
5.	ASME Code, Section III, Division 1: 1974	51974	2	N/A
	regulgin	(addenda date)	(class)	(Code Case no.)
6.	Fabricated in accordance with Const. Spec. (Div. 2 only)	N/A Revi	sion N/A Date	N/A
7.	Remarks: Cust. Item 05, A&M Item 05, Qtv.	l, Disc Weldm	nent A&M P/N 43312-003	3-4013-000
	(A&M S.O. 25974) *Dwg. prepared by A&M.			
	mation of ASME Section III 1974 Edition			
8.	Nom. thickness (in.) Min. design thickness (in.)	736" Dia. ID (ft &	cin.) N/A Length overall (f	t & in.) <u>N/A</u>
9.	When applicable, Certificate Holders' Data Reports are attached	for each item of this	report:	

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
C7471 TR. CL46	N/A	laa.	
SN: 2		(26)	
		(27)	
		(28)	
		(30)	<del></del>
		(31)	
		(32)	
		(33)	
		(34)	
<u> </u>		(35)	
		(36)	
		(37)	
		(38)	
		(39)	
		(40)	
		(41)	
		(42)	
		(43)	
		(44)	
		(45)	
		(46)	
		(47)	
		(48)	
		(49)	
	•	(50)	

<sup>\*</sup> Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ × 11. (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form. (12 88)

10.

(when applicable)

### FORM N-2 (Back - Pg. 2 of \_2)

	Certificate Hole	HT# C7471 TR. CL46 der's Serial Nosthrough SN: 2				
	CERTIFICATION OF DE	SIGN				
Design specifications certified by St.	ephen A. Shuman	P.E. State PA Reg. no. 3020=E				
Design report* certified by	N/A (when applicable)	P.E. State <u>N/A</u> Reg. no. <u>N/A</u>				
	CERTIFICATE OF COMPL	IANCE				
We certify that the statements made in the conforms to the rules of construction of the conforms to the conformation to the	nis report are correct and that this (these) he ASME Code, Section III, Division 1.	Disc Weldment				
NPT Cartificate of Authorization No.	N-2607	Expires6-13-01				
Date 7/2/98 Name Atwood	od & Morrill Co., Inc.	Signed Sur Market Clare  (authorized regresentative)				
	CERTIFICATE OF INSPEC	CTION				
the undersigned, holding a valid commi	ssion issued by the National Board of Boil	ler and Pressure Vessel Inspectors and the State or Province of				
of Hartford, CT have inspe	cted these items described in this Data Re	eport on $\frac{7/2-98}{}$ , and state that to the				
III, Division 1. Each part listed has been a	tificate Holder has fabricated these parts uthorized for stamping on the date shown	or appurtenances in accordance with the ASME Code, Section				
By signing this certificate, neither the ins	pector nor his employer makes any warrar	inty, expressed or implied, concerning the equipment described				
in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or						
Date $\frac{7/2}{98}$ Signed						

Attached to Disc

Lugs - HT No. 33221 TR. CL 9

SERIAL	NU:	15-135
MARK	NO:	
TY	/PE:	
COMMEN	TS:	

	As and & Marrill	Co. Inc.	85 Canal St.	Salem.	MA 01970	
lectured by	Atwood & Morrill (Name and Address Stone & Webster	of N Certificate H	older)	MA (For	Duquesne	Light)
	Stone 6 Webster	Fud Luser Ind	OI V. INIA SAU			
ناوالعاوما أو مود	Beaver Valley [Name and Address [Name and Address ]	Power Statio	on, Shipping	port. PA		
or Valva	Valve		intet Size	o	<u>تـــ مناو بيد</u>	
, a van			984		•	
	(b) 16 Certificate Helder	Registration	(d) Drawing		(f) Nor'L	(g) Year
Series No. or Type	No.	No.	No.	(e) Cleas	B4 No.	Bulk
			13540-06-H	2	N/A	1980
3" Check	15-13540	N/A				
Valve						
* Rev	ised to update dr	awing rev. 1	evel	7 154		RECE
Orl	ginal NPV-1 form	signed by H.	Evans on 6/2	6/60		
						APR 3
						Store &
						Engineering
	k Valve					<u> Росивел</u>
	. (Brist desert	pion of species for w	tich opigment was d			
ige Conditions		280 (Temperatural at 1007).	"F or Volys F	Vessure Class	,N/A_	
d Working Proc		280			,N/A_	
Marking Proc		280		Yessure Class	H/A	
l Working Proc source Receiving Mark He		280 (famposteril et 1087.	T or Volum	Clean	Rem	(1)
l Working Free pause Ressining Mark He Castings		280 (forspooling) at 1007.	T or Volqs f	Clean		(1)
Working Pro- source Researing Mark He Continge Body RTF T1577	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	sturer	S/N 15-1	(1) 
Working Pro- source Researing Mark He Continge Body RTF T1577	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	sturer	S/N 15-1	(1)
Working Processor Retaining  Mark He  Castings  Body	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	there Class	S/N 15-1	ate (1)
Working Pro- source Researing Mark He Continge Body RTF T1577	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	there Class	S/N 15-1	ate (1)
Warking Pros source Researing Mark He Continge Body RTF T1577	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	there Class  Thorum Ductus  Based  P.O. Misc.	S/N 15-1	orte  3540  Co. Init 2
Marking Property of Mark He Continge Body RTF T1877 Hg. # F666	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	Duqui P.O. Misc. 21/2	S/N 15-1 see Light Valley U o. 28V-2 Check Va	CO.
Warking Pros source Researing Mark He Continge Body RTF T1577	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	Duqui P.O. Misc. 21/2	S/N 15-1 see Light Valley U o. 28V-2 Check Va	CO.
Marking Property of Mark He Continge Body RTF T1877 Hg. # F666	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	Duching P.O., Misc., 214" Marci	S/N 15-1  S/N 15-1  Valley U  O. 2BV-2  Check Vi  and Large (actured)  (actured)  Tanks Str	Co. jnik &
Marking Property of Mark He Continge Body RTF T1877 Hg. # F666	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	Duching P.O., Misc., 214" Marci	S/N 15-1  S/N 15-1  Valley U  O. 2BV-2  Check Vi  and Large (actured)  (actured)  Tanks Str	Co. jnik &
Working Processor Restricting  Mark He  Continge  Body  RT/ T1877  HR. // F668	2735 po po propositi para 3600 pol Plecos Mesori	280 (famposteril et 1087.	T or Volum	Duching P.O., Misc., 214" Marci	S/N 15-1 kne Light Valley U check Vi and Large factured	Co. jnik &
Working Processor Researching  Mark He  Continge  Body  RT/ T1877  Ht. // F668	2735 po	280 (formanism) at 1007. at 1007. at Spec. No.	Manufe   Nueker Al	Duction  Based P.O. Misc. 21/2 Marel Alwo Sare	S/N 15-1  TAILUSH Valley U. D. 2BV-2 Check Vi and Large factured Caras Sur	Co. Init & John Co. Init Co. In
Working Processor Restricting  Mark He  Continge  Body  RY 11877  Ht. # F668	2735 po	280 (famposteril et 1087.	T or Volum	Duction  Based P.O. Misc. 21/2 Marei Alwo Sare	S/N 15-1  S/N 15-1  Valley U  O. 2BV-2  Check Vi  and Large (actured)  (actured)  Tanks Str	Co. Init & John Co. Init Co. In
Marking Property of Mark He Continge Body NT / Y1877 Hg / F667	2735 po	280 (formanism) at 1007. at 1007. at Spec. No.	Manufe   Nueker Al	Duction  Based P.O. Misc. 21/2 Marei Alwo Sare	S/N 15-1  TAILUSH Valley U. D. 2BV-2 Check Vi and Large factured Caras Sur	Co. Init & John Co. Init Co. In
Marking Pro- leura Reselving Mark He Body RT/ T1877 HR. / F667	2735 po po promoto por 3600 pol Placos Massel 182	280 (formanism) at 1007. at 1007. at Spec. No.	Menute  Oueker Al	Ducting Passes P.O. 1 Misc. 216" Mary Atwo 285	S/N 15-1  Ane Light Valley L  On 28V-2  Check Vg  Ind Large Ind La	Co. init 2
Marking Property of Mark He Continge Body NT / Y1877 Hg / F667	2735 po	280 (formanism) at 1007. at 1007. at Spec. No.	Manufe   Nueker Al	Ducting Passes P.O. 1 Misc. 216" Mary Atwo 285	S/N 15-1  TAILUSH Valley U. D. 2BV-2 Check Vi and Large factured Caras Sur	Co. init 2

#### FORM NPV-1 (Back)

Mark No.	Material Spec. Ne.	Manufacturer	Remerks
Solting			
Brg Cover Stude	SA 193 GC 88	Jos Dyson & Sons	Code_ISR
Brg Cover Nuts	SA 194 Gr. A	Jos. Dyson & Sons	Code J61
(d) Other Parts	210 210	Sandmayer Steel (MS)	S/M 15A-13540
Stuff.Box Cover	SA 240 Gr. 316	Crucible Steel (MM)	S/N 158-13540
Mt.# 623173			
Disc	SA 479 Gr. 316	Industrial Service	S/N 15-13540
HE. 79183		Center (HS)	
		Jos. Stainless (HH)	S/N 15A-1354
Disc Lug (2)	SA 479 Gr. 316	Industrial Service	3/N 15A-1354
Ht. # 79183		Center (MS) Jos.Stainless (MM)	3/H 134-1334
		A02:2(4:11.49) /12:3	

CERTIFICATION OF DESIGN	•	
Design information on the stStone_6_Webster  Bress enalysis report (Class T-only) on the stN/A		EIVED
Arthur V. Elliot	AP	2 5 1984 a & Webster ring Corporation
PE Date 12 PA Rep No. 010-1	Sto	e & Webster
PE StateH/AReg. NoH/A	niy	ring Corporate
		-

CERTEFICATE OF SHOP INSPECTION
L the undersigned, holding a valid commission issued by the National Based of Balter and Pressure Vessel Inspection and the Base or Province of Hassachusetts and employed by H.S.B.I. S.I. Co. Hartford, CT. have inspected the pump, or valve, described in this Date Report on a Local State of the State of
the equipment described in this Date Report. Furnishmers, reserve the integrating from or connected with this inspection, meanes for any personal injury or property damage or a loss of any bind origing from or connected with this inspection.
Com 4-19 1 10 PY.  Commissions All 1318, 10: C3569  Description of the Commissions All 1318, 10: C3569

Form No.	1071	
FORM NO.	1071	

===								
1.	Owner	Duquesne Light	Company	Da	ate	07-2	24-98	
	411 Seven	th Avenue - Pittst	ourgh, PA 1527	<u>9</u> SI	neet1	o	f	3
2.	. Plant Beaver Valley Power Station				nit No.		1	
		Shippingport, PA	A 15077		M\	NR #07	2477	
		(ADDRESS)			REPAIR ORGANIZ	P.O.	NO., JOB NO.,	ETC.
3.	Work Perfo	rmed By <u>DLCo</u>	- Maint. Progra	ams Ty	pe Code Symbol	Stamp	Not A	policable
		Shippingport, PA	15077	Au	uthorization No		N/A	
		(ADDRESS)		E	cpiration Date _		,	
4.	Identification	on of System	Fire Protection	(Q2)				
		Construction Code _			IN C!74 A	data maka	N/A 0 - 4 - 4	
J.		Edition of Section XI L				odenda,	<u>N/A</u> Code (	Case
R		on of Components						
<u>v.</u>	Identinoatic	or components	repaired or K	epiaceu airu R	ерисеттенть сог	пропеп	(S )	
	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)
С	heck Valve	Atwood-Morrill	14-13540	N/A	FP-804	1980	Repaired	Yes
	Disc		N/A	N/A	Hu#49672 TR CL45	1998	Replace- ment	Yes
 7	Description	of Work Repla	nced valve disc				·	
••	2000 PHOII	OI TOIRINDIG	ICON FOITE UISO.	····				····
		-				······································		<del></del>
8.	Tests Cond	•	atic Pn		•			
		Other [	_ riessure	<u>50</u> ps	i Test Temp.	04		

9. Remarks Valve disc was replaced as part of a modification to correct valve soft seat problems. The
valve was purchased as ASME Section III Class 2, but installed into a Unit 1 ANSI B31.1 system.
Form N-2 for new disc weldment attached, along with original NPV-1 Form for valve.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Norman Sevier Eug. Date July 24 19 98
CERTIFICATE OF INSERVICE INSPECTION
I the undersigned helding a wild conscious 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 <u>Pennsylvania</u> and employed by <u>Arkwright Mutual Insurance Co.</u> of
Owner's Report during the period 7/14/98 to 7/29/98 and state that to the best of my knowledge and belief the Owner has performed exemplations and belief the Owner has performed exemplations and belief.
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.
Policet Com - 1) UBJERO(NT) PASKZ
Inspector's Signature Commissions No 13 7 C La Province, and Endorsements
Date July 29 19 98

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

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

Not to Exceed One Day's Production

Pq.	1	of	2
rg.		Οī	4

							. 3.	
1.	Manufactured and certified by <u>Atwood &amp; Mo</u>	rrill			Canal Street,	Salem,	MA (	01970
. 2	Manufactured for Duquesne Light Co.	P.O.	Box 345		Shippingpo	rt, PA	15077	7
			(name and a	dress of Pu	rchaser)			
2	Location of installation Beaver Valley Pwr	. Stat	ion RT	168	Shippingpo	rt, PA	15077	7
٥.	Location of installation		(na	me and add				
	- * 43312-003-C Rev 1 SA479 Cm 3	16	83 200 P	3.7	N/A		1998	
4.	Type: 43312-003-C Rev. 1 SA479 Gr. 3 (drawing no.) (mat'l. spec. no.)	<del></del>	(107,200 I		ICRNI			
			Itensile streng	ttu			lyear t	
5.	ASME Code, Section III, Division 1: 1974		S1974	4	2		N/A	A.
	(edition)		laddenda	date)	(class)		(Code	Case no.)
_	Fabricated in accordance with Const. Spec. (Div. 2 or	-1	N/A	0	N/A		N/A	<b>A</b>
Ο.	rabilicated in accordance with Const. Spec. (DIV. 2 of	11y)	(no.)	nevis	ion	Date .	·	
	Remarks: Cust. Item 05, A&M Item 05,	0+	1 Dice I	Jo 1 dmo	me ACM D/M /	3312-00	2_4011	2_000
7.	Remarks: Cust. Item 03, Aard Item 03,	QLy.	I, DISC	METOWE	nt Agel F/N 4	3312-00.	3-401.	3-000
						_		
	(A&M S.O. 25974) *Dwg. prepared	by A&M	. This	certif	ication meets	the re	quire	i infor-
	mation of ASME Section III 1974	Editio	n Summer	1974	Addenda.			
۰	Nom. thickness (in.)890 <sup>11</sup> Min. design thickne	(- ) -	736" 2:-	10.46.0	, N/A .	-1		N/A
					•	tn overall (†	t&∟(∩.)_	31,713
9.	When applicable, Certificate Holders' Data Reports ar	e attache	d for each iter	n of this r	eport:			

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
49672 TR. CL45	N/A		
		(26)	· · · · · · · · · · · · · · · · · · ·
		(27)	
		(28)	
		(29)	•
		(30)	
		(31)	
		(32)	
		(33)	
		(34)	<del></del>
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		(36)	
		(37)	<del></del>
		(38)	
		(39)	<del></del>
		1, 1, 1, 1	<del></del>
		(41)	
		(43)	
		(44)	
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		(47)	
		(48)	
		(49)	
		(50)	
<del></del>		(50)	

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

(when applicable)

### FORM N-2 (Back - Pg. 2 of $\frac{2}{}$ )

Certificate Holder's Serial Nos. # 49672 Tr. CL45 through	
CERTIFICATION OF DESIGN	
Design specifications certified by Stephen A. Shuman  (when applicable)  P.E. State PA Reg. no. 302	<i>€</i>
Design report* certified byN/AP.E. StateN/AReg. noN/A	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in this report are correct and that this (these)	<del></del>
NPT Certificate of Authorization No. N-2607 Expires 6-13-01  Date 15/95 Name Atwood & Morrill Co., Inc. Signed 5 received (authorized representative)	
CERTIFICATE OF INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Prov.  **MEWHAMPSINE** and employed by H.S.B.I. & I. CO.**  of Hartford, CT have inspected these items described in this Data Report on Fig. 1/1998. And state that best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, State of the certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment design in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property dam loss of any kind arising from or connected with this inspection.	to the
Date 6/25/58 Signed 6/25/19 Signed 1/202 11	<b>-</b>

Attached to Disc

Lugs - HT NO. 33221 TR. CL9 S/N 1-2

TYPE: COMMENTS:

Atwood & Morrill Co. Inc. 285 Canal St. (Name and Address of N Certificate Holder)  Hectured for Stone & Vebster Engineering Corp., Boston, F    Plane and Address of Purchaser or Corner)		
ion of Installation Beaver Valley Power Station, Shippingpor	A (FOR Duc	quesne Light
or Valve Valve Hominal Inlet Size 3	rt. PA	
or Valve Nominal Inlet Size		. 1
- Andria	Ovilet 1	Line
(a) Model No., (b) N Certificate Holder's (c) Canadian		
Series No. Series Registration (d) Drawing	• • •	Nat's. (g) Y
er Type No. No. No.	e) Close B	4 No." Bri
3" Check 14-13540 N/A 13540-06-H	2	N/A 19
Valve * Kev. 5		
* Revised to update drawing rev. level		
Original RPV-1 form signed by H. Evens on 6/20/0	30	RE
Trighter that the state of the state of		
		N
•		Engin Do
Westing Pressure 3500 psi at 100°F.	<b></b>	•
		<del></del>
Morte No. Motorial Spee. No. Manufacturer	' !	Remerks
	<u>'</u>	Remerks
		······································
stings Body SA 351 Gr. CFBM Ousker Allon		Nomerts N 14-13540
Body SA 351 Gr. CFBM Owaker Allon	y \$/	N 14-13540
Sings  Rody SA 351 Gr. CFRM Ousker Allon RT# 71881 RC.# 6684-9	y S/	N 14-13540
Sloge SA 351 Gr. CFBM Oweker Allow RT # 1881	y S/	n 14-13540 Light Co.
Shope  Rody SA 351 Gr. CFRM Oweker Allon RT # 71881 Rt. # 6684-9	Duque ne l Besver Vall P.O. No. 25	N 14-13540 Light Co. Ley Unit 2 av.20
Slody SA 351 Gr. GFRM Queker Allon 17 / 71881 10. / 6684-9	y S/I Duque ne I Beaver Yall P.O. No. 25 Misc. Check	N 14-13540 Light Co. Ley Unit 2 av.20 k Valves
SA 351 Gr. CFRM Quaker Allon 17 7 1881 11. 7 6684-9	y S/I Duque ne I Seaver Vali P.O. No. 25 Misc. Chec. 2112 and L	N 14-13540 Light Co. Light 2 av-20 k-Valves arger
Singe Body SA 351 Gr. CFSM Oueker Allon NT/ 7188) Nt. / 6684-9	Seaver Vall Beaver Vall P.O. No. 25 Misc. Chac 24 and L.	N 14-13540 Light Co. lev Unit 2 av-20 k Valves Arret and By
Singe Body SA 351 Gr. CFSM Oueker Allon NT / 7188) Nt. / 6684-9	Suque ne l Seaver Vall P.O. No. 26 Misc. Chac 2114 and L Atanut Ctur Atunno &	N 14-13540  Light Co.  ev Unit 2  av-20  k Yahvsa  arret  ed By  Morrill Co. 1
Sody SA 351 Gr. CFSM Queker Allon 17 / 71881 11. / 6684-9	Seaver Vall Beaver Vall P.O. No. 25 Misc Chac 2½" and Land Atmost & 285 Canal	N 14-13540 Light Co. Lev Unit 2 av.20 k Yalves Arger and By Morrill Co. Street
Singe Body SA 351 Gr. CFRM Queker Allon NT / T188) Nt. / 6684-9	Suque ne l Seaver Vall P.O. No. 26 Misc. Chac 2114 and L Atanut Ctur Atunno &	N 14-13540 Light Co. Lev Unit 2 av.20 k Yalves Arger and By Morrill Co. Street
Slody SA 351 Gr. GFRM Queker Allon 17 J 1881 10. J 6684-9	Duque ne  Seaver Yall  Seaver Yall  P.O. No. 25  Misc. Chaci  2\(\frac{1}{2}\) and L  Manufactur  Atomos &  285 Canal  Salem, MA	N 14-13540  Light Co.  Lev Unit 2  av.20  k Yahva  Arrett  ed By  Morrill Co. 1  Street  U1970
SA 351 Gr. GFRM Quaker Allon (1.7 7188) (c.7 6684-9  SA 182 Gr. F-316 Comm & Sauth	Duque ne  Seaver Yall  Seaver Yall  P.O. No. 25  Misc. Chaci  2\(\frac{1}{2}\) and L  Manufactur  Atomos &  285 Canal  Salem, MA	N 14-13540 Light Co. Lev Unit 2 av.20 k Yalves Arger and By Morrill Co. Street
Slody SA 351 Gr. GFRM Queker Allon 17 J 1881 10. J 6684-9	Duque ne  Seaver Yall  Seaver Yall  P.O. No. 25  Misc. Chaci  2\(\frac{1}{2}\) and L  Manufactur  Atomos &  285 Canal  Salem, MA	N 14-13540  Light Co.  Lev Unit 2  av.20  k Yahva  Arrett  ed By  Morrill Co. 1  Street  U1970
SA 351 Gr. GFRM Quaker Allon (1.7 7188) (c.7 6684-9  SA 182 Gr. F-316 Comm & Sauth	Duque ne 1 Seaver Vall P.O. No. 25 Misc Chec 25° and L Atanul ctur Atunos & 285 Canal Salem MA	N 14-13540  Light Co.  Lev Unit 2  av.20  k Yahva  Arrett  ed By  Morrill Co. 1  Street  U1970

#### FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer .	Remerks
Bolting		too Busen & Sees	Code J58
Brg.Cover Studs	SA 193 Gr. 88	Jos , Dyson & Sons	tode 5/5
Bra.Cover Nuts	\$A 194 Gr. 8	Jos.Dyson & Sons	Code J61
			•
Id) Other Parts Stuff.Box Cover	SA 240 Gr. 316	Sandmeyer Steel (MS)	S/N 14A-13540
Ht.# 625179	3A 210 011 315	Crucible Steel (MM)	S/N 148-13547
· Disc	SA 479 Gr. 316	Industrial Service	S/N 14-13540
Ht. 79183		Center (MS)	
		Industrial Service	5/N 14X-13540
Disc Lug (2) Ht. # 79183	5A 479 Gr. 316	Center (AS)	5/N 14X-1354
Mt.1 /3103		Jos. Stainless St. (MI	

Served Atwood & Morrill Co., Inc. by June M. Gray Gr. ange 419/24	h Nydrouth (M)
We earthy that the statements made in this report are correct and that this pump, or valve, conforms to the rules of conservation of the ASME Code for Nuclear Power Plant Components. Section III, Div. L. Edition	CERTIFICATE OF COMPLIANCE
	Addende Summer 1976 . Code Case No. H/A Des H/A  Signed Atwood & Morrill Co., Inc. by Signed Atwood & Morrill Co., Inc.

CERTIFICATION OF DESIGN		
	RECE	IVED
Design information on file at <u>Stone &amp; Vebster</u> Bress analysis report (Class T only) on file at <u>H/A</u>	1/2-	
	APR	5 1984
Design specifications contiled by (1) _Arthur V _Elliot	Stone	Webster Corporation nt Review
Stress analysis certified by (1)	musor.	nt Review
(1) Steamburn mot required. List name only.		1

CERTIFICATE OF SHOP ENGRACTION
t, the understand, helding a velid commission leaved by the National Board of Buller and Procure Vessel Inspertions and the State or Province of Hassachusetts and employed by H.S.B.L. & L. Co.  of Hassachusetts have inspected the pump, or valve, described in this Date Report on C-26 19 52, and state that to the best of my bnewtadge and belief, the N Cardiffeste Helder has concerned this pump, or valve, in accordance with the ASME Code, Section III.
By signing this certificate, neither the inspector nor his employer makes any scenarity, expressed or implied, concerning the equipment described in this Date Report. Purthermore, neither the inspector nor his employer shall be tiable in any message for any servancil injury or properly demage or a less of any kind crising from or connected with this inspection.
Commission SCITTS WC2964  [Section 1] The Commission AC1718 WC2964  Fortist State of the Commission of

ACC ....

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Form No.	1086
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1. Owner	Duquesne Light	Company	D	ate	08-3	31-98	
411 Sevent	h Avenue - Pittsb (ADDRESS)	ourgh, PA 15279	<u>)</u> s	heet <u>1</u>	0	f	2
2. Plant	Beaver Valley P	ower Station	υ	nit No.		1	
	Shippingport, PA	A 15077	<del></del>	MV REPAIR ORGANIZ	VR #07	3492 No., JOB No.,	ETC.
3. Work Perfo	rmed By <u>DLCo</u>	- Maint, Progra	ams Ty	ype Code Symbol	Stamp	Not A	pplicable
	Shippingport, PA	. 15077	Aı	uthorization No.		N/A	
	(ADDRESS)						
			E)	xpiration Date _	<del></del>		
4. Identification	n of System	Ventilation Sys	stem (Q3)				
5 (a) Applicable	Canalanation Code	Sout M	11 40 7å m				
				dition, S'72 Ad	ldenda, _	N/A Code	Case
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements	1989E			
6. Identification	n of Components	Repaired or Re	placed and Re	eplacements Com	ponents	3	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or
Heat Exchanger	York Div. Borg- Warner	1-2239	46531	VS-E-4B	1972	Repaired	Yes
End Bell	York Intl.	N/A	N/A	Ht #421A2951	1991	Replace- ment	No
						·	
					·		
'. Description o	of Work Replace	ed heat exchang	er end bell co	vers.			
3. Tests Condu	cted: Hydrosta	_		Nominal Operatin	g Press	sure 🛭	

9. Remarks U-I Data Report attached. Previous NIS-2 Data Report Nos: 348, and 196. The end
bell covers were replaced because they had corroded.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed State September 01 19 98
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, helding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of
Owner's Report during the period  Waltham, Massachusetts  have inspected the components described in the .  9/2/98, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch . Commissions NB 7509(NI) PA2162  National Board States Program and Softwareness.
Date Sept 2 19 98

As required by the Provisions of the ASME Code Rules, Section VIII, Division I

	1	l. Manufactured by	_YORK D	IVISI	ON BORG	-WARNER	CORPORA	LT!DH. YO	DE DEUNCY	1/ 6 11 6 4	11. 6
						•			cr,		
		2. Manufactured fo	=			(Nar	ne sua saat	SS Of Purchase	· 1		
	3	l. Type Horiz	Kual (1	Ht. E	Exch (Kered, Hear	Exch.) Vesse	1 No. ( <u>Mirs.S</u>	erm) (State	Nate & State Nn.)	l. Bd. No. <u>46</u>	531 Yr. Built <u>197</u>
	11	tents 4 - 9 incl. to be	e completed to	vr sinele	wall vessels	(such as air i	tankt), inche	ts of reckated a	consule or hulls a	(1000	<del></del>
	4.	. SHELL: Material	SA-53-	В	T.S. 60	,000	Noi Thi	minal 5/16"	Currosion	Diam 15	-3/8" -3/8" -3/8" -3/8" -3/8"
			(Kind and Spe	c. No.)	(Fig.or l	F.B.& Spec.N	(in.T.S.)			is Diam.— I. (*	If eveted de-
	5.	. SEAMS: Long	Seamless		H.T.	NO .	. R.T. N	<u>o</u>	ectioned No	_ Efficiency	00 a life riveted describe seams fully on re-
		()	relaca'T\u1''2!	igie,Lap	(1108,	(Tes or No).	(Spot	or Complete)	(Yes or N	o)	verse side of
		Girth _			II.T		R.T	Sc	ctioned }	lo.of Courses	form.
	٥.	Location	131		Crown	_ I.S Knuckle	Elliptical (8	Material Conical	Hemispherical	Flat	T.S. Side to Pressure (Convex or Concave)
		(Tap, bottom, e	ends) Thick	1633	Radius	Radius	Katio	Apex Angle	Radius	Diameter	(Convex or Concave)
		(b)							<del></del>		
		If removable, bolt	s used				Other fa	stening	(Describe or At		
	•	• •								-	•
	7.	STAYBOLTS:(	Manager 10 h	ollow _		Attachment		Pitch	x	Diam.	. ————
•											(Nominal)
•	5.	JACKET CLOSU	RE:	escribe	ss oges & w	eld, bar, etc.	If bar, give	dimensions, if	bolted, describe	t sketch)	
_	9.	Constructed for m	ıax.		•		Min. To	mp.(when	lapvama Pocuma	Frest	
Ů.		Constructed for mallowable working	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>	si at max, te	mp. 250.°	F. less tha	n -20°)		incentify Prese	375 psi.
_	ite	ems 10 and 11 to b	e edinpiated to	er lube :	Sections.	<u> </u>	70 S.	<u>5. 304 S</u>	A-240 1/4	" Clad	· · · · · · · · · · · · · · · · · · ·
_	10.	TUBE SHEETS: S	itationary, Ma	Ki	ind & Spec.	No.) (Subje	et to Pressu	n. Inickness _ re)	in. Attacam	Cut, (Meld	ed, bolted)
0		F	loating. Ma	terial		Diam.	1	Thickness	In. Attachme	ent	
		Staini Staini Material	055	SA-24	gr & Sps=3	64		Inchesen			
	11.	TUBES: Material	Fred ( Sage	O.D	3/4	In. Thickn	css #159W	G of Gage 1	iumber5	O Type	Straight
	l:e	ms 12-15 incl. to	be completed	tor inne	r chambers	of inchesed v	resuls, ar ch	annels of heat	exchangers.		(Straight of U)
				_		Nomi	nal	Corrosion			
	12.	SHELL Material _	(Kind and So	es. No.1	S	.B. & Spec. S	ness lr Min. T.S.)	. Allowance.	In. DiamI	itIn. Len	ngth FtIn
	12	SEAMS: Long	<b>(</b> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, ( <u>.</u> ,	D T		Castioned	Efficience		If riveted de-
	13.	SEAMS: LUNG (W	elded,Dbl.,Sin	gle,Lap,	Butt) (Yes	or No) (S	pot or Comp	iete) (Yes	or No)		scribe scams fully on re-
		Girth _		•	H.T.	· R.T.		Continued			verse side of
	14.							Zet intiled	No. of con	****	form.
		HEADS (a) Materi	al .		T.S.	(b) Mate			No. of cou		
	•	HEADS (a) Materi	al	Cre	T.S.	(b) Mate					
	(2)	HEADS (a) Materi Location Top,bottom,ends	al	Cro Ra	T.S	(b) Mate Knuckle Radius					T.S. Side to Pressure (Convex or Concav
	(2) (b)	HEADS (a) Materi Location Top,bottom,ends Channel	dickness	Cro Ra	T.S. H	(b) Mate Knuckle Radius					
	(a) (b)	Top, bottom, ends Channel Floating		Cre Rad	T.S.	(b) Mate Cnuckle Radius		T.S. Conical Apex Angl			
	(a) (b)	Top,bottom,ends Channel	II E	X E M	PT"		erial Elliptical Ratio				
	(a) (b)	Top, bottom, ends Channel Floating	II E	X E M	PT"	(b) Mate (nuckle Radius	erial Elliptical Ratio	T.S. Conical Apex Angl	(c) Material Hemispherical Radius		
	(a) (b)	Top, bottom, ends Channel Floating	II E	X E M	PT"		erial Elliptical Ratio	T.S. Conical Apex Angl	(c) Material Hemispherical Radius	Flat Diameter	T.S. Side to Pressure (Convex or Concav
	(a) (b) (c)	Top,bottom,ends ) Channel   Floating   If removable, bol	(c)	X E M	PT"		erial Elliptical Ratio	T.S. Conical Apex Angl	(c) Material Hemispherical Radius	Flat Diameter  Describe or A	T.S. Side to Pressure (Convex or Concav
	(a) (b) (c)	Top, bottom, ends Channel Floating	II E y	(Materia	at, Spec. No.	., T.S., Size,	erial Elliptical Ratio	T.S. Coniess Apex Angle (b)	(c) Material Hemispherical Radius	Flat Diameter  Describe or A	T.S. Side to Pressure (Convex or Concav
	(a) (b) (c)	Top, bottom, ends ) Channel Floating If removable, bot	(c)	(Materia	at. Spec. No.	., T.S., Size,	Elliptical Ratio  Number)	T.S. Coniess Apex Angle (b)	(c) Material Hemispherical Radius  [astening [[Viii]] [Viii] [Viii] [Viii]	Flat Diameter  Describe or A  Marin  Marin  Marin  Marin  Marin  Pr	T.S. Side to Pressure (Convex or Concav  (Convex or Concav  Loak tost  Loak tost
	(a) (b) (c)	Constructed for mallowable working	ts used (a)	(Materia	at, Spec. No.	., T.S., Size,	Elliptical Ratio  Number)  Min. temp. Icss than -2	T.S. Coniess Apex Angle (b)	(c) Material Hemispherical Radius  [astening [[Viii]] [Viii] [Viii] [Viii]	Flat Diameter  Describe or A  Marin  Marin  Marin  Marin  Marin  Pr	T.S. Side to Pressure (Convex or Concav
	(2) (b) (c) 15.	Constructed for mallowable working  ms below to be constructed.  SAFETY VALVE  NOZZLES	ts used (a)	(Materia	at, Spec. No.	., T.S., Size,	Elliptical Ratio  Number)  Min. temp. Icss than -2	T.S. Coniest Apex Angle  (b) Other	(c) Material Hemispherical Radius  [astening [[Viii]] [Viii] [Viii] [Viii]	Plat Diameter  Describe or A Marin  Medium Pr	T.S. Side to Pressure (Convex or Concav  Itach Sketch) Loak tost cst 100 pu.
	(a) (b) (c) 15.	Constructed for mallowable working	ts used (a)	(Material pst at no vessels funaber	at, Spec. No.	150 °F.	Number)  Min. temp. Icss than -3	T.S. Conical Apex Angle  (b) Other  (when U's)	(c) Material Hemispherical Radius  [astening [juli: [infin] Loca Thickness	Describe or A marin training Proton Near Reinforcem Material	T.S. Side to Pressure (Convex or Concav  Itach Sketch) Laak tost cut 100 put
	(a) (b) (c) 15.	Constructed for mallowable working ims below to be constructed for instance of the construction of the constructi	(c)	(Material pst at no vessels funaber	st, Spec. No.	150 °F.	Number)  Min. temp. Icss than -3	T.S. Coniest Apex Angl  (b) Other  (when U'') Material A-53-B	(c) Material Hemispherical Radius  [astening	Describe or A Marin tradution Near Reinforcem Material SA-515-	T.S. Side to Pressure (Convex or Concav  Itiach Sketch) Loak tost est 100 psi. end of shell ent How Attached 70 Wollded
	(a) (b) (c) 15.	Constructed for mallowable working ims below to be constructed for instance of the constructed for instance of the construction of th	its used (a)	(Material pst at no vessels funaber	st, Spec. No.	150 °I°. cable.  Type Pipe Pipe	Number)  Min. temp. Icss than -2	T.S. Coniest Apex Angle (b) Other (when U²) Material A-53-B A-53-8	(c) Material Hemispherical Radius  [astening - P.   [Vilia]   Loca Thickness Sch. 40 Sch. 40	Describe or A marin training Proton Near Reinforcem Material	T.S.  Side to Pressure (Convex or Concav  Itach Sketch)  Loak tost  Loak tost  100 pu.  end of shell  ent How Attached 70 Welled
	(a) (b) (c) 15.	Constructed for mallowable working ims below to be constructed for instance (Inlet, NOZZLES Purpose (Inlet, Outlet, Drain) Inlet Outlet, Equal	(c)	(Material pst at no vessels funaber	where applications or Size 4"	Type Pipe Pipe Coup	Number)  Min. temp. icss than -:  Size  Size	T.S. Coniest Apex Angle (b)	(c) Material Hemispherical Radius  [astening - F.   [Vilia]   [Vilia]   Loca  Thickness Sch. 40 Sch. 40 3,000 1b	Describe or A Marin tradution Near Reinforcem Material SA-515-	T.S.  Side to Pressure (Convex or Concav  Itach Sketch) Loak tost Loak tost 100 pu.  end of shell ent How Attached 70 Welced Welced Welced
	(a) (b) (c) 15.	Constructed for mallowable working ims below to be constructed for instance of the constructed for instance of the construction of th	its used (a)	(Material pst at no vessels funaber	st, Spec. No.	Type Pipe Pipe Coup	Number)  Min. temp. Icss than -:  Size  Size	T.S. Coniest Apex Angle (b) Other (when U²) Material A-53-B A-53-8	(c) Material Hemispherical Radius  [astening - P.   [Vilia]   Loca Thickness Sch. 40 Sch. 40	Describe or A Marin Industrial Process of the Proce	T.S. Side to Pressure (Convex or Concav  Itiach Sketch) Loak tost cst 100 pst. end of shell ent How Attached 70 Wolcod Wolcod Wolcod Wolcod
	(a) (b) (c) 15.	Constructed for mallowable working ims below to be constructed for instance (Inlet, NOZZLES Purpose (Inlet, Outlet, Drain) Inlet Outlet, Equal	its used (a)	(Material pst at no vessels funaber	where appliam, or Size 4"  1-1/4" 3/8"	Type Pipe Pipe Coup	Number)  Min. temp. lcss than -3  Size Ling. S.	(when U <sup>3</sup> )	(c) Material Hemispherical Radius  [astening [junit] [junit] [junit] [junit] Loca  Thickness Sch. 40 Sch. 40 3,000 lb. 3,000 lb.	Describe or A Marin Marina Properties Proper	T.S. Side to Pressure (Convex or Concav  Itach Sketch) Loak tost Loak tost 100 pu.  end of shell ent How Attached 70 Welced Welced Welced
	(a) (b) (c) 15.	Constructed for mallowable working ims below to be constructed for instance (Inlet, NOZZLES Purpose (Inlet, Outlet, Drain) Inlet Outlet, Equal	its used (a)	(Material pst at no vessels funaber	where applied 4"  1-1/4"  3/8"	Type Pipe Pipe Coup	Number)  Min. temp. Icss than -:  Size Ling. S. Ling. S.	T.S. Coniest Apex Angle (b) (b) Other (when U²) Material A-53-B A-53-B A-105-2 A-105-2 Mino	(c) Material Hemispherical Radius  [astening [junit] [junit] [junit] [junit] Loca  Thickness Sch. 40 Sch. 40 3,000 lb. 3,000 lb.	Describe or A Marin (Marina) Printernal Printernal Printernal Printernal SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515-SA-515	T.S. Side to Pressure (Convex or Concav  Itach Sketch) Loak tost Loak tost 100 pu.  end of shell ent How Attached 70 Welced Welced Welced
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I, the unthe State of includate manufally sign pressure via the State of the State	constructed this pressuring this certificate neinessel described in this name for any personal in August 7  CEI Inspectors Signer in the certificate of the certificate of secturer has constructed pressure Vessel Code.  Ing this certificate neinessel described in this name for any personal in this name for any personal in the certificate of the certifica	ther the Inspector in manufacturer's date injury or property designing or property desig	FIELD AS: ued by the Nati d by have consisted to as see been inspected to as see been inspected to the see been inspected	makes any warry more, neither the of any kind aris Nat'l E Nat	inty, expressed or implinate processed or implinate processed or implinate processed or implication of Comm. #3695  oard, State, Province as the processed of implication or connected with the applicable set a hydrostatic test of any processed or implinate processed or implinate processed or implication or connected with the application of the ap	ied, concerning the syer shell be liable ith this inspection.  I Inspectors and/or of turer's data report turer's data report towledge and belief ctions of the ASME psi.
I, the unthe State of includate manufally sign pressure via the State of the State	constructed this pressuring this certificate neinessel described in this name for any personal in August 7  CEI Inspectors Signer in the certificate of the certificate of secturer has constructed pressure Vessel Code.  Ing this certificate neinessel described in this name for any personal in this name for any personal in the certificate of the certifica	ther the Inspector in manufacturer's date injury or property determining the second se	FIELD ASS ued by the Nati d by have considered to essert the series of t	makes any warry more, neither the of any kind aris Nat'l E Nat	inty, expressed or implinate properties or implication or connected with the applicable seathy, expressed or implinate properties or connected with the applicable seathy, expressed or implinate properties or connected with the applicable seathy, expressed or implinate properties or connected with the application or c	ied, concerning the syer shall be liable ith this inspection.  I Inspectors and/or of turer's data report turer's data report towledge and belief ctions of the ASME psi.

Form No.	1095	

=								
1.	Owner	Duquesne Light	Company	Da	ite	06-	22-99	
	411 Sevent	th Avenue - Pittsl (ADDRESS)	ourgh, PA 15279	_ Sh	eet1		ıf	1
2.	Plant	Beaver Valley P	ower Station	Un	it No.		1	
	<del> </del>	Shippingport, P.	A 15077		REPAIR ORGANIZ	VR #07	6049 . NO., JOB NO.,	ETC.
3.	Work Perfo	rmed By <u>DLC</u> o	- Maint. Progra	ms Typ	oe Code Symbol	Stamp	Not A	policable
		Shippingport, P.	A 15077	Au	thorization No		N/A	
		(ADDRESS)			piration Date		*	
4.	Identificatio	n of System _	Main Steam (C					-
5.		Construction Code				ldenda, _	N/A Code	Case
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E			
6.	Identification	n of Components	Repaired or Re	placed and Re	placements Com	ponent	s	
	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	ITT Grinell	8332	N/A	SHP-HSS-213	N/A	Replaced	No
	44		VB5642	66	. "	44	Replace- ment	44
					·			
,	. , ,		• ,		·. •	•		
						, .	`.	
							<u> </u>	· · · · · · · · · · · · · · · · · · ·
۲.	Description	of Work <u>Replac</u>	ed snubber with	<u>spare for testin</u>	g purposes.	<del></del>		
		-					· · · · · · · · · · · · · · · · · · ·	<del></del>
_								
3.	*Tests Cond	fucted: Hydros		eumatic 🗌	Nominal Operat	-		*****
		Other 🗌	rressure _	psi	Test Temp.	·	°F	*N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Sensor or Owner's Designee, Title Date June 22nd 19 99
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>Arkwright Mutual Insurance Co.</u> of Waitham, Massachusetts have inspected the components described in the
Owner's Report during the period 2///99 to 6/30/99, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB 7509 (NT) PA 2162  Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date June 30, 19 99

_		
Form No.	1096	

_									
1.	Owner Duquesne Light Company     (NAME)				te	08-	23-99		
	411 Sevent	h Avenue - Pittsk	ourgh, PA 15279	<u>Sh</u>	eet1	0	ıf	1	
2	Plant	Beaver Valley P	lower Station	1 Im	it No.				
۵.	- Iailt	(NAME)	ower Station	Un	It No		1		
		Shippingport, P. (ADDRESS)	<u> 4 15077</u>		REPAIR ORGANIZ	VR #07	6061	ETC	
3.	Work Perfo	rmed By <u>DLCo</u>	- Maint. Progra	ıms Typ	e Code Symbol			pplicable	
		Shippingport, PA	,,	Aut	horization No		N/A		
		(ADDRESS)			oiration Date _				
4.	Identificatio	n of System _	Feedwater (Cla					-	
5. Co	(a) Applicable de Case	Construction Code	ANSI B3	11.1 19 <u>67</u>	Edition, <u>\$7</u>	71	Addenda,	N/A	
Ç		Edition of Section X	Utilized for Repairs	or Replacements	1989E				
6.		n of Components				ponent	s		
	Name of Component	Name of . Manufacturer	, Manufacturer Serial No.	National Board . No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	12698	N/A	WFPD-HSS-206	N/A	Replaced	No	
	19	10	24546	**	"	"	Replace- ment	**	
	•		•						
				•.		. ``			
7.	. Description of Work Replaced snubber with spare for testing purposes								
8.	*Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. *F *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIAN.
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repa:  acement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Super or Owner's Designee, Title Date August 23rd , 19 99
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 Arkwright Mutual Insurance Co. of Waltham. Massachusetts have inspected the components described in the Owner's Report during the period 2/1/99 to 8/25/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB 7509 (VI) PA 2162  Inspector's Signature  Commissions NB 7509 (VI) PA 2162  National Board, State, Province, and Endorsements
Date <u>Aug. 25</u> , 19 99

Earm No	1007
Form No.	1097

-									
1.	Owner	Duquesne Light	t Company	Da	te	06-2	21-99		
	411 Sevent	h Avenue - Pittst	ourgh, PA 15279	Sh	eet <u>1</u>	。	f	1	
2	Diont	•	Annuar Otation	11-	** *				
۷.	Plant	Beaver Valley P	ower Station	Un	it No.	<del></del>	1		
	<del></del>	Shippingport, P. (ADDRESS)	A 15077		MV REPAIR ORGANIZ	VR #07	6065 NO., JOB NO.,	ETC.	
3.	3. Work Performed By <u>DLCo - Maint. Programs</u>				Type Code Symbol Stamp Not Applicable				
		Shippingport, P	A 15077	Au	thorization No		N/A		
		(ADDRESS)		Ex	piration Date _				
4.	Identification	n of System _	Reactor Coolar	nt (Class Q1)					
5.	(a) Applicable	Construction Code	ANSI B31.1	19 <u>67</u> Edi	tion, <u>S'71</u> Ad	denda,	N/A Code (	Case	
		Edition of Section X				-			
6.	5. 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	5049	N/A	RC-PSSP-116	N/A	Replaced	No	
			11402	46	64	66	Replace- ment	"	
7.	Description	of Work Replac	ed snubber with	spare for testin	g purposes.	<del></del>			
					······································		·····	<del></del>	
8.	*Tests Cond	lucted: Hydros Other 🔲		eumatic 🔲	Nominal Operat	ing Pre		*N/A	

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed- Signed Supplies Date June 21st 19 99
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>Arkwright Mutual Insurance Co.</u> of
Waitham, Massachusetts have inspected the components described in the Owner's Report during the period 2/11/99 to 6/22/99, 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
Robert Comoch commissions NB7509(NI)PA2162
Date June 22, 19 99

Form	No	1098	
POHIL	INO.	1090	

===									
1.	Owner	Duquesne Ligh	Company	Da	ite	08-	23-99		
	411 Sevent	th Avenue - Pittsl	ourgh, PA 15279	<u>)</u> Sh	eet <u>1</u>	0	of	1	
2.	Plant	Beaver Valley F	ower Station	Un	it No.		1	·	
		Shinningnort D	A 15077		h.41				
		(ADDRESS)	A 15077		REPAIR ORGANIZ	VR #07 ATION P.O	60/9 . NO., JOB NO.,	ETC.	
3.	B. Work Performed By <u>DLCo - Maint, Programs</u>				oe Code Symbol				
		Shippingport, P.	A 15077	Au	thorization No		NI/A		
		(ADDRESS)			piration Date _			<del></del>	
	l da maitin mai m	4 O:4	<b>5</b>			**			
4.	Identificatio	n of System _	Feedwater (Cla	ass Q2)	<del></del>			· · · · · · · · · · · · · · · · · · ·	
5. Cod	(a) Applicable de Case	Construction Code	ANSI B3	3 <u>1.1</u> 19 <u>67</u>	Edition, S'7	'1	Addenda,	N/A	
		Edition of Section X	Utilized for Repairs	or Replacements	1989E				
6.	6. Identification of Components Repaired or Replaced and Replacements Components								
				·			Repaired,	ASME	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Replaced, or Replacement	Code Stamped (YES or	
								NO)	
	Snubber	ITT Grinell	VB-5642	N/A	WFPD-HSS-229	N/A	Replaced	No	
	19	. 11	30460	**	n	Pê	Replace- ment	19	
<del></del>	•								
	••	, ••	•						
				•	•			-	
				,					
7.	Description (	of Work Replac	ed soubber with	snare for testin	a purmosas				
		<u></u>	<u> </u>	<u> </u>	4 purposes		<del></del>		
								<del></del>	
8.	*Tests Cond	lucted: Hydros	tatic 🔲 Pno	eumatic 🔲	Nominal Operat	ing Pre	ssure 🗌		
	Other Pressure psi Test Temp. °F *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Replacement</u> conform to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Seven Eur Date August 23rd , 19 99
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 Arkwright Mutual Insurance Co. of
waitnam, Massachusetts have inspected the components described in the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB 7509 (N,I) PA 2162  National Board, State, Province, and Endorsements
Date <u>Aug. 25</u> , 19 <u>99</u>

Form No.	1100	

					<del></del>	_	_		
1.	1. Owner <u>Duquesne Light Company</u>				ate	06-	21-99		
	411 Sevent	h Avenue - Pittsl	ourgh, PA 15279	<u>.</u> s	heet <u>1</u>	0	f	1	
2.	Plant	Beaver Valley F	ower Station	υ	nit No.		1		
	Shippingport, PA 15077				M	WR #07	6043		
		(ADDRESS)			REPAIR ORGANI	ZATION P.O	. NO., JOB NO.,	ETC.	
3.	Work Perfo	rmed By <u>DLCc</u>	- Maint. Progra	ıms Ty	/pe Code Symbo	Stamp	Not A	policable	
		Shippingport, P	A 15077	At	uthorization No	···	N/A		
		(ADDITICO)		Ex	xpiration Date	· · · · · · · · · · · · · · · · · · ·	10	·	
4.	Identificatio	n of System	Reactor Coolar	nt (Class 1)					
					lition, <u>W'66</u> A	ddanda	N/A Code	Casa .	
		Edition of Section X				uderida, _	IVA Code	Jas <b>e</b>	
6.	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, Of Replacement	ASME Code -Stamped (YES or NO)	
	Snubber	Bergen- Patterson	68284-5A	N/A	RC-HC-9A	N/A	Replaced	No	
	44	66	68284-15	66	- 66	64	Replace- ment	66	
						<u> </u>			
7.	Description (	of Work Replace	ed snubber with	spare for testi	ng purposes.		<u>-</u>		
		<del></del> -							
3.	. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes. Previous NIS-2
Code Data Report No. 468.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Sr. Eugineer Date June 21st 19 99
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 Arkwright Mutual Insurance Co. of  Waltham, Massachusetts have inspected the components described in the
Owner's Report during the period $\frac{2/3/99}{}$ to $\frac{6/22/99}{}$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB 7509 (N,I) PA 2182  Inspector's Signature Commissions NB 7509 (N,I) PA 2182
Date June 22, 19 99

Form No.	1101	
FORM NO.	1101	

1.	Owner	Duquesne Light	Company	Da	ate	06-2	23-99		
	411 Sevent	h Avenue - Pittst	ourgh, PA 15279	<u>.</u> sr	neet1	0	f	1	
2.	Plant	Beaver Valley P	ower Station	Ur	nit No.		1	A	
		, ,	A 45077 !						
		Shippingport, P/ (ADDRESS)	4 150//		REPAIR ORGANIZ	VR #07 ATION P.O.	6044 . no., job no.,	ETC.	
3.	3. Work Performed By <u>DLCo - Maint, Programs</u>			ıms Ty	pe Code Symbol	Stamp	Not A	policable	
		Shippingport, P/	A 15077	Au	thorization No		N/A		
		(ADDRESS)			piration Date				
4.	Identification	n of System	Component Co					-	
5	(a) Applicable	Construction Code	ANGI DO1 1	10 67 54	ition, <u>S'71</u> Ad	144-	N/A @		
٥.		Edition of Section XI				idenda, _	N/A Code (	Case	
				•			i		
6.	Identification	n of Components	Repaired or Re	placed and Re	placements Com	ponent	S		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	8826	N/A	CC-HSS-401	N/A	Replaced	No	
	66	6 <b>6</b>	12183	16	46	44	Replace- ment	46	
			· · · · · · · · · · · · · · · · · · ·						
•									
7.	7. Description of Work Replaced snubber with spare for testing purposes.								
	·								
8.	*Tests Cond	lucted: Hydros		eumatic 🗌	•	-			
	Other Pressure psi Test Temp. Pressure of *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
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.  Replacement conforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed June 23rd , 19 99 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 Arkwright Mutual Insurance Co. of
Waltham, Massachusetts have inspected the components described in the
Owner's Report during the period 2/5/99 to 2/24/99, 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.
Bobert Cember Commissions NB7509 (N, I) PA 2162 Inspector's Signature Commissions NB7509 (N, I) PA 2162
Date June 24, 19 99

Form No.	1102	

1.	Owner	Duquesne Light	Company		Date		06-	22-99		
	411 Sevent	h Avenue - Pittst	ourgh, PA 15279	<u>.                                    </u>	Sheet	1	c	of	1	
2.	Plant	Beaver Valley P	ower Station		Unit No	•		1		
	Shippingport, PA 15077 (AODRESS)					M\ REPAIR ORGANIZ	VR #07	6045 NO., JOB NO.,	ETC.	
3.	3. Work Performed By <u>DLCo - Maint. Programs</u>				Type Code Symbol Stamp Not Applicable					
		Shippingport, PA	15077			ation No				
					Expiration	on Date _	-	•		
4.	Identification	n of System	Reactor Coola	nt (Class Q	1)					
		Construction Code					idenda, _	N/A Code	Case	
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replaceme	ents <u>1989</u>	DE			•	
6.	Identification	n of Components	Repaired or Re	placed and	Replace	ments Com	ponent	s		
	Name of Component	Name of Manufacturer	• Manufacturer Serial No.	National Boa No.	nd .	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	11287	N/A	R	C-HSS-2	N/A	Replaced	No	
	66	66	11286	64		66	44	Replace- ment	44	
						:				
			•			,				
					•					
7. 1	. Description of Work Replaced snubber with spare for testing purposes.									
3. 1	*Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. °F *N/A									

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes. Previous NIS-2
Code Data Report No. 182.
,
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed - House Source Eng. Date June 22nd 19 99
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>Arkwright Mutual Insurance Co.</u> of
Waltham, Massachusetts - have inspected the components described in the
Owner's Report during the period 2/5/99 to 6/30/99, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Common Commissions NB7509 (N, I) PA 2162  Inspector's Signature Commissions NB7509 (N, I) PA 2162
Date June 30, 19 99

Form	Nο	1103
1 01111	INU.	

=				· · · · · · · · · · · · · · · · · · ·					
1.	1. Owner Duquesne Light Company (NAME)				Date		06-2	21-99	
	411 Sevent	h Avenue - Pittst	ourgh, PA 15279	<u> </u>	Sheet	1	o	f	1
2.	Plant	Beaver Valley P	ower Station	<del></del>	Unit N	o	· · · · · · · · · · · · · · · · · · ·	1	
		Shippingport, PA	A 15077			MV	NR #07	6046	
	(ADDRESS)					REPAIR ORGANIZ	ATION P.O	. NO., JOB NO.,	ETC.
3.	3. Work Performed By <u>DLCo - Maint. Programs</u> (NAME)			ms	Type Code Symbol Stamp Not Applicable				policable
		Shippingport, PA	A 15077		Author	ization No		N/A	
		(,			Expira	tion Date	· · · · · · · · · · · · · · · · · · ·		
4.	Identification	n of System	Reactor Coolar	nt (Class Q	1)				
			•						
Э.		Construction Code					idenda, _	N/A Code	Case
		Edition of Section XI							
6.	Identification	n of Components	Repaired or Re	placed and	Replac	ements Com	ponent	S	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boa No.	nd	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or
	Snubber	ITT Grinell	12629	N/A	F	C-HSS-130	N/A	Replaced	No
	"	44	22164	"		56		Replace- ment	66
									7.
			<del></del>			· · · · · · · · · · · · · · · · · · ·		I	
7.	Description (	of Work Replace	ed snubber with	spare for te	sting pu	irposes.			
						- · · · · · · · · · · · · · · · · · · ·			
			•						•
В.	3. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure								
	Other Pressure psi Test Temp. F *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed Si
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 Arkwright Mutual Insurance Co. of
Owner's Report during the period $\frac{2/5/99}{}$ to $\frac{6/23}{99}$ and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cinsoll commissions NB7509 (N,I) PA 2162
Date

Form No.	1104	
i Onin NO.	1104	

1.	Owner	Duquesne Light	Company	Da	te	06-2	21-99		
	411 Sevent	h Avenue - Pittst	ourgh, PA 15279	Sh	eet <u>1</u>	0	f	1	
2.	Plant	, ,	ower Station	Uni	it No.		1		
	<del></del>	(NAME)					·!		
	Shippingport, PA 15077 (ADDRESS)				MWR #076048  REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.				
3.	3. Work Performed By <u>DLCo - Maint. Programs</u>				Type Code Symbol Stamp Not Apolicable				
		Shippingport, PA	A 15077	Aut	horization No		N/A		
		(ADDRESS)							
				CA	piration Date _				
4.	Identification	n of System _	Residual Heat	Removal (Class	s Q2)				
5.	(a) Applicable	Construction Code	ANSI B31.1	19 67 Fdii	ion S'71 Ac	Idanda	N/A Code	Cana	
		Edition of Section X				1001 rua, _	TWA COOR	Case	
_									
б.	Identification	n of Components	Repaired or Re	placed and Rep	placements Com	ponent	S		
						Τ	Repaired,	ASME	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced, or	Code Stamped	
					TOTALLE SIGN		Replacement	(YES or NO)	
	Snubber	ITT Grinell	8775	N/A	RS-HSS-220	N/A	Replaced	No	
	44	£ £	VB-8685B	44	66	**	Replace- ment	"	
	:								
7.	Description	of Work Replace	ed snubber with	spare for testing	g purposes.				
							·	<del></del>	
	tTasta Carai	leanaine de la leanaige	Anato 🗖 🙃				_		
5.	i ests Cond	lucted: Hydros			Nominal Operat	-			
		Other 🔲	Pressure	psi	Test Temp.		°F	*N/A	

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Date June 21st 19 99
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Soiler and Pressure Vessel inspectors and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of Waltham, Massachusetts  Owner's Report during the period 2/5/99 to 6/23/99, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Commissions NB 7509 (VI) PA 2162  Inspector's Signature Commissions NB 7509 (VI) PA 2162
Date June 23, 19 99

Form	No	1105	
FORM	140.	1105	

Name of Component Name of Manufacturer Serial No.  National Board Other Identification Replaced, or Replacement (YES NC Snubber ITT Grinell 12177 N/A SI-PSSP-2 N/A Replaced No.								
Plant Beaver Valley Power Station Unit No. 1    Shippingport, PA 15077   MWR #076058   REPAIR ORGANIZATION P.O. NO. JOB NO. ETC.	. Owner	Duquesne Light	t Company	Da	ite	06-	23-99	
Shippingport, PA 15077  (ADDRESS)  Expiration Date  "  Identification of System  Safety Injection (Class Q2)  (a) Applicable Construction Code ANSI B31.1  19 67 Edition, S'71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements  Dientification of Components Repaired or Replaced and Replacements Components  Name of Name of Manufacturer Serial No.  Name of Manufacturer Serial No.  Name of Component Manufacturer National Board No.  Snubber ITT Grinell  12177  N/A  SI-PSSP-2  N/A  Replaced  No.  Replaced  No.  Replaced  No.  Replaced  No.  Replaced  No.  No.  Replaced  No.  Snubber Manufacturer Serial No.  No.  Replaced  No.  Snubber Manufacturer National Board  No.  No.  No.  Replaced  No.  No.  Replaced  No.  No.  Replaced  No.  No.  No.  Replaced  No.  No.  No.  No.  Replaced  No.  No.  No.  Replaced  No.  No.  No.  No.  Replaced  No.  No.  No.  No.  No.  No.  No.  No	411 Seven	th Avenue - Pittsi	ourgh, PA 15279	_ Sh	eet1		of	1
Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable  Shippingport, PA 15077 Authorization No. N/A    Shippingport, PA 15077   Authorization No. N/A	. Plant		ower Station	Un	it No.		1	
Work Performed By DLCo - Maint. Programs Type Code Symbol Stamp Not Applicable (NAME)  Shippingport, PA 15077 Authorization No. N/A  Expiration Date   Identification of System Safety Injection (Class Q2)  (a) Applicable Construction Code ANSI B31.1 19 67 Edition, S'71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Replacements 1989E  Identification of Components Repaired or Replaced and Replacements Components  Name of Manufacturer Serial No. National Board Name of Manufacturer Serial No. N/A SI-PSSP-2 N/A Replaced No. Snumber ITT Grinell 12177 N/A SI-PSSP-2 N/A Replaced No. No. Replaced No. No. Replaced No. No. Replaced No. No. No. Replaced No. No. No. Replaced No. No. Replaced No. No. Replaced No. No. Replaced No. No. No. No. No. Replaced No. No. Replaced No. No. No. No. No. No. No. Replaced No. No. Replaced No. No. No. No. No. No. No. No. No. Replaced No. No. No. No. No. No. No. No. No. Replaced No.		Shippingport, P	A 15077		M	WR #07	<b>'</b> 6058	
Shippingport, PA 15077 Authorization No. N/A    Expiration Date		(ADDRESS)			REPAIR ORGANI	ZATION P.C	). NO., JOB NO.,	ETC.
Identification of System	. Work Perfo	ormed By _DLCc	ms Typ	pe Code Symbo	l Stamp	Not A	policable	
Identification of System		Shippingport, P.	Au	thorization No.		N/A		
(a) Applicable Construction Code ANSI B31.1  19 67 Edition, S'71 Addenda, N/A Code Case  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E  Identification of Components Repaired or Replaced and Replacements Components  Name of Component Manufacturer Serial No.  National Board Other Year Replaced, Replaced, Component (YES) NG.  Snubber ITT Grinell 12177 N/A SI-PSSP-2 N/A Replaced No.  12177 N/A SI-PSSP-2 N/A Replaced No.  12177 N/A Replaced No.		(,	Ex	piration Date _		*		
(a) Applicable Construction Code ANSI B31.1  19 67 Edition, S'71 Addenda, N/A Code Case  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E  Identification of Components Repaired or Replaced and Replacements Components  Name of Manufacturer Serial No.  National Board Other Replaced, Replaced, Replaced, Component (YEST No.	. Identificatio	on of System	Safety Injection	ı (Class Q2)				
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E  Identification of Components Repaired or Replaced and Replacements Components  Name of Component Name of Manufacturer Serial No. National Board No. Other Identification Peak Replaced or Replacement (YES NC Stam No. SI-PSSP-2 N/A Replacement No. N/A SI-PSSP-2 N/A Replaced No. N/A Replaced No. N/A Replaced No. N/A Replaced No. N/A Replaced N/A N/A N/A N/A N/A N/A N/A N/A N/A Replaced N/A								
Identification of Components Repaired or Replaced and Replacements Components						ddenda, _	<u>N/A</u> Code (	Case
Name of Component Name of Manufacturer Serial No.  National Board Other Identification Built Replaced, or Replaced, or Replacement (YES NC)  Snubber ITT Grinell 12177 N/A SI-PSSP-2 N/A Replaced No.  "" 9188 "" Replaced ""							i	-
Name of Component Name of Manufacturer Serial No.  National Board Other Identification Replaced, or Replaced, or Replaced, or Replacement (YES) NC  Snubber ITT Grinell 12177 N/A SI-PSSP-2 N/A Replaced No.  "" 9188 "" Replaced No. Si-PSSP-2 N/A Replaced No. Replaced	Identification	on of Components	Repaired or Re	placed and Re	placements Con	nponent	S	
Name of Component Name of Manufacturer Serial No. National Board Other Identification Built Replacement (YES NC Snubber ITT Grinell 12177 N/A SI-PSSP-2 N/A Replaced No. No. 1177 Grinell 12177 N/A SI-PSSP-2 N/A Replaced No. 1177 Grinell 12177 N/A Replaced No. 1177 Grinell 12177 N/A SI-PSSP-2 N/A Replaced N/A SI-PSSP-2 N/A SI-PSSP-2 N/A Rep			•		T	T		ASMI
Snubber ITT Grinell 12177 N/A SI-PSSP-2 N/A Replaced No.							or	Code 'Stampe (YES
" " 9188 " " Replace- "						-		NO)
9188 " " Replace- "	Snubber	ITT Grinell	12177	N/A	SI-PSSP-2	N/A	Replaced	No
	46	46	9188	66	44	66	1 ' 1	46
				`.				
								·····
		**	9188	66	68	"	1 ' 1	
	····			····			L	
	Doggariation	of Work Replace	ed snubber with	spare for testin	g purposes.			
Description of Work Replaced snubber with spare for testing purposes.	Description							
Description of Work Replaced snubber with spare for testing purposes.	Description							
Description of Work Replaced snubber with spare for testing purposes.	Description					<del></del>		
Description of Work Replaced snubber with spare for testing purposes.  *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure		ducted: Hydros	tatic $\square$	eumatic 🖂	Nominal Opera	tina Pro	esura 🗍	

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Date June 23rd 19 99
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 Arkwright Mutual Insurance Co. of  Waltham, Massachusetts have inspected the components described in the
2 /3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Common Commissions NB 7504 (N, I) PA2162  National Board, State, Province, and Endorgements
Date June 25, 19 99

Form No.	1106	
FORTH NO.	1100	

1.	1. Owner				ate	08-2	3-99		
	411 Seventh	Avenue - Pittsb (ADDRESS)	urgh, PA 15279	_ s	heet1	of	1		
2.	Plant	Beaver Valley Po	ower Station	υ	nit No.	1	<u> </u>	····	
		Shippingport, PA	15077		MV REPAIR ORGANIZ	VR #076 ation p.o.		ETC.	
3.	Work Perfor	rmed By <u>DLCo</u>	- Maint. Prograi	ms T	ype Code Symbol	Stamp	Not Ar	oplicable	
		Shippingport, PA	15077		uthorization No xpiration Date _				
4.	Identification	n of System	Safety Injection						
	(a) Applicable de Case	Construction Code	ANSI B3	<u>1.1</u> 19 <u>6</u> 7	Edition, S	71	_ Addenda, _	N/A	
6	(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E								
ъ.	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 Buik	Repaired, Replaced, or Replacement	ASME - Code Stamped (YES or NO)	
	Snubber	ITT Grinell	VB-10899B-1- SP	N/A	SI-PSSP-67C	N/A	Replaced	No	
	10		VB-6823B-1- SP	н	*	*	Replace- ment	n	
	• . `				<b>,</b>		·		
				, ,	•				
7.	Description	of Work Replac	eed snubber with	spare for tes	ting purposes				
8.	8. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Si
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>Arkwright Mutual Insurance Co.</u> of
Waltham, Massachusetts have inspected the components described in the
Owner's Report during the period 2/5/99 to 8/24/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Cincol Commissions NB7509 (NJ) PA2162  Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date <u>Aug 24</u> , 19 <u>99</u>

Form No.	1107	
CORILINO.	1107	

===										
1.	Owner	Duquesne Light	Company	Dat	е	08-2	3-99			
	411 Sevent	h Avenue - Pittsb (ADDRESS)	urgh, PA 15279	She	eet <u>1</u>	of		1		
2.	Plant	Beaver Valley Po	ower Station	Uni	t No		1			
		Shippingport, PA	15077		MV	VR #07	6060			
		(ADDRESS)			REPAIR ORGANIZ	ATION P.O.	NO., JOB NO.,	ETC.		
3.	Work Perfo	rméd By <u>DLCo</u>	- Maint. Progra	ams Typ	e Code Symbol	Stamp	Not A	oplicable		
		Shippingport, PA	15077	Aut	horization No		N/A			
		(ADDRESS)		Exp	oiration Date _			· 		
4.	4. Identification of System Safety Injection (Class Q2)									
	5. (a) Applicable Construction Code <u>ANSI B31.1</u> 19_67 Edition, <u>S'71</u> Addenda, <u>N/A</u>									
		Edition of Section XI	Utilized for Repairs	s or Replacements	1989E					
6.	6. Identification of Components Repaired or Replaced and Replacements Components									
	Name of Component	Name of • Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME - Code - Stamped (YES or NO)		
	Snubber	ITT Grinell	12168	N/A	SI-HSS-516B	N/A	Replaced	No		
	11	19	23525	•	н	,	Replace- ment	"		
•	<b>* *</b> * * *		•	·						
					. , ,	٠,				
7.	Description	of Work Replac	ed snubber with	n spare for testin	g purposes					
8.	8. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A									

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Saylor Ey. Date August 23rd , 19 99
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 Arkwright Mutual Insurance Co. of
Waltham, Massachusetts have inspected the components described in the Owner's Report during the period 2/5/99 to 8/24/99, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB 7509 (NJ) PA2162  Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date <u>Aug</u> 24, 19 99

Form No.	1108	
romino.	1100	

-									
1.	Owner	Duquesne Light	Company		Date		08-2	3-99	-
	411 Seventh	Avenue - Pittsb (ADDRESS)	urgh, PA 15279	<del>_</del> ;	Sheet	1	of	:	<u> </u>
2.	Plant	Beaver Valley Po	ower Station		Unit No	) <b>.</b>		1	
		Shippingport, PA	15077			MV	/R #07	6062	
		(ADDRESS)				REPAIR ORGANIZA	TION P.O.	NO., JOB NO.,	ETC.
3.	3. Work Performed By <u>DLCo - Maint. Programs</u> Type Code Symbol Stamp <u>Not Applicable</u>						policable		
		Shippingport, PA	15077		Authori	zation No		N/A	····-
		(ADDRESS)			Expirati	ion Date		*	
4.	Identification	n of System	River Water (C	lass Q3)					·
	(a) Applicable de Case	Construction Code	ANSI B3	<u>1.1</u> 19 <u>(</u>	67	Edition, <u>\$7</u>	1	_ Addenda,	N/A
		Edition of Section XI	Utilized for Repairs	or Replaceme	nts <u>198</u>	9E			
6.	Identification	n of Components	Repaired or Re	placed and	Replac	ements Com	ponent	S	
								Repaired, Replaced,	ASME Code
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	1	Other Identification	Year Built	or Replacement	Stamped (YES or NO)
	Snubber	ITT Grinell	25917	N/A	W	/R-HSS-302	N/A	Replaced	No
	19	10	25919	*		,,	**	Replace- ment	**
7.	7. Description of Work Replaced snubber with spare for testing purposes								
8.	8. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. •F *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Live Suiz Ey. Date August 23rd , 19 99
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 Arkwright Mutual Insurance Co. of  Waltham, Massachusetts have inspected the components described in the
Owner's Report during the period 2/5/99 to 8/23/99, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoeld Commissions NB 7509 (N, I) PA 2/62  National Board, State, Province, and Endorsements
Date <u>Aug</u> 23, 19 99.

Form No.	1110	
COUNTINO.	1110	

1. Owner	Duquesne Ligh	t Company	D	ate	08-	23-99	
411 Seven	th Avenue - Pitts	burgh, PA 15279	<u>)</u> s	heet 1	c	of	1
	(AODRESS)			<del></del>	`	·· ———	<del>.'</del>
2. Plant	Beaver Valley F	Power Station	υ	nit No.		1	
	Shippingport, P	A 15077		RAI.	NR #07	76064	
	(ADDRESS)			REPAIR ORGANIZ	ATION P.C	). NO., JOB NO.	. ETC.
3. Work Perfo	ormed By <u>DLC</u> o	o - Maint. Progra	ams Ty	pe Code Symbol	Stamp	Not A	oolicable
	Shippingport, P.	A 15077	Ai	uthorization No		N/A	
	(ADDRESS)			cpiration Date _			
4. Identification	on of System _	Component Co	poling (Class C	(3)		· · · · · · · · · · · · · · · · · · ·	
5. (a) Applicable	Construction Code	ANSI B	3 <u>1.1</u> 19 <u>67</u>	Edition, _ST	71	Addenda,	N/A
(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E			
o. Identificatio	n or components	hepaired or he	epiaced and He	eplacements Com	ponent	S	
						Repaired.	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Replaced, or Replacement	Code Stamped (YES or
					<u> </u>		NO)
Snubber	Pacific Scientific	14908	N/A	CC-HSS-21A	N/A	Replaced	No
**************************************	Scientific						}
"	н	9651	**			Replace-	**
· · · · · · · · · · · · · · · · · · ·						ment	
	``						
		,	•	, ;			
							<del></del>
			•				
7. Description	of Work Replace	ed snubber with	spare for testir	ng purposes			
			•				
8. *Tests Cond	lucted: Hydros	tatic Pne	eumatic 🔲	Nominal Operat	ina Pre	ssure 🗆	
	Other 🗌	<del>-</del>	psi				*N/A
•				•		· ·	

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Street. Date August 23rd 19 99
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 Arkwright Mutual Insurance Co.
have inspected the components described in the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB 7509 (NJ) PA2/62  National Board, State, Province, and Endorsements
Date <u>Aug 24</u> , 19 <u>99</u>

Form No.	1111	
TOTAL NO.	1111	

		<del></del>					
1. Owner _	Duquesne Ligh	nt Company	Da	ite	06-	22-99	
411 Sever	nth Avenue - Pitts (ADDRESS)	burgh, PA 15279	)Sh	eet <u>1</u>		of	1
2. Plant	·	Power Station	Un	it No		1	
	Shippingport, P	A 15077		l.a	MD #05	*****	
	(ADDRESS)	<u> </u>		REPAIR ORGANIZ	VR #07	0, NO., JOB NO.,	ETC.
3. Work Perf	ormed By <u>DLC</u>	O - Maint. Progra	ıms Typ	oe Code Symbol	Stamp	Not A	policable
	Shippingport, P	A 15077	Au	thorization No		N/A	
	(ADDRESS)			oiration Date _			
4 - Enlandres de		_					
I. Identification	on of System _	Steam Genera	tor Blowdown (	Class Q2)		<del> </del>	
. (a) Applicabl	e Construction Code	ANSI B31.1	19 <u>67</u> Edit	tion, <u>S'71</u> Ad	idenda.	N/A Code	Case
(b) Applicable	e Edition of Section X	I Utilized for Repairs	or Replacements	1989E			<i>5</i> 43 <b>6</b>
	on of Component				ponent	s :	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	Pacific Scientific	16927	N/A	WGCB-PSSP-55H	N/A	Replaced	No
66	46	20932		44	66	Replace- ment	44
·							
· · ·			•				
				·	·		
Description	of Work Replac	ed snubber with s	spare for testing	1 purposes,			
*Tests Cond	ducted: Hydros Other 🗍		eumatic  psi	Nominal Operati		ssure []	*N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
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.  Repair Or Replacement conforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Si
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 Arkwright Mutual Insurance Co. of  Waltham, Massachusetts have inspected the gomponents described in the
Owner's Report during the period 2/5/99 to 6/30/99, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimor Commissions NB7509 (N,I) PA 2162  National Board, State, Province, and Endorsements
Date June 30, 19 99

Form No.	1112	
1 01111 110.		

_								
1.	Owner	Duquesne Light	Company	Da	te	08-	27-99	
	411 Sevent	h Avenue - Pittst	ourgh, PA 15279	She	eet <u>1</u>	c	of	1
2.	Plant	Beaver Valley P	ower Station	Uni	it No		1	
		, ,	A 15077		MV	VR #07	6067	
		(ADDRESS)			REPAIR ORGANIZ	ATION P.O	). NO., JOB NO.	, ETC.
3.	Work Perfo	rmed By <u>DLCo</u>	- Maint. Progra	ms Typ	e Code Symbol	Stamp	Not A	Applicable
		Shippingport, PA	<u> 15077</u>	Aut	horization No		N/A	
		(ADDRESS)		Exp	oiration Date _		н	
4.	Identification	n of System _	Blowdown (Cla	ss Q2)		· · · · · · · · · · · · · · · · · · ·		
5. Cod	(a) Applicable de Case	Construction Code	ANSI B3	11.1 19 <u>67</u>	Edition, <u>\$7</u>	1	Addenda,	N/A
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E			
6.	Identification	n of Components	Repaired or Re	placed and Rep	placements Com	ponent	s	
	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	28648	N/A	WGCB-PSSP- 101	N/A	Replaced	No
	19	**	16257	11	<b>10</b>	æ	Replace- ment	11
						·		
7.	Description o	of Work <u>Replace</u>	ed snubber with	spare for testing	purposes			
		<del></del>						
			_					
<b>3.</b> '	*Tests Cond	ucted: Hydros Other 🗌		eumatic 🗌 psi	Nominal Operat Test Temp.		ssure 🗌	*N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
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.  Replacement conforms
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Sexual Ey. Date August 27th 19 99
CERTIFICATE OF INSERVICE INSPECTION
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>Arkwright Mutual Insurance Co</u> , of
Waltham, Massachusetts have inspected the components described in the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Como Signature  Commissions NB 7509 (N, I) PA 2162  National Board, State, Province, and Endorsements
Date

Form No.	1113	

				· · · . · . · . · · · · · · ·				
1.	Owner	Duquesne Light	Company	Da	te	08-	23-99	
	411 Sevent	h Avenue - Pittst	ourgh, PA 15279	<u>)</u> Sh	eet1	c	of	1
2.	Plant	Beaver Valley P	ower Station	Un	it No.		1	
		Shippingport, P.	A 15077		M\	VR #07	6068	_
		(ADDRESS)			REPAIR ORGANIZ	ATION P.C	). NO., JOB NO.,	ETC.
}.	Work Performed By <u>DLCo - Maint. Programs</u> (NAME)				oe Code Symbol	Stamp	Not A	policable
		Shippingport, PA	A 15077	Au	thorization No		N/A	
		(ADDRESS)		Exp	oiration Date _		н	
٠.	Identificatio	n of System _	Component Co	ooling (Class Q	3)			
	(a) Applicable de Case	Construction Code	ANSI B	3 <u>1,1</u> 19 <u>67</u>	Edition, S7	71	Addenda,	N/A
•		Edition of Section X	Utilized for Repairs	or Replacements	1989E			
		n of Components				ponent	s	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
	Snubber	ITT Grinell	22170	N/A	CC-HSS-408	N/A	Replaced	No
-	19	,,	22179	99	10	*	Replace- ment	**
	• • •	• • •					·	
_								
							<u> </u>	

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
——————————————————————————————————————
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Scaper Fun Date August 23rd 19 99
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 Arkwright Mutual Insurance Co. of Waltham, Massachusetts have inspected the components described in the Commer's Report during the period 2/5/99 to 8/25/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509 (NJ) PA 2162.  National Board, State, Province, and Endorsements
Date <u>Aug</u> 25, 19 99

Form	No.	1114	
1 01111	110.	1117	

_									
1.	. Owner Duquesne Light Company			0	Date06-23-99				
	411 Sevent	h Avenue - Pittsl	ourgh, PA 15279	<u> </u>	heet <u>1</u>	0	f	1	
2.	Plant	Beaver Valley F	ower Station	U	nit No.		1		
	Shippingport, PA 15077				M	NR #07	6069		
(ADDRESS)					REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.				
3.	3. Work Performed By <u>DLCo - Maint. Programs</u>			ims T	Type Code Symbol Stamp Not Applicable				
		Shippingport, P.	A 15077	A	uthorization No		N/A		
		(10011200)		E	xpiration Date _				
4.	Identificatio	n of System	Fuel Pool Cool	ling (Class Q3	)				
5.					dition, <u>S'71</u> Ad	idenda, _	N/A Code	Case	
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacement	1989E		;		
6.	Identificatio	n of Components	Repaired or Re	placed and R	eplacements Com	ponent	S		
	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	ITT Grinell	8397	N/A	FC-HSS-201	N/A	Replaced	No	
	<b>46</b>	e£	9187	66	66	"	Replace- ment	66	
7.	Description	of Work Replac	ed snubber with	spare for test	ng purposes.	1			
3.	. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. **OF *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
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.  Repair Or Replacement conforms
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed Signed Super Step Date June 23rd , 19 99
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
the undersigned holding a valid commission issued by the National Record of Relice and Record Manager to
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 Arkwright Mutual Insurance Co.
Waltham, Massachusetts have inspected, the corponents described in the
Owner's Report during the period $\frac{2/5/99}{}$ to $\frac{6/24/99}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Comoch Commissions NB 7509 (N, I) PA 2162  National Board, State, Province, and Endorsements
Date June 24, 19 99

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Form	No.	1115	

=									
1.	. Owner Duquesne Light Company			Da	Date06-23-99				
	411 Sevent	th Avenue - Pittst	ourgh, PA 15279	<u>)</u> Si	neet1	0	ıf	1	
2.	Plant	Beaver Valley P	ower Station	Ur	nit No.		1		
		, <del>-</del> ,	<b>A</b> 15077		NAN	VR #07	'6070		
	Shippingport, PA 15077 (ADDRESS)				REPAIR ORGANIZ	ATION P.O	. NO., JOB NO.,	ETC.	
3.	B. Work Performed By <u>DLCo - Maint. Programs</u> (NAME)			<u>ams</u> Ty	Type Code Symbol Stamp Not Applicable				
		Shippingport, PA	A 15077	Au	ıthorization No		N/A		
		(ADDRESS)		Ex	piration Date _		н		
4.	Identificatio	n of System	Residual Heat						
5.	(a) Applicable	Construction Code	ANSI B31.1	19 <u>67</u> Ed	lition, <u>S'71</u> Ac	idenda.	N/A Code (	Case	
		Edition of Section XI							
6.	Identificatio	n of Components	Repaired or Re	pplaced and Re	placements Com	ponent	; <b>s</b>		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	25483	N/A	RH-HSS-110	N/A	Replaced	No	
	66	**	30756	44	64	66	Replace- ment	66	
	· ·		-						
-									
					<u> </u>				
				•					
7.	Description -	of Work Replace	ed snubber with	spare for testir	ng purposes.				
		-							
3.	*Tests Cond	lucted: Hydros	tatic Pn	eumatic 🔲	Nominal Operat	ing Pre	ssure 🔲		
		Other 🔲	Pressure _	psi	Test Temp.		°F	*N/A	

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
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.  Replacement conforms
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Auch Sr. Eyr. Date June 23rd , 19 99
CEDTIFICATE OF WATER
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 Arkwright Mutual Insurance Co. of
have inspected the components described in the
Owner's Report during the period $\frac{2/5/99}{}$ to $\frac{6/24/99}{}$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB 7509 (N, I) PA 2162  Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date <u>fune</u> 24 , 19 99

Form No.	
FORM NO	1116
1 01111 110.	

1.	Owner	Duguesne Ligh	t Company	Da	ate	06-	23-99		
	411 Seven	th Avenue - Pittsl (ADDRESS)	ourgh, PA 15279	<u> </u>	neet1	0	of	1	
2.	Plant	Beaver Valley F	ower Station	Ur	nit No.		1	·	
		Shippingport, P.	A 15077		REPAIR ORGANIZ	VR #07	6071 NO., JOB NO.,	ETC.	
3.	Work Perfo	ormed By <u>DLC</u> o	- Maint. Progra	ıms Ty	Type Code Symbol Stamp Not Applicable				
		Shippingport, P.	A 15077	Au	thorization No		N/A		
	(ADORESS)				piration Date		<b>H</b>		
	f = f = A267 = A2				_				
4.	Identificatio	n of System	Residual Heat	Removal (Clas	s Q2)	<del></del>			
5.	(a) Applicable	Construction Code	ANSI B31.1	19 <u>67</u> Edi	ition, <u>S'71</u> Ac	idenda, _	N/A Code	Case	
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E				
3.	Identificatio	n of Components	Repaired or Re	placed and Re	placements Com	ponent	<b>s</b>		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other [dentification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	VB-7360	N/A	RH-HSS-114	N/A	Replaced	No	
	44	46	9153	46	64		Replace- ment	44	
,	Description	of Work <u>Replac</u>	ed snubber with	spare for testin	ng purposes.	<u> </u>			
<b>}.</b> '	*Tests Cond	ducted: Hydros		eumatic 🔲	Nominal Operat	•		*N/A	

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Scale Ey. Date June 23rd 19 99
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 Arkwright Mutual Insurance Co. of Waltham, Massachusetts have inspected the components described in the
Owner's Report during the period 2/5/99 to 6/24/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cincol Commissions NB7509 (NI) PA 2162  National Board, State, Province, and Endorsements
Date June 24, 19 99

Form No. <u>1117</u>
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_				····			· · · · · · · · · · · · · · · · · · ·			
1.	Owner	Duquesne Ligh	t Company	D:	ate	06-	23-99			
	411 Sevent	th Avenue - Pittsl	ourgh, PA 15279	<u> </u>	neet1	o	of	1		
2.	Plant	Beaver Valley F	Power Station	Uı	nit No.		1			
	·	Shippingport, P	A 15077		MWR #076072					
		(ADDRESS)			REPAIR ORGANI	ZATION P.O	. NO., JOB NO.	ETC.		
3.	. Work Performed By <u>DLCo - Maint. Programs</u> (NAME)				Type Code Symbol Stamp Not Apolicable					
		Shippingport, P	A 15077	Αι	thorization No.		N/A			
		(ADDRESS)		Ex	piration Date					
4.	Identification of System Residual Heat Removal (Class Q1)									
5.	(a) Applicable	Construction Code	ANSI B31.1	19 67 Fd	lition S'71 A	ddanda	N/A Code	Cooo		
		Edition of Section X				oueroa, _	IVA CODE	Case		
6	6. Identification of Components Repaired or Replaced and Replacements Components									
	- Identification of Components Repaired of Replaced and Replacements Components									
	Name of Name of Manufacturer National Board Other Year Replaced, Code Component Manufacturer No Identification Built Replacement (YES or NO									
	Snubber	ITT Grinell	8189	N/A	RH-HSS-124	N/A	Replaced	No		
	46	66	31970	44	44	64	Replace- ment	"		
								-		
			••		•					
				: <b>*</b> • •	• • • •					
7.	Description	of Work <u>Replac</u>	ed snubber with	spare for testin	ng purposes.					
	•									
8.	*Tests Cond	lucted: Hydros		eumatic 🗌	Nominal Opera	-				
	Other Pressure psi Test Temp. F *N/A									

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed — June 23rd , 19 99 Owner or Owner's Designee, Title
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
Waltham, Massachusetts have inspected the asserted the as
Owner's Report during the period $\frac{2}{5}$ / $\frac{9}{9}$ to $\frac{6}{2}$ / $\frac{5}{9}$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB 7509 (N, I) PA 2162  National Board, State, Province, and Endorsements
Date June 25, 19 99

Form	No.	1118	
1 01111	110.		

_								3	
1.	Owner	Duquesne Light	Company	<del>_</del>	Date	06-	22-99		
	411 Sevent	th Avenue - Pittst	ourgh, PA 15279	_	Sheet	<u>1</u> c	of	1	
2.	Plant	Beaver Valley P	ower Station		Unit No.	7	1		
		Shippingport P.	A 15077			#\#\D #\^=	26072		
		(ADDRESS)	X 10077		REPAIR ORGA	NWR #07	0. NO., JOB NO.,	ETC.	
3.	Work Performed By <u>DLCo - Maint. Programs</u> (NAME)			ms	Type Code Symbol Stamp Not Applicable				
	Shippingport, PA 15077				Authorization NoN/A				
	(ADDRESS)				Expiration Date "				
4.	Identificatio	n of System _	Recirculation S	nray (Class	O2)				
••			ricomodiation o	Diay (Olass	<u>(42)</u>	<del></del>			
5.	(a) Applicable	Construction Code	ANSI B31.1	19 <u> 67</u>	Edition, S'71	Addenda, _	N/A Code	Case	
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replaceme	nts <u>1989E</u>				
_	lala mäidia mäim								
ο.	. Identification of Components Repaired or Replaced and Replacements Components								
	Name of Component	Name of Manufacturer		National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or	
	Snubber	ITT Grinell	8873	N/A	RS-HSS-209A	N/A	Replaced	No.	
				· · · · · · · · · · · · · · · · · · ·					
	66		8402	44	46	64	Replace- ment	46	
-				7	-				
						_			
						<u> </u>	<u>i</u>		
-									
•	Description	of Work <u>Heplace</u>	ed snubber with s	spare for tes	sting purposes.	<del></del>			
	*Toete Cond	luotode Hudess	tatio [] D	umatic [7	Namia - 1 Octob	-N D:::			
>.	*Tests Cond			eumatic 🗌	•			****	
	Other Pressure psi Test Temp °F *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
,
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.  Replacement conforms  Replacement conforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed
Owner or Owner's Designee, Title V
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 of Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of
Owner's Report during the period 2/5/99 to 6/29/99, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Comoch commissions N87509(NI) PA2162  National Board. State Province and Endocument
Date June 29, 19 99

Form No.	1119	
1 01111 110.	1113	

1.	Owner	Duquesne Light	Company	_ c	ate	06-	22-99		
	411 Sevent	h Avenue - Pittsl (ADDRESS)	ourgh, PA 15279	s	heet1	o	f	1	
2.	Plant	Beaver Valley F	ower Station	U	nit No.		1		
	Shippingport, PA 15077 (ADDRESS)				MWR #076074 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.				
3.	Work Performed By <u>DLCo - Maint. Programs</u>				ype Code Symbo	l Stamp	Not A	oplicable	
	Shippingport, PA 15077				uthorization No.		N/A		
	(ADDRESS)				Expiration Date				
4.	l. Identification of System Recirculation Spray (Class Q2)								
5.	(a) Applicable	Construction Code	ANSI B31.1	19 <u>67</u> E	dition, <u>S'71</u> A	ddenda,	N/A Code	Case	
		Edition of Section X				_			
6.	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 Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	25881	N/A	RS-HSS-210A	N/A	Replaced	No	
	44	46	22185	55	"	66	Replace- ment	<b>56</b>	
				`	•		,		
7.	Description	of Work <u>Replac</u>	ed snubber with	spare for test	ng purposes.			-	
8.	. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A								

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes. Previous NIS-2
Code Data Report No. 469.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed KUSTE Service Ever Date June 22nd 19 99
CEPTIFICATE OF INCEPTION
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 Arkwright Mutual Insurance Co. of
Owner's Report during the period 2/5/99 to 6/3/5/99
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509 (N,I) PA 2/62 Inspector's Signature Commissions NB7509 (N,I) PA 2/62 National Board, State, Province, and Endorsements
Date June 25, 19 99

Form No	1120	
Form No.	1120	

_									
1.	Owner	Duquesne Light	Company	!	Date .		08-2	3-99	
	411 Sevent	h Avenue - Pittsb (ADDRESS)	urgh, PA 15279	_ :	Sheet	1	of		
2.	Plant	Beaver Valley Po	ower Station		Unit No.	<del></del>		<u> </u>	
		Shippingport, PA	A 15077			MΜ	/R #07	3075	
		(ADDRESS)		<u> </u>	F	EPAIR ORGANIZA			ETC.
3.	3. Work Performéd By <u>DLCo - Maint. Programs</u>				Type Code Symbol Stamp Not A				oplicable
		Shippingport, PA	15077		Authoriz	ation No		N/A	
		(ADDRESS)			Expiration	on Date			
				'					
4.	Identification	n of System _	Safety Injection	(Class Q2)					· .
	5. (a) Applicable Construction CodeANSI B31.1 19_67Edition, _S'71Addenda, _N/ACode Case								
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replaceme	nts <u>1989</u>	<u>E</u>			
6.		n of Components					ponent	<b>S</b>	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
•	Snubber	ITT Grinell	VB-6794B	N/A	SI	-PSSP-60D	N/A	Replaced	No
-	19		10162	н		99	10	Replace- ment	н
7.	Description	of Work Replac	ed snubber with	spare for te	sting pu	rposes			
8.	*Tests Con	ducted: Hydro: Other	<del>_</del>	neumatic 🗌		minal Opera Fest Temp.	-		*N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed - LUCE Service Date August 23rd , 19 99
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Arkwright Mutual Insurance Co.">Arkwright Mutual Insurance Co.</a> of
Waltham, Massachusetts , have inspected the components described in the
Owner's Report during the period 2/5/99 to 2/23/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509(NI) PA2162 Inspector's Signature Commissions NB7509(NI) PA2162
Date <u>Aug</u> 23, 19 99.

Form No1121	
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							<del></del>
1. Owner	Duquesne Ligh (NAME)	t Company	Da	ite	06-	22-99	
411 Sevent	h Avenue - Pitts	ourgh, PA 15279	9_ Sh	eet <u>1</u>		of	1
0.00							
2. Plant	Beaver Valley F	ower Station	Un	it No.	<del>-</del>	1	<del> </del>
·	Shippingport, P.	A 15077		REPAIR ORGANIZ	VR #07	76076	FIC
3. Work Perfo	rmed By <u>DLC</u> c	- Maint. Progra	ams Ty	oe Code Symbol			policable
	Shippingport, P	A 15077	Au	thorization No	····	N/A	
	(ADDRESS)		Ex	oiration Date _		н	
4. Identification	n of System _	Safety Injection	n (Class Q2)		_		
	Construction Code				denda, _	N/A Code	Case
	Edition of Section X					;	
i. Identification	n of Components	Repaired or Re	eplaced and Rep	placements Com	ponent	S	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Snubber	ITT Grinell	12749	N/A	SI-PSSP-337	N/A	Replaced	No
66	44	22171	46	46	66	Replace- ment	64
•	•	.`					-
• .			, ;				
Description of	of Work <u>Replace</u>	ed snubber with	spare for testing	purposes.			
. *Tests Cond	ucted: Hydrosi		eumatic 🔲	Nominal Operat	•	ssure 🔲	*N/A

<ol> <li>Remarks No Code Data Report. Snubber replaced with spare for testing purposes.</li> </ol>
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Super or Owner's Designee, Title Date June 22nd 19 99
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 of Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of
Owner's Report during the period 2/5/99 to 6/30/99, 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 increases and his applicant
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB 7509 (NI) PA 2162
Date June 30, 19 99

Form N	lo1	122

			o and the second se					
1.	Owner	Duquesne Ligh	t Company	Da	ate	06-	22-99	
	411 Seveni	th Avenue - Pitts (ADDRESS)	burgh, PA 15279	_ Sh	neet1	c	of	1
2.	Plant		Power Station	Un	nit No.		1	
	(NAME) Shippingport, PA 15077							
	<del></del>	(ADDRESS)	A 15077		REPAIR ORGANIZ	NR #07	6077 D. NO., JOB NO.,	ETC.
3.	B. Work Performed By DLCo - Maint. Programs (NAME)				pe Code Symbol	Stamp	Not A	policable
		Shippingport, P	A 15077	Au	thorization No		N/A	
		(ADDRESS)		Ex	piration Date _		н	
4.	Identificatio	n of System	Safety Injection	(Class O2)				
			-	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	
					tion, <u>S'71</u> Ac	idenda, _	N/A Code	Case
			I Utilized for Repairs		_			
6.	Identification	n of Component	s Repaired or Re	placed and Re	placements Com	ponent	s '	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
	Snubber	ITT Grinell	8806	N/A	SI-HSS-523A	N/A	Replaced	No
	64	66	12174	S.E.	46	"	Replace- ment	66
		<u> </u>						
<u></u>								
				•				
7.	Description (	of Work <u>Replac</u>	ed snubber with	spare for testin	g purposes.	•		<del></del>
		· · · · · · · · · · · · · · · · · · ·						-
		,	•					
i. '	Tests Cond	lucted: Hydros	static 🗌 Pne	eumatic 🔲	Nominal Operat	ing Pre	ssure 🔲	
		Other [	Pressure	psi	Test Temp.		°F	*N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Super Ever Date June 22nd 19 99
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 of Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of
Owner's Report during the period 2/5/99 to 6/29/99 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.
Boletons Commissions NB7509(NI) PA2162  Inspector's Signature Commissions NB7509(NI) PA2162
Date June 29, 19 99

_		
Form No.	1123	

_									
1.	Owner	Duquesne Ligh	t Company	<u> </u>	Da	te	08-	23-99	
	411 Seven	th Avenue - Pitts	burgh, PA 15279	9	Sh	eet1		of	1
		(ADDRESS)						<del> </del>	
2.	Plant	Beaver Valley F	Power Station		Un	it No.		1	
		Shippingport P	A 15077			1.41	ND "0"	10070	
	Shippingport, PA 15077 (ADDRESS)					REPAIR ORGANIZ	NR #07	0. NO., JOB NO.	, ETC.
3.	B. Work Performed By <u>DLCo - Maint. Programs</u>			ams	Time Code Comb at Observe				
		Shippingport P	A 15077		Aut	horization No		NI/A	
		(ADDRESS)	110077			-			
					Ext	piration Date _	·		
4.	Identificatio	n of System _	Feed water (C	iass Q2)		······································			·
5. Co	(a) Applicable	Construction Code	ANSI BS	<u>31.1</u> 19	67	Edition, <u>\$7</u>	<u>'1</u>	Addenda,	N/A
		Edition of Section X	I I Milimani dan Camaian						
6.	Identificatio	n of Components	Repaired or Re	eplaced and	Rep	placements Com	ponent	s	
								Repaired,	ASME
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boa No.	rd	Other Identification	Year Buik	Replaced, or Replacement	Code Stamped (YES or
	Snubber	ITT Grinell	8836	N/A		WFPD-HSS-210	N/A	Replaced	No)
	10	17	8376	H		н	"	Replace- ment	"
				<u></u>					<del></del>
									<del></del>
				•					
7.	Description (	of Work Replace	ed snubber with	spare for te	sting	purposes		<del></del>	
3. <b>'</b>	Tests Cond	ucted: Hydros	tatic Pne	eumatic 🗀		Nominal Operati	ina Pre	ssure 🗀	
		Other 🔲				Test Temp.	-		*N/A
								<del></del> '	

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed August 23rd , 19 99
CERTIFICATE OF INSERVICE INSPECTION
The state of modified marketing
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
Maltham Marker and employed by Arkwright Mutual insurance Co. of
Owner's Report during the period 2/5/99 to 8/26/99
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.
Ordert Comoch Commissions NB7509 (NI)PA 2162  Inspector's Signature Commissions NB7509 (NI)PA 2162
Date <u>Aug. 26</u> , 19 99

Corres No.	4404	
Form No.	1124	

=	نيد تعبير								
1.	Owner	Duquesne Light	Company	Da	ite	06-2	22-99		
	411 Sevent	th Avenue - Pittst (ADDRESS)	ourgh, PA 15279	_ Sh	eet <u>1</u>	o	of	1	
2.	Plant	Beaver Valley P	ower Station	Un	it No.	····	1	<del></del>	
	Shippingport, PA 15077 (ADDRESS)			- <u>-</u>	MWR #076081 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.				
3.	3. Work Performed By <u>DLCo - Maint. Programs</u>				pe Code Symbol				
		Shippingport, P	A 15077	Au	thorization No		N/A		
		(ADDRESS)			piration Date				
4.	Identificatio	n of System	River Water (C						
5.	(a) Applicable	Construction Code	ANSI B31.1	19 67 Edi	tion. S'71 Ad	denda.	N/A Code (	Case	
		Edition of Section X				_	<u></u>		
6.	Identificatio	n of Components	Repaired or Re	placed and Re	placements Com	ponent	s		
	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	ITT Grinell	8177	N/A	WR-HSS-304B	N/A	Replaced	No	
	66	"	8179	44	46	66	Replace- ment	46	
		,							
				·					
				<del></del>	<u> </u>				
7.	Description	of Work Replac	ed snubber with	spare for testin	g purposes.				
						<del></del>	<u> </u>		
3.	*Tests Cond	ducted: Hydros Other	tatic Pne		Nominal Operat			*N/A	

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed St. Eng., Date June 22nd 19 99
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 Arkwright Mutual Insurance Co. of National Report during the period 2/5/99 to 6/23/99, and state that to the best of my knowledge and belief, the Owner has performed oversignts.
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.
Bobert Commissions NB7509 (N,I)PA2162  National Board, State, Province, and Endorsements
Date June 23 , 19 99

Form No.	1125	

_								
1.	Owner	Duquesne Light	Company	Da	te	06-	23-99	
	411 Sevent	th Avenue - Pittst (ADDRESS)	ourgh, PA 15279	Sh	eet1	c	f	1
2.	Plant	Beaver Valley P	ower Station	Un	it No.	<del></del>	1	<del></del>
	Shippingport, PA 15077 (ADDRESS)				M\ REPAIR ORGANIZ	VR #07	6082 . NO., JOB NO.,	ETC.
3.	3. Work Performed By <u>DLCo - Maint. Programs</u>				pe Code Symbol	Stamp	Not A	policable
		Shippingport, PA	A 15077	Aut	thorization No		N/A	
		(ADDRESS)			piration Date _			
4.	Identification	n of System _	River Water (C	lass Q3)				
	(b) Applicable	Construction Code Edition of Section XI n of Components	Utilized for Repairs	or Replacements	1989E			Case
	Name of	Name of	Manufacturer	National Board			Repaired, Replaced,	ASME Code
	Component	Manufacturer	Serial No.	No.	Other Identification	Year Built	or Replacement	Stamped (YES or NO)
	Snubber	ITT Grinell	8838	N/A	WR-HSS-313	N/A	Replaced	No
	64	46	8773	66	46	"	Replace- ment	**
·.	Description (	of Work Replace	ed snubber with	spare for testin	g purposes.			
3.	*Tests Cond	•	tatic  Pno		Nominal Operat			*N/A

9. Remarks No Code Data Report. Snubber replaced with spare for testing purposes.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Hute Sr. Europe Date June 23rd 19 99 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 <u>Pennsylvania</u> and employed by <u>Arkwright Mutual Insurance Co.</u> of Waltham, Massachusetts have inspected,the components described in the
Owner's Report during the period $\frac{2/5/99}{}$ to $\frac{6/24/99}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this  Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509 (N,I) PA 2162  Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date June 24, 19 99

Form No	o. 1141	
COHHING	J. 1141	

(NAME)	ight Company	Da	to.					
411 Seventh Avenue - P				Date05-05-2000				
(ADDRESS)	ittsburgh, PA 15279	<u> </u>	eet1_	o	f			
2. Plant Beaver Valle	y Power Station	Uni	it No.		1			
, ,	D1 454							
Shippingport  (ADDRESS)		REPAIR ORGANIZA	VR #07	4908 NO. JOB NO.	FTC			
3. Work Performed By <u>DI</u>	Тур	pe Code Symbol	•		oplicable			
Shippingport		Aut	thorization No		N/A			
(ADDRESS)		Exp	oiration Date _					
4. Identification of System	Reactor Coola	nt (Q1)						
5. (a) Applicable Construction Co	ode <u>Section</u>	<u>                                     </u>	tion, <u>S'68</u> Ad	denda, _	Code Ca	ıse		
(b) Applicable Edition of Section			****					
6. Identification of Compone	ents Repaired or Re	placed and Rep	placements Com	ponent	s			
Name of Name of Component Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
Relief Valve Target Rock	k 1	N/A	RV-1RC-551C	1973	Replaced	Yes		
Relief Valve Target Rock	k 5	N/A	RV-1RC-551C	1995	Replace- ment	Yes		
Main Stem Target Rock	k 11	N/A	Ht #95578	1993	Replace- ment	No		
7. Description of Work Reg	placed valve with sp	are. The main	stem was replace	ed on th	ne spare pr	ior to		
in	stallation.							
B. Tests Conducted: Hyd		eumatic 🗌	Nominal Operation					

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report Nos: 594, 313, 262. Valve
was replaced with a spare for testing purposes. Valve S/N 5 was refurbished at Wyle Laboratories
by Target Rock under DLCo P.O. #D169137 during which the main stem and piston were replaced.
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.  Replacement conforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed Swiner or Owner's Designee, Title Date May 8th , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>Factory Mutual Insurance Co.</u> of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 4/8/00 to 6/2/00, 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.
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

2

1.	Owner	Duquesne Ligh	t Company	<del></del>	Date		08-	25-99	
	411 Sevent	th Avenue - Pittsl	burgh, PA 15279	<u>)                                    </u>	Sheet	1	c	of	1
2.	Plant	Beaver Valley F	ower Station		Unit No.			1	
	Shippingport, PA 15077 (ADDRESS)				W.O. #99-202900-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.				
3.	3. Work Performed By <u>DLCo - Maint. Programs</u>					de Symbo			
		Shippingport D	(NAME)		A				•
		Shippingport, P. (ADDRESS)	A 15077					N/A	
					Expiratio	n Date _		- N	
4.	Identificatio	n of System _	River Water (C	lass Q3)		<del></del>	<del> </del>		
5. Coo	(a) Applicable le Case	Construction Code	ANSI B3	<u>11.1</u> 19	67	Edition, <u>S'</u>	71	_ Addenda,	N/A
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacem	ents <u>1989</u> i	<b></b> _			
6.	Identification	n of Components	Repaired or Re	placed and	Replacer	nents Con	nponent	s	
			· · · · · · · · · · · · · · · · · · ·			7		Repaired,	ASME
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boa No.	1	Other dentification	Year Built	Replaced, or Replacement	Code Stamped (YES or NO)
	Piping	Stone &Webster	N/A	N/A	1	WR-67	1976	Replaced	No
	#	Duquesne Light	**	n		н	1999	Replace- ment	**
		<u> </u>			<u> </u>				
7 1	Docorintian a	of Mark Danies							
, . l	sescription (	of Work Replace	o a snort section	n of pipe di	ie to a pin	nole leak.		<del></del>	
	_		_						
3. 7	Fests Condu	•		umatic 🗌		al Operati			
		Other 🔲	Pressure	<del></del>	psi Te	st Temp.		°F	

9. Remarks No Code Data Reports. The 2" pipe, item #1 on isometric drawing 6.24-1426, was replaced
due to a pinhole leak. Replacement was in accordance with Code Case N-416-1.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Repair Or Replacement
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed August 25th 19 99
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 Arkwright Mutual Insurance Co. of
Waltham, Massachusetts  Owner's Report during the period  3/35/99 to  8/26/99 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
Robert Commissions NB7509(NI) PA 2162 Inspector's Signature Commissions NB7509(NI) PA 2162
Date <u>Aug</u> 26 . 19 99

Form No.	1158	

1. Owner	Duquesne Ligh	t Company	Da	ite	07-	21-99	
411 Sev	enth Avenue - Pitts (ADDRESS)	burgh, PA 15279	<u>)</u> Sh	eet		of	1
2. Plant	Beaver Valley F	Power Station	Un	it No.		1	
	Shippingport, P	A 15077		M REPAIR ORGAN	WR #07	78258	570
3. Work Pe	orformed By <u>DLC</u> c	o - Maint. Progra	ms Ty	oe Code Symbo			
**···	Shippingport, P.	A 15077	Au	thorization No.		N/A	
	(ADDRESS)			oiration Date			
4. Identifica	ition of System _	Main Steam (C				•	
(b) Applica	able Construction Code able Edition of Section X tion of Components	l Utilized for Repairs	or Replacements	1989E			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	c Crane	N/A	N/A	MS-81	N/A	Repaired	No
				· .		·	
	,						***************************************
							- <u>, , , , , , , , , , , , , , , , , , ,</u>
. Descriptio	on of Work <u>Seal we</u>	elded valve hinge	pin plug,				
. Tests Cor	nducted: Hydrost	atic	umatic 🔲 🌐 1	Nominal Operati	-		

9. Remarks No Code Data Report. Previous NIS-2 Data Reports Nos: 997, 907, 665, and 168.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Source Esp. Date July 21st 19 99
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 Arkwright Mutual Insurance Co. of  Waitham, Massachusetts have inspected, the corponents described in the
Owner's Report during the period 4/15/99 to 7/22/99 and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509 (N, I) PA2162  Inspector's Signature Commissions NB7509 (N, I) PA2162
Date July 22, 19 99

Form No.	1159	
FUITH INC.	1100	

1.	Owner	Duquesne Light (	Company	_ Date		07-21	-99	·····	
	411 Sevent	th Avenue - Pittsbu (ADDRESS)	urgh, PA 15279	_ She	et <u>1</u>	of	1		
2.	Plant	Beaver Valley Po	wer Station	Unit	No	1	<u></u>	<del>-</del>	
		Shippingport, PA	15077		MW	R #075	974	70	
		(ADDRESS)			REPAIR ORGANIZA	TION P.U.	NO., JOB NO., 1	=10.	
3.	Work Perfo	ormed By <u>DLCo</u>	- Maint. Program	· ·	e Code Symbol S				
		Shippingport, PA	15077	Auth	norization No		N/A		
		(ADDRESS)			iration Date _				
5.	4. Identification of System Sample System (Q2)  5. (a) Applicable Construction Code B31.1 19 67 Edition, 71 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								
		1.			<u> </u>	T	Repaired,	ASME	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Code Stamped (YES or NO)	
	Tubing	Stone & Webster	N/A	N/A	SS-17	N/A	Repaired	No	
-									
F				<u> </u>					
					<u></u>	<u> </u>	<u></u>	<u> </u>	
7	. Descriptio	on of Work <u>Weld</u>	repaired damage	ed tube.					
8	3. Tests Co	nducted: Hydro:		neumatic   1650 ps	Nominal Opera				

9. Remarks No Code Data Report. Tube (line no. SS-17) was damaged during maintenance activities,
and is downstream of valve BD-14.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed LC & Scale - Fry. Date July 21st, 1999
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 Arkwright Mutual Insurance Co. of
Waitham, Massachusetts have inspected the components described in the
Owner's Report during the period $\frac{4/22/99}{}$ to $\frac{7/27/99}{}$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Common Commissions NB 7509 (N, I) PA2162  National Board, State, Province, and Endorsements
Date July 27, 19 99

Form No.	1160	

1.	Owner	Duquesne Light	Company	_	Date _		06-	17-99	
	411 Sevent	th Avenue - Pittst	ourgh, PA 15279	<u>•</u>	Sheet	1	0	f	1
2.	Plant	Beaver Valley P	ower Station		Unit No.			1	
	Shippingport, PA 15077 (ADDRESS)				RE	MV PAIR ORGANIZ	VR #07	8501 . NO., JOB NO.,	ETC.
3.	. Work Performed By <u>DLCo - Maint. Programs</u>				Туре Со	de Symbol	Stamp	Not A	policable
	***************************************	Shippingport, PA	15077		Authoriza	ition No		N/A	
		(ADDRESS)			Expiratio	n Date _		*	
4.	Identificatio	n of System	River Water (C	lass Q3)	<u></u>				
5. Co	(a) Applicable de Case	Construction Code	ANSI B3	<u>11.1</u> 19_	67	Edition, <u>S'7</u>	1	_ Addenda,	N/A
		Edition of Section XI	Utilized for Repairs	or Replaceme	nts <u>1989</u>	<u> </u>			•
6.	Identification	n of Components	Repaired or Re	placed and	Replacer	nents Com	ponent	S	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boar No.		Other lentification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
	Pipe	Stone & Webster	N/A	N/A		/R-3-1Z um Breaker	1974	Replaced	No
-				<del></del>					
					<del>                                     </del>				
7.	Description	of Work <u>Replace</u>	ed inlet pipe nipp	ole to vaive I	RW-487.		<del></del>	<del></del>	
			······································	· · · · · · · · · · · · · · · · · · ·	<del></del>	<del></del>			
3.	Tests Condu	ucted: Hydrosta Other 🗌		umatic 🔲		ial Operatii st Temp.	_		

9. Remarks No Code Data Report. Inlet pipe nipple to valve was replaced due to a pinhole leak.
Replacement was in accordance with Code Case N-416-1.
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.  Repair Or Replacement conforms
Type Code Symbol Stampper NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Signed Super-Eng. Date June 17th 19 99
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 Prov
and the State or Province of Pennsylvania and employed by Arkwright Mutual Insurance Co. of  Waltham, Massachusetts have inspected the components described in the
Owner's Report during the period 7/25/99 to 6/23/99 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
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Bobet Commissions NB7509 (NJ) PA2162  Inspector's Signature Commissions NB7509 (NJ) PA2162  National Board, State, Province, and Endorsements
Date June 23 . 19 99

Form No.	1169	
FOILI NO.	1109	

1. Owner	F.E.N.O.C.		Date	θ	06-05	-2000	
	fain Street - Akr			et <u>1</u>	of	·	<u> </u>
2. Plant	Beaver Valley P	ower Station	Unit	! No		1	
	Shippingport, P	A 15077		V.O. Nos: 99-20 repair organiz			
3. Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	policable
	Shippingport, PA	A 15077	Auti	horization No		N/A	
· · · · · · · · · · · · · · · · · · ·	(ADDRESS)			iration Date			
			_×b	mation Date _	<del></del>		
4. Identification	n of System _	River Water (C	(3)				
(b) Applicable	Construction Code Edition of Section X n of Components	Utilized for Repairs	or Replacements	1989E			Case
			I		Т	Repaired,	ASMŒ
Name of	Name of	Manufacturer	National Board	Other	Year	Replaced, or	Code Stamped
Component	Manufacturer	Serial No.	No.	Identification	Built	Replacement	(YES or NO)
Gate Valve	Pacific		N/A	IRW-481	1976	Replaced	No
Gate Valve	Vogt	14-215131	N/A	IRW-481	1985	Replace- ment	No
7. Description	of Work Replac	ed valve with a s	spare.				
8. Tests Cond	ucted: Hydros Other [	_	<del></del>	Nominal Operat	-	ssure 🏻	

9. Remarks No Code Data Report available. Replacement was in accordance with Code Case N-416-
Valve was manufactured to ANSI B16.34 and MSS-SP61
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code Section XI.
ype Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Stute Sasza Eug. Date June 12 , 20 00
CERTIFICATE OF INSERVICE INSPECTION  1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the  Owner's Report during the period 9/30/99 to 6/15/60, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Commoch Commissions NB7509 (NJ)PA 2162  National Board, State, Province, and Endorsements
Date June 15, 20 00

Form No.	1170, 1171

1. Owner F.E.N.O.C.			_ Date	Date06-05-2000			
	lain Street - Akro	on, OH 44308	_ She	et <u>1</u>	of	·· <u>1</u>	
2. Plant	Beaver Valley Po	ower Station	Unit	No		1	
	Shippingport, PA	X 15077		W.O. Nos: 9	99-2057 ation p.o.	747-000, -0 NO., JOB NO.,	02 ETC.
3. Work Perfor	med By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	oplicable
Shippingport, PA 15077 (ADDRESS)			<u> </u>	Authorization No. N/A  Expiration Date "			
4. Identification	n of System	River Water (Q	,				
	Construction Code				ldenda, _	N/A Code	Case
	Edition of Section XI				ponents	3	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Pacific		N/A	1RW-486	1976	Replaced	No
Check Valve	Enertech	10886	N/A	1RW-486	1998	Replace- ment	No
7. Description	of Work Replac	ed valve and fitti	ings.				
8. Tests Cond	ucted: Hydros Other	_		Nominal Operat	-		

9. Remarks No Code Data Report available. Replaced valve and fittings in accordance with Code Case
N-416-1, and TER-12651. Valve was manufactured to ANSI B16.34 and 10080-DMS-0251.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Super or Owner's Designee. Title Date June 5th , 20 00
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 permission issued by Factory Mutual Insurance Co of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{1}{2}$ to $\frac{6}{3}$ and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this  Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509 (N,I) 2162  National Board, State, Province, and Endorsements
Date June 15, 20 00

Form No.	1172	
FOIIII NO.	11/2	

1. Owner _	Owner <u>Duquesne Light Company</u>			Date08-23-99				
411 Seve	nth Avenue - Pitts (ADDRESS)	burgh, PA 15279	<u>9</u> Sh	neet1	(	of	1	
2. Plant	Beaver Valley F	Power Station	Un	nit No.	· · · · · · · · · · · · · · · · · · ·	1		
Shippingport, PA 15077 (ADDRESS)				MWR #078410 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.				
3. Work Perl	formed By <u>DLC</u>	) - Maint. Progra	ams Ty	REPAIR ORGANIZ				
	Shippingport, P	A 15077	Au					
	(ADDRESS)			piration Date _	-			
4. Identificati	on of System _	Safety Injection	n (Class Q2)					
	le Construction Code			Edition, S	71	Addenda,	N/A	
0000 0000	le Edition of Section X							
	on of Components				ponent	s		
Name of Component	Name of . Manufacturer .	Manufacturer Serial No.	National Board No.	Other . Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
Snubber	ITT Grinell	25922	N/A	SI-HSS-512A	N/A	Replaced	No	
н	"	25917	н	н	19	Replace- ment	17	
•				•				
		77	•				<del></del>	
. Description	of Work Replace	ed snubber with	spare for testin	g purposes				
. *Tests Cond	ducted: Hydros Other □		eumatic [	Nominal Operat	-	ssure 🗌	*N/A	

9. Remarks No Code Data Report, Snubber replaced with spare for testing purposes. Previous
NIS-2 Data Beport No. 890.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Sr. Eng. Date August 23rd 19 99
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>Arkwright Mutual Insurance Co.</u> of
Norwood. Massachusetts have inspected the components described in the
Owner's Report during the period 4/20/99 to 9/8/99, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions N87509 (NI) PA2162 Inspector's Signature Commissions N87509 (NI) PA2162
Date <u>Sept 8</u> , 19 99

٠.			
	Form N	No.	1173

_											
1.	Owner	Duquesne Light	Company		Date		05-04	1-2000			
	411 Sevent	h Avenue - Pittsb (ADDRESS)	urgh, PA 15279	_	Sheet	1	of	f	1		
2.	Plant	Beaver Valley Po	ower Station		Unit No.	•		1			
		Shippingport, PA (ADDRESS)	15077	·	W.O. #97-064125-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.						
3.	Work Perfo	rmed By <u>DLCo</u>	- Construction	<del>.</del>	Type Code Symbol Stamp Not Applicable						
	Shippingport, PA 15077 (ADDRESS)				Authorization NoN/A  Expiration Date						
4.	Identification	n of System	River Water (Q	3)					- · · · · · · · · · · · · · · · · · · ·		
	(a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>S'71</u> Addenda, <u>N/A</u> Code Case  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1989E</u> 1. Identification of Components Repaired or Replaced and Replacements Components										
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boam No.	4	Other Identification	Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
	Piping	Stone &Webster	N/A	N/A		WR-66	1976	Replaced	No		
	Piping	Duquesne Light	N/A	N/A		WR-66	1999	Replace- ment	No		
•											
7.	Description	of Work <u>Replace</u>	ed piping/fittings	-							
8.	Tests Conde	ucted: Hydrosta Other 🗌	atic Pne			inal Operat					

9. Remarks: No Code Data Reports available. Previous NIS-2 Code Data Reports Nos. 459 and 193.
Piping and fittings were replaced in accordance with Code Case N-416-1. *Year installed.
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.  Replacement conforms  Replacement
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Senia Eng. Date May 4th , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the  Owner's Report during the period 9/3/99 to 5/5/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Commissions NB7509 (N,I) PA 2162 Inspector's Signature Commissions NB7509 (N,I) PA 2162
Date

Form	No	1174	
-om	IVO.	11/4	

		<del></del>				<del></del>					
1.	Owner	Duquesne Light	Company	D	ate	e <u>04-24-2000</u>					
	411 Sevent	h Avenue - Pittsb (ADDRESS)	urgh, PA 15279	_ s	heet _	1_	of	1			
2.	Plant	Beaver Valley Po	ower Station	U	nit <b>No.</b>			<u> </u>			
		Shippingport, PA	15077		W.O. #97-064126-000, -011						
		(ADDRESS)	10017	<del></del> -	REP	AIR ORGANIZA	ATION P.O.	NO., JOB NO.,	ETC.		
3.	Work Perfo	rmed By <u>DLCo</u>	- Construction (NAME)	т	Type Code Symbol Stamp Not Applicable						
		A	uthorizat	ion No		N/A					
		(ADDRESS)	E	xpiration	Date _						
4.	I. Identification of System River Water (Q3)										
5.	5. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>S'71</u> Addenda, <u>N/A</u> Code Case										
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacement	s <u>1989E</u>	<del></del>					
6.	6. Identification of Components Repaired or Replaced and Replacements Components										
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Ide	Other entification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
	Piping	Stone &Webster	N/A	N/A	V	VR-67	1976	Replaced	No		
	Piping	Duquesne Light	N/A	N/A	V	VR-67	1999	Replace- ment	No		
						· · · · . <del>-</del>	:				
									,		
7.	Description	of Work Replac	ed piping/fittings	s, reworked su	ıpport						
8.	Tests Cond	lucted: Hydrosi Other	_	eumatic 🗌 psi Te		nal Operat	-	ssure 🛭			

9. Remarks: No Code Data Reports available. Previous NIS-2 Code Data Report No. 460. Piping and
fittings were replaced in accordance with Code Case N-416-1. Pipe support PS-1 was also
reworked by adding integrally welded lugs to the new replacement pipe.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Scalar Ey. Date April 24 , 19 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/8/99 to 10/29/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509 (NI) PA2162  National Board, State, Province, and Endorsements
Date 4pul 25, 20 00

Form No.	1175	
Form No.	11/0	

1.	Owner	Duquesne Light	Company	_	Date		04-24	I-2000			
	411 Sevent	h Avenue - Pittsb (ADDRESS)	urgh, PA 15279		Sheet	1	O	f	1		
2.	Plant	Beaver Valley Po	ower Station		Unit No	·		1			
		Shippingport, PA	15077	<del></del>	W.O. #99-216297-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.						
3.	Work Perfo	rmed By <u>DLCo</u>	- Construction	·	Type Code Symbol Stamp Not Applicable						
	Shippingport, PA 15077 (ADDRESS)				Authorization NoN/A  Expiration Date						
4.	Identification of System River Water (Q3)										
	. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 Addenda, N/A Code Case  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E  Identification of Components Repaired or Replaced and Replacements Components										
	Repaired, ASME										
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boa No.	rd	Other Identification	Year Built	Replaced, or Replacement	Code Stamped (YES or NO)		
	Piping	Stone &Webster	N/A	N/A		WR-68	1976	Replaced	No		
	Piping	Duquesne Light	N/A	N/A		WR-68	1999	Replace- ment	No		
						٠.					
7.	. Description of Work Replaced piping/fittings.										
8.	Tests Cond	ucted: Hydrost: Other 🗌		umatic 🔲 psi		inal Operati	•				

9. Remarks: No Code Data Reports available. Previous NIS-2 Code Data Report No. 479. Piping and
fittings were replaced in accordance with Code Case N-416-1.
CERTIFICATE OF COMPLIANCE
THE OF THE PARTY O
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Owner's Designee, Title Date April 24 , 19 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Owner's Report during the period $918/99$ to $4/27/00$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Common Commissions NB7509 (NI) PA 2162  National Board, State, Province, and Endorsements
Date

Form No.	1177	
Form No.	11//	

		<del></del>			The second			<del></del>	
1.	Owner	Duquesne Light	Company	<u></u>	Date		06-07	-2000	<del></del>
	411 Seventh	Avenue - Pittsb	urgh, PA 15279		Sheet	1	of	1	
2.	Plant	Beaver Valley Po	ower Station		Unit No	·	1		
		, ,	45077			W.O. Nos:	97-0641	26-000 -0	<b>0</b> 2
	<del> </del>	Shippingport, PA	15077			REPAIR ORGANIZ	ATION P.O.	NO., JOB NO.,	ETC.
3.	Work Perfor	rmed By <u>DLCo</u>	- Construction		Type Code Symbol Stamp Not Applica				
		Chinningnest D/	15077		Authorization NoN/A				
	Shippingport, PA 15077 (ADDRESS)				•	ion Date			
		- of Custom	River Water (Q		•				
4.	Identification	n of System	niver water (Q	31	<u>`</u>				
5	(a) Applicable	Construction Code	B31.1	19 67	Edition.	S'71 Adden	da.	N/A Code C	Case
J.					<i>9</i>				
	(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E								
6.	Identification	n of Components	Repaired or Re	placed and	d Replac	ements Con	nponents	3	
	Name of Component	Name of Manufacturer	Manufactu <del>rer</del> Serial No.	National Bo No.	ard	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code Stamped (YES or NO)
•	Ball Valve	Kerotest	JAW21-19	N/A		IRW-76	1987	Replaced	No
	Ball Valve	Kerotest	ASN3-46	N/A		1RW-76	1999	Replace- ment	No
					`				
		of Work Replac		e kind.			Air or Dara		
8	. Tests Cond	ducted: Hydros Other		eumatic [_ psi	-	minal Opera mp	-		

9. Remarks No Code Data Reports available. Replacement was in accordance with Code Case
N-416-1. Valve was manufactured to ANSI B16.34.
CERTIFICATE OF COMPLIANCE
CENTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed June 8th , 20 00
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co.">Factory Mutual Insurance Co.</a> of
Johnston, RI have inspected the components described in the
Owner's Report during the period $9/8/99$ to $6/9/00$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Common Commissions NB 7509 (NJ) PA2162  Inspector's Signature Commissions NB 7509 (NJ) PA2162
Date June 9, 20 00

Form No.	1178
FOILI NO.	1170

		<del></del>							
1.	. Owner Duquesne Light Company				Date		05-04	-2000	
	411 Seventi	n Avenue - Pittsb (ADDRESS)	urgh, PA 15279	-	Sheet	1	of	1	· · · · · · · · · · · · · · · · · · ·
2.	Plant	Beaver Valley Po	ower Station		Unit N	o	1		
		, ,			W.O. #97-064125-002, -000				
	Shippingport, PA 15077 (ADDRESS)					REPAIR ORGANIZ	-U04123 ATION P.O.	NO., JOB NO.,	ETC.
3.	B. Work Performed By <u>DLCo -Nuclear Construction</u>					Type Code Symbol Stamp Not Apolicabl			
		Shinningnort PA	15077		Author	ization No		N/A	
		(ADDRESS)	10077			tion Date _			
4.	Identificatio	n of System	River Water (Q	3)					<del></del>
5	(a) Applicable	Construction Code	B31.1	19 67	Edition.	S'71 Addend	a	N/A Code C	Case
J.								_ <del></del>	
	(b) Applicable	Edition of Section X	Oulized for nepairs	OI Nepiaceii	161113	034			
6.	Identificatio	n of Components	Repaired or Re	placed and	d Replac	cements Com	ponents	3	
Name of Name of Manufacturer National Board Other Year or Stamped Component Manufacturer Serial No. No. Identification Built* Replacement (YES or No.)								Code Stamped (YES or	
	Check Valve	Kerotest	JAW21-5	N/A		1RW-77	1990	Replaced	No
(	Check Valve	Kerotest	E174P-1-1	N/A		1RW-77	1999	Replace- ment	No
							·		
7.	Description	of Work <u>Replac</u>	ed valve with sp	pare.					
8	. Tests Cond	lucted: Hydros Other	<u></u>	eumatic _	_	ominal Opera Test Temp.	_		

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No: 193. Replacement in
accordance with Code Case N-416-1. *Year installed.
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.  Replacement conforms
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Super or Owner's Designee, Title Date May 4th , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 9/3/99 to 5/3/00, and state that to the best of my knowledge and belief, the Owner has performed associated in the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB7589 (N,I)PA 2182  National Board, State, Province, and Endorsements
Date

Form	No	1179	
rorm	NO.	11/9	

1. Owner	Duquesne Ligh	t Company	Da	te	04-2	4-2000			
411 Seveni	th Avenue - Pitts (ADDRESS)	burgh, PA 15279	<u>)</u> Sho	eet <u>1</u>		f	1		
2. Plant	Beaver Valley F	ower Station	Uni	it No		1			
	Shippingport, P	A 15077	<del></del>	W.O.	#97-064 ZATION P.O	1126-003 No., JOB No.,	ETC.		
3. Work Perfo	ormed By <u>DLC</u>	- Construction	Тур	e Code Symbol	i Stamp	Not A	pplicable		
Shippingport, PA 15077 Authorization NoN/A									
	(ADDRESS)		. <del></del>	_					
			Ext	oiration Date _					
4. Identificatio	n of System _	River Water (C	23)						
5 (a) Applicable	Construction Code	D24.4	40 67 5 11				_		
	Construction Code				da,	N/A Code	Case		
(b) Applicable	Edition of Section X	i utilized for Repairs	or Replacements	1989E					
6. Identificatio	n of Components	Repaired or Re	placed and Rep	olacements Con	nponent	s			
						Repaired,	ASME		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Code Stamped (YES or		
		-				,	NO)		
Ball Valve	Contromatics	N/A	N/A	1RW-78	1976	Replaced	No		
Ball Valve	BW/IP	E182A-1-1	N/A	1RW-78	1999	Replace- ment	No		
	of Work Replac								
8. Tests Condu	ucted: Hydrost Other 🗌	<del></del>		Nominal Operati Temp	•				

9. Remarks No Code Data Reports available. Replacement was in accordance with Code Case
N-416-1. Work was documented under Work Order 97-064126-000. Valve was designed to
ANSI B16.34.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Service - Eng. Date April 24 , 19 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of <u>Pennsylvania</u> and employed by <u>Factory Mutual Insurance Co.</u> of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $9/8/99$ to $4/27/66$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cemoch Commissions NB 7509 (N, I) PA 2162  Inspector's Signature Commissions NB 7509 (N, I) PA 2162
Date april 27 . 20 00

Form	No	1180	
COHII	IVU.	1100	

=				<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>					
Owner Duquesne Light Company  (NAME)				<del>-</del>	Date _		06-21	-2000	
	411 Sevent	h Avenue - Pittsb	urgh, PA 15279	_	Sheet	1	of	1	
2.	Plant	Beaver Valley Po	ower Station		Unit No.	•		<u> </u>	
		Shippingport, PA			W.O. #97	-06412	5-000, -000	3	
		(ADDRESS)			A	EPAIR ORGANIZA	ATION P.O.	NO., JOB NO.,	ETC.
3.	Work Perfo	rmed By <u>DLCo</u>	- Construction	<del></del>	Type Code Symbol Stamp Not Applica				oplicable
		Shippingport, PA	15077	<del></del>	Authoriz	ation No		N/A	
		(ADDRESS)			Expiration	on Date _		н	
4.	Identificatio	n of System	River Water (C	3)					
5.	(a) Applicable	Construction Code	B31.1	19 <u>67</u>	Edition, _	S'71 Addend	a,	N/A Code (	Cas <del>e</del>
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replaceme	ents <u>1989</u>	<u>E</u>			
6.	Identificatio	n of Components	Repaired or Re	placed and	Replace	ments Com	ponents	3	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Boar No.		Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Gode Stamped (YES or NO)
	Ball Valve	Contromatics		N/A		1RW-79	1976	Replaced	No
	Ball Valve	Anchor- Darling	V2415-002	N/A		1RW-79	1994	Replace -ment	No
	<u> </u>						·		
	···								
7.	Description	of Work Replac	ed valve with sp	are.			<u> </u>		
8	Tests Cond	ducted: Hydros Other	_	eumatic 🔲 psi		inal Operati	_		

9. Remarks No Code Data Reports available. Replacement was 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 conform
o the rules of the ASME Code Section XI.  Repair Or Replacement
ype Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed All Hon Source False Date have start on an
Signed Hute Scure Esp. Date June 21st , 20 00
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, RI have inspected the components described in the
Owner's Report during the period $\frac{9/3/99}{6/27/60}$ to $\frac{6/27/60}{6/27/60}$ , 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.
The state of the s
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cemerch Commissions NB7509(NI)PA2162.  National Board, State, Province, and Endorsements
Date June 27, 20 00

Form	No	1200
COHIII	INO.	1200

1. Owner	Duquesne Light	Company	_ Dat	e	06-23	-2000			
411 Sevent	h Avenue - Pittsb	urgh, PA 15279	_ She	eet1	of				
2. Plant	Beaver Valley P	ower Station	Uni	t No.	•	<u> </u>			
	Shippingport, PA	\ 15077		W.O. #99-209275-020, -000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.					
3. Work Perfo	Not A	pplicable							
	Shippingport, PA	15077	Διit	horization No.		N/A			
	(ADDRESS)	13077		_					
			Exp	oiration Date _					
4. Identificatio	n of System	River Water (Q	3)		<del></del>		· · · · · · · · · · · · · · · · · · ·		
5. (a) Applicable Code Case	Construction Code	Section 1	VIII 19 <u>71</u>	Edition, _S'	71	_ Addenda, _	***		
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements	1989E					
6. Identificatio	n of Components	Repaired or Re	placed and Rep	placements Com	ponents	<b>S</b>			
						Repaired,	- ASME Code		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced, or Replacement	Stamped (YES or NO)		
Pump	Byron Jackson	701-N-0599	N/A	IWR-P-IC	1976	Repaired	No		
		:							
	<u></u>	,,_			<u>L</u>				
7. Description	of Work <u>Weld r</u>	epaired eroded a	areas on pump	columns in area	of spide	er assembl	y and		
	bear	ing housings.							
8. *Tests Con	bearing housings.  8. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. •F *N/A								

9. Remarks No Code Data Report available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Savor Eog Date June 23rd , 20 00
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co.">Factory Mutual Insurance Co.</a> of
Johnston, RI have inspected the components described in the
Owner's Report during the period $\frac{9/21/49}{}$ to $\frac{5/23/60}{}$ , 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
Commissions NB7509 (N,I)PA2162  Inspector's Signature Commissions NB7509 (N,I)PA2162
Date <u>June</u> 23, 20 00

Form No.	1205	

	— T						
1. Owner _	F.E.N.O.C.		_ Da	te	04-0	02-00	
	Main Street - Akr			eet1	0	f	1
2. Plant		ower Station	Un	it No		1	
	(NAME)	A 15077		<b></b> 0	"	,	
	Shippingport, PA (ADDRESS)	4 150//		REPAIR ORGANI	#99-220 ZATION P.O.	0852-000 NO., JOB NO.,	ETC.
3. Work Perl	formed By <u>BVPS</u>	- Construction	Dept. Typ	oe Code Symbo	l Stamp	Not A	policable
<del></del>	Shippingport, PA	A 15077	Aut	thorization No.		N/A	
	(ADDRESS)		Exp	oiration Date		· s	
4. Identificati	ion of System	River Water (C	33)				
(b) Applicab	le Construction Code le Edition of Section XI on of Components	Utilized for Repairs	or Replacements	1989E			Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME - Code Stamped (YES or NO)
Ball Valve	Contromatics	****	N/A	1RW-84	1976	Replaced	No
Ball Valve	Anchor-Darling	E770A-1	N/A	1RW-84		Replace- ment	No
	·						
7. Description	n of Work Replac	ed valve.					
8. Tests Cond	ducted: Hydrost Other □	<del></del>	eumatic []	Nominal Operal Test Temp.			

9. Remarks No Code Data Report available. Valve replacement was in accordance with Code Case
N-416-1. Valve was manufactured to ANSI B16.34-88.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Farrer (Lette Sevie - Eur. Date April 2 2000
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co.">Factory Mutual Insurance Co.</a> of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{12/1/99}{}$ to $\frac{4/4/00}{}$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimach Commissions NB7509 (NI) PA 2162  Inspector's Signature Commissions NB7509 (NI) PA 2162
Date April 4, 20 00

Form No.	1208	
FUIII NO.	1200	

1. Owner	F.E.N.O.C.		_ Date	e	03-2	4-00	
76 South M	Main Street - Akro	on, OH 44308	_ She	et1	of	1	
2. Plant	Beaver Vailey P	ower Station	Unit	No	•	<u> </u>	
	Shippingport, PA	\ 15077		W.O.	99-2136 ATION P.O.	026-000 NO., JOB NO.,	ETC.
3. Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	policable
	Shippingport, PA	15077	Auti	norization No		N/A	
	(ADDRESS)		<del></del>	_		<u> </u>	
			Exp	iration Date _			
4. Identification	n of System	River Water (Q	3)				
<b>.</b>		504.4	44 OT E 114	0174 A		0.4.0	
, , , ,	Construction Code				adenda, _	Code C	as <del>o</del>
(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E			
6. Identification	n of Components	Repaired or Re	placed and Rep	lacements Con	nponents	8	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Pacific Valves	-	N/A	1RW-488	1976	Replaced	No
Nozzle Check	Enertech	1088	66	66	1998	Replace- ment	64
				-			
					$\neg$		
7. Description	of Work Replac	ed valve and fitti	ings.				_
8. Tests Cond	ucted: Hydros Other [	_	_	Nominal Opera Temp	_		

9. Remarks No Code Data Reports available. Replaced valve and fittings in accordance with Code
CaseN-416-1. Valve was manufactured to ANSI B16.34 and 10080-DMS-0251.
•
CERTIFICATE OF COURT INTER
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed
CERTIFICATE OF INSERVICE INSPECTION
I the condensation of badding a contract of the contract of the condensation of the co
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>Factory Mutual Insurance Co</u> of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{12/7/99}{}$ to $\frac{4/1/00}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Commissions NB 7509(NI) PA2162  Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date

Form No.	1209	
COMBINO.	1209	

							····
1. Owner	F.E.N.O.C.		_ Dat	e	06-07	-2000	
76 South N	76 South Main Street - Akron, OH 44308 (ADDRESS)		_ She	eet <u>1</u>	of	1	
2. Plant	2. Plant Beaver Valley Power Station (NAME)				1		
	Shippingport, PA	15077		W.O. I	#99-207	254-000 NO., JOB NO.,	ETC.
3. Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	oplicable
	Shippingport, PA	15077	Aut	thorization No		N/A	
	(ADDRESS)			oiration Date _		4	
4. Identification	n of System _	Main Steam (Q	2)	·			
5. (a) Applicable	Construction Code	ANSI B16	6.34 19 <u>73</u> E	dition,Addenda,		N/A Code (	Case
	Edition of Section XI						
6. Identification	n of Components	Repaired or Re	placed and Re	placements Con	nponents	3	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code -Stamped (YES or NO)
Check Valve	Crane	N/A	N/A	1MS-80	1976	Repaired	No
Hinge Pin Plug	Hinge Pin Plug Crane N/A N		N/A	Lot #85K	1997	Replace- ment	No
				·			
							·
7. Description	n of Work Replac	ed and seal wel	ded new hinge	pin plug.	<b>!</b>		
8. Tests Con	ducted: Hydros Other	_	eumatic 🗌 psi Tes	Nominal Opera	-		

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71 system.
Previous NIS-2 Code Data Report Nos: 1018, 601, and 144.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed Signed Date June 7th , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Owner's Report during the period  A ve inspected the components described in the compo
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Connoch Commissions NB7509 (NT) PA2162  Inspector's Signature Commissions NB7509 (NT) PA2162
Date <u>June</u> 9, 20 <u>00</u>

Form	No	1210		
TUIIII	IVO.	1210		

					<del>-</del>		<del></del>
1. Owner	F.E.N.O.C.		_ Date	·	06-07	-2000	
76 South M	ain Street - Akro		_ She	et <u>1</u>	of	1	
2. Plant	Beaver Valley Po	ower Station	Unit	No	1		
	Shippingport, PA	15077		W.O.		313-000	
3. Work Perfor	(ADDRESS)  med By BVPS	- Maintenance	Тур	e Code Symbol			
	Shippingport, PA	(NAME)	Auth	norization No		N/A	
	(ADDRESS)	1 1 3011		iration Date _			
	n of System Construction Code Edition of Section XI		5.34 19 <u>73</u> Ed			N/A Code (	Case
6. Identification	n of Components	Repaired or Re	placed and Rep	lacements Con	ponents	8	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Crane	N/A	N/A	1MS-81	1976	Repaired	No
Hinge Pin Plug	Crane	N/A	N/A	Lot #85K	1997	Replace- ment	No
				·	ŀ		
							·
7. Description	of Work Replac	ced and seal we	ded new hinge	pin plug.			
8. Tests Cond	ducted: Hydros Other		eumatic 🗌 psi Tes	Nominal Opera	•		

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71 system.
Previous NIS-2 Code Data Report Nos: 997, 907, 665, 537 and 168.
CERTIFICATE OF COMPLIANCE
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 neplacement
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Sever - Eng. Date June 8th
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{2/15/00}{}$ to $\frac{6/9/00}{}$ , 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.
Clobert Cissoch Commissions NB 7509 (NT) PA2162  National Board, State, Province, and Endorsements
Date Jane 9, 20 <u>00</u>

Form No	1211	
POITH IND	1211	

1. Owner	F.E.N.O.C.		_ Date		06-05-	2000	
	k Valve Crane N/A  Disc Crane-Aloyco N/A		_ Shee	et1_	of	1	· · · · · · · · · · · · · · · · · · ·
2. Plant	Beaver Valley Po	wer Station	Unit	No	1		
	Shippingport, PA	15077		W.O. #	99-2072	283-000	ETC
<del></del>	(ADDRESS)						
3. Work Perform	med By <u>BVPS</u>	- Maintenance (NAME)	Тур	e Code Symbol S	Stamp	Not Ap	plicable
		15077	Auth	norization No	·	N/A	
	(ADDRESS)		Exp	iration Date _		"	<del></del>
4 Identification	of System	Main Steam (O	2)				
				lista Addondo		N/A Code C	2000
						<u> 1477</u> COOB C	
6. Identification	of Components	Repaired or Re	placed and Rep	lacements Com	ponents		
Name of Component			National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Crane	N/A	N/A	1MS-82	1976	Repaired	No
Disc	Crane-Aloyco	N/A	N/A	Ht #616298 S/R #C4234	1994	Replace- ment	No
Hinge Pin Plug	Crane	N/A	N/A	Lot #85K	1997	Replace- ment	No
				<u> </u>	J	1	<u> </u>
7. Description	of Work Replac	ced valve disc a	nd seal welded I	new hinge pin pl	ug.		
					<u></u>		
8. Tests Cond	lucted: Hydros Other	_	neumatic 🗌 psi Tes	Nominal Opera			

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71 system.
Previous NIS-2 Code Data Report Nos: 1019, 666, and 148.
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed June 5th , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of  Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{2/15/00}{}$ to $\frac{6/7/00}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Comoch Commissions NB'7509 (NT) PA2162  National Board, State, Province, and Endorsements
Date

#### APPENDIX II - MANDATORY

1.	Owner F	irst Energ		Operating Comp	any	Da	te			05/25/	00	
	76 Sout	h Main Str		on, OH 44308-18	90	Sh	eet		1	o	f	1
2.	Plant	Beav		Power Station	<del></del>	Un	it	<del></del>		1	· · · · · · · · · · · · · · · · · · ·	
		Shippii	ngport, PA	15077			Reac				7024829 No., Job Ne	o., etc.
3.	Work Perfo	ormed by	BVPS	6/Maj. Comp. E	ng.	•	oe Code	Symbo	i Stamp		Not Appli	cable
		Shippir	ngport, PA				thorization D				N/A N/A	
4.	Identification									<del></del>		
5.(a)	Applicable	Construct	ion Code	Section III	19 <u>65</u>	_ E	dition,	W'66	Adde	nd <b>a</b> , _	1429	Code Case
(b)	Applicable	Edition of	Section >	(I Utilized for Rep	oairs or f	Repla	acement	19 _	1989 Ed	ition		
6.	Identification	on of Com	ponents F	Repaired or Repla	aced and	i Re	placeme	nt Com	ponents			
1	lame of mponent	Nam Manufa	e of acturer.	Manufacturer Serial No.	Nation Boar No.	d	Oth Identific		Year Built	Rep	paired, laced, or lacement	ASME Code Stamped (Yes or No)
1	Heat changer	Westing	ghous <b>e</b>	DLGT-1301	68-4	5	RC-E	-1A	1971		paired &	Yes
					<del></del>							
7.	Description	of Work	instalie	d 14 new tube plo	.gs (7 tu	bes)	, replace	d 36 de	fective t	ube plu	ıgs (36 hot	leg),
			installed	d 303 Westingho	use lase	r we	ded slee	ves in :	215 tube	s, mac	hined the	<b>,</b>
			second	ary side manway	& handl	nole	gasket s	eating s	surfaces,	replac	ed 2 seco	ndary side
		-	manwa	y covers, replace	d bolt #7	on	handhole	#2, re	placed h	andhol	e cover #1	
			replace	d 30 J-tubes.								
8.	Tests Con	ducted:	Hydrosta	ıtic 🗆 Pne	umatic		Nomi	inal Op	erating F	ressu	re EB	Exempt 🗆
			Other 🗆	Pressure			_ psi	Te	st Temp.			°F
гои	(1) size (2) infor (3) each	is 8-1/2 in mation in a sheet is	i. X 11 in. items 1 th numbered	m of lists, sketch , nrough 6 on this r d and the number ained from the ASA	eport is r of shee	inclu ts is	ded on e recorded	ach sh I at the	eet, and top of th	is form		2300

### 1992 SECTION XI - DIVISION 1

9. Remarks	ASME repair work or	ders: Tube plugging/sleevir	ng – W.O.	99-210139-000,	
		Applicable Manufacture	er's Data i	Reports to be attache	d
	Secondary side many	way machining - W.O. 99-2	210128-00	0	
	Secondary side hand	hole machining - W.O. 99-	211150-00	00	
	PA 434597				
		CERTIFICATE OF C	OMPLIAN	CE	
	eat the statements made Code, Section XI.	in the report are correct a		epair/replacement co	nforms to the rules
Type Code S	Symbol Stamp	per NPDAP 8.5 *ASMI	E Section >	(I Repair/Replacement	Program*
Certificate o	f Authorization No.	N/A		Expiration Date	N/A
3	H 100.+ -			m seth	
Signed	Owner or Owner's	ST Coordenator	. Date	(May 25 11	
	•	•		•	•
		CERTIFICATE OF INSER	VICE INSP	ECTION	
I, the unders	igned, holding a valid comr	mission issued by the National	Board of Bo	piler and Pressure Vessel I	nspectors and the
State of Provi	nce of Pennsylva Johnston	, Rhode Island		Factory Mutual insurance have inspected the c	omponents described
	s Report during the period			6/1/60	, and state that
Owner's Repo	ort in accordance with the r	equirements of the ASME Coo	le, Section )	G.	
By signing examinations	g this certificate neither the and corrective measures of	<ul> <li>Inspector nor his Employer</li> <li>Iescribed in this Owner's Report</li> </ul>	makes any ort. Furtherr	warranty, expressed or it more, neither the inspector	mplied, concerning the nor his employer shall
be liable in a	ny manner for any persor	nal injury or property damage	or a loss	of any kind arising from	or connected with this
inspection.					
Poly	at Come	2 Commission	a NB	7509(NI)	PA 1/62
	Inspector's Signature		National	Board, State, Province	, and Endorsements
Date	lune 1,	2000			

### **APPENDIX II - MANDATORY**

1.	Owner_F	irst Energy N	uclear C Nam	perating Comp	any	Dat	е			05/25/0	0	
	76 Sout		- Akror	n, OH 44308-18	3 <b>90</b>	She	et		1	of		1
			ddress									
2.	Plant	Beaver \	/alley Po Name	ower Station		Uni	t			1		
		Shippingp		-				West	tinghouse	P.O. 7	024829	
			ddress				Rea				o., Job No	o., etc.
3.	Work Perfe	ormed by	BVPS/I	Maj. Comp. E	ng.	Тур	e Code	Symbo	i Stamp		Not Appli	cable
				Name		Aut	horizati	ion No.			N/A	
		Shippingp		15077		Ехф	oiration	Date			N/A	
		A	ddress									
4.	Identification	on of System					Reactor	Coolani	t (Q1)			·
5.(a)	Applicable	Construction	Code _	Section III	19 <u>65</u>	_ E	dition, _	W'66	Adde	nda, _	1429	Code Case
(b)	Applicable	Edition of Se	ction XI	Utilized for Re	pairs or F	Repla	cemen	t 19 _	1989 Ed	ition		
6.	Identification	on of Compor	nents Re	paired or Repl	aced and	Rep	olacemo	ent Com	ponents			
	Name of	Name o		Manufacturer	Nation			her	Year		aired,	ASME
Co	mponent	Manufactu	ırer	Serial No.	Boan No.	3	IGenti	ication	Built		ced, or cement	Code Stamped
												(Yes or No)
	Heat	Westingho	ouse	DLGT-1302	68-4	6	RC-	E-1B	1971		aired &	Yes
EX	changer			•	<del> </del>				<del> </del>	Rep	laced	
	******				<u></u>							
 7.	Description	n of Work I	nstalled i	6 new tube plu	os (3 tub	es). :	stabilize	ed 2 tube	es, reolac	ed 10 d	efective t	ube plugs
•	Boompao			, 1 cold leg), in								
				d the secondary								
		s	econdar	y side manway	covers,	repla	aced bo	lt#1 on	seconda	ary man	way #2, r	eplaced
				ole coverS, repi								
8.	Tests Con	ducted: Hy	/drostati	c 🗆 Pne	umatic (	]	Nor	ninal Op	erating F	ressure		Exempt
		OI	ther 🗆	Pressure			_psi	Te	st Temp			°F
NO.	(1) size (2) info	is 8-1/2 in. X mation in iter	( 11 in., ms 1 thr	n of lists, sketch ough 6 on this and the numbe	nes, or dr	awin nclu	ded on	each sh	eet, and			

### 1992 SECTION XI - DIVISION 1

9.	Remarks	ASME repair work of	rders: Tube plugging/sleev			
			Applicable Manufactu	rer's Data	Reports to be attached	d
		Secondary side man	way machining - W.O. 99	-211155-0	00	
		Secondary side hand	dhole machining – W.O. 9	9-211157-	000	
				······································		
		PA 434598				
						•
			CERTIFICATE OF	COMPLIA	NCE	
	•	at the statements made Code, Section XI.	e in the report are correct		repair/replacement c	onforms to the rules
	Type Code S	Symbol Stamp	per NPDAP 8.5 "ASM	AE Section	XI Repair/Replacement	Program*
	Certificate of	Authorization No.	N/A		Expiration Date	N/A
	94	100 4: .	0 al 'ha		on andh	
	Signed X1	Owner or Owner	s Designee, Title	Date	1/10m 0/2m	, 2000
		•	•		9	
			CERTIFICATE OF INSE			-
			mission issued by the Nation vania and employed	bv	Factory Mutual Insurance	Company of
		Johnsto Report during the period			have inspected the c	
	to the best of	my knowledge and belief	, the Owner has performed of	examination	is and taken corrective mea	sures described in this
			requirements of the ASME Cone Inspector nor his Employe			mplied, concerning the
	examinations	and corrective measures	described in this Owner's Repond injury or property dama	port. Furthe	ermore, neither the inspecto	r nor his employer shall
			đ			
1	Role	It Cimo	Commission	ons NB	7509 (N,I) PA	2162
		Inspector's Signature		Nation	al Board, State, Province	, and Endorsements
	Date	June 1,	2000			

### **APPENDIX II - MANDATORY**

1.	Owner F	irst Energ	/ Nuclear Na	Operating Comp	any	Date	9		05/25/00		<del></del>
	76 South	n Main Str		on, OH 44308-18	90	She	et	1	of	1	
2.	Plant	Beave		Power Station		Unit			1		
	<del></del>	Shippir	ngport, PA	15077	<del></del>		West Reactor Orga		P.O. 70248		
3.	Work Perfo	rmed by		Maj. Comp. Er	ng.	• •	e Code Symbol	Stamp	Not A	Applicable	
		Shippir	ngport, PA	A 15077			horization No. iration Date				
4.	Identification	on of Syste				F	leactor Coolant	(Q1)			
5.(a)	Applicable	Construct	ion Code	Section III	19 <u>65</u>	Ed	lition, <u>W'68</u>	Adde	nda, <u>142</u>	9 Code C	ase
				(I Utilized for Rep							
6.	• •			Repaired or Repla							
	lame of omponent	Nam Manufa		Manufacturer Serial No.	Nationa Board No.	d	Other Identification	Year Built	Repaired Replaced, Replaceme	or Cod	e ped or
Ex	Heat changer	Westing	ghouse	DLGT-1303	68-4	7	RC-E-1C	1971	Repaired Replace		3
7.	Description	a of Work	Inetalle	d 34 new tube plu	ice (17 ti	uhee	replaced 70 c	lefective.	tube plugs (4	15 hot leg. 25	 5
7.	Description	I OI WOIK	·	)), replaced nut #							
				machined the se							
			`	ary side manway							
				ole #17, replaced							
8.	Tests Con	duct <b>ed</b> :	Hydrosta		umatic (		Nominal Op		Pressure 🔞	Exemp	t 🗆
•			Other E						·	°F	
NO.	(1) size (2) info (3) eacl	is 8-1/2 ir rmation in h sheet is	n. X 11 in. items 1 th numbered	rm of lists, sketch nrough 6 on this r d and the number ained from the ASN	report is i r of shee	inclu ts is	ded on each sh recorded at the	eet, and top of th	nis form.		

## 1992 SECTION XI - DIVISION 1

9. Remarks	ASME repair work orders: Tube plugging/sleeving - W.O. 99-210179-000								
	Applicable Manufacturer's Data Reports to be attached								
	Secondary side manway machining - W.O. 99-211156-000								
	Secondary side handhole machining - W.O. 99-211158-000								
	Secondary side manway threaded insert installation - W.O. 99-211076-000								
PA 434599									
	•								
	CERTIFICATE OF COMPLIANCE								
	at the statements made in the report are correct and this Code, Section XI.  repair/replacement conforms to the rules repair or replacement								
Type Code S	Symbol Stampper NPDAP 8.5 "ASME Section XI Repair/Replacement Program"								
Certificate of	Authorization No. N/A Expiration Date N/A								
Signed H	m Mert ISI Coordinator Date Man 25th 2000								
Signed g to	Whert ISI Coordinator Date May 35th 2000 Owner or Owner's Designee, Title								
	CERTIFICATE OF INSERVICE INSPECTION								
I, the undersi	gned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the note of Pennsylvania and employed by Factory Mutual Insurance Company of								
State of Piovil									
	Johnston, Rhode Island, have inspected the components described Report during the period 2/1/00 to 6/1/00 , and state that								
	my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this rt 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								
	and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall by manner for any personal injury or property damage or a loss of any kind arising from or connected with this								
Rol	Inspector's Signature Commissions NB7509(NI)PA2162  National Board, State, Province, and Endorsements								
Date	June 1, 2000								

Earm No	1015
Form No.	1215

1. Owner			_ c	)ate	04-1	10-00	
76 South	(NAME)  Main Street - Akr (ADDRESS)	on, OH 44308	_ s	Sheet1	o	f	<u> </u>
. Plant	Beaver Valley P	ower Station	 U	Init No.		1	
	Shippingport, P/	A 15077	· -	W.O.	#99-214 ZATION P.O.	843-000 NO., JOB NO.,	ETC.
. Work Perfo	ormed By Hydro	-Aire, Inc.	т	ype Code Symbo	l Stamp	Not A	oplicable
	834 West Madis (ADDRESS)	on-Chicago, IL.	<u> </u>	uthorization No. xpiration Date			
(b) Applicable	e Construction Code Edition of Section XI on of Components	Utilized for Repairs	or Replacement	1989E			Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	. ASME Code Stamped (YES or NO)
Pump	Pacific Pumps	49191	N/A	1CH-P-1A	1976	Repaired	No
Seal Housing- Suction	Ingersoil-Dresser Pump	S2621-2-AA	N/A	N/A	1995	Replace- ment	No
Seal Housing- Discharge	Ingersoll-Dresser Pump	S2621-1-AB	N/A	N/A	1995	Replace- ment	No
					-		
. Description	of Work Replac	ed two pump cas	se bolts and b	ooth the suction a	nd disch	arge seal h	ousings
. Tests Cond	ucted: Hydrost Other		eumatic 🔲	Nominal Opera	•	ssure 🛛	

9. Remarks No Code Data Report available. Two (2) pump casing bolts were removed from sp	are
pump S/N 49192 and installed on this pump as part of overall pump disassembly/inspection	ı. Work
was performed by Hydo-Aire under BVPS direction using BVPS procedures.	
-	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this Replacement to the rules of the ASME Code Section XI.	conforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"	
Certificate of Authorization No. N/A Expiration DateN/A	
Signed Homan Library Source Eug. Date April 10 20	00
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co.">Factory Mutual Insurance Co.</a> of	
Johnston, R.I. have inspected the components described in the	
Owner's Report during the period $12/17/99$ to $4/12/60$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the context of the owner has performed examinations.	Me Na
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	113
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his em shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected this inspection.	ployer
Robert Comoch Commissions NB7509 (N,I) PA 216  Inspector's Signature Commissions NB7509 (N,I) PA 216	2
Date	

Form No.	1218	
1 01111 140.	1210	

1. Owner F.E.N.O.C.			_ Dar	te	06-08-2000				
	fain Street - Akre			eet1	of	i	<u> </u>		
2. Plant Beaver Valley Power Station			Uni	t No.		1			
Shippingport, PA 15077 W.O. #99-214049-000									
	(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.						ETC.		
3. Work Performed By BVPS - Maintenance (NAME)			Тур	Type Code Symbol Stamp Not Applicable			policable		
Shippingport, PA 15077			Aut	Authorization No.		N/A			
Expiration Date			4						
4. Identification of System Main Steam (Q2)									
5. (a) Applicable Construction CodeB16.519 Edition, Addenda, 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)		
Check Valve	Schutte & Koerting	ND690565	N/A	NRV-1MS-101C	1976	Repaired	No		
Studs	Anchor-Darling	N/A	N/A	Ht #1DN	1996	Replace- ment	No		
Nuts	Anchor-Darling	N/A	N/A	N/A	1996	Replace- ment	No		
Helicoil	Nova Machine	N/A	N/A	Ht #40002624	2000	Replace- ment	No		
7. Description of Work Replaced three studs and seven nuts, installed helicoil inserts into stud holes.									
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F									

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71A
system.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed June 19th , 20 00
CERTIFICATE OF INSERVICE INSPECTION
i, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 2/28/00 to 6/20/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
•
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Cimoch Commissions NB 7509 (NJ) PA 2162  National Board, State, Province, and Endorsements
Date June 20, 20 00

Form	No	1219	
rorm	INO.	1219	

<del></del>							
1. Owner	F.E.N.O.C.		Da	te	04-0	03-00	
76 South	Main Street - Akr	on, OH 44308	Sh	eet <u>1</u>	o	f	1
2. Plant	Beaver Valley P	ower Station	Un	it No.	·	1	
	Shippingport, P.	A 15077		wo ±	±07_068	8699-000	
*****	(ADDRESS)		<del></del>	REPAIR ORGANIZ	ATION P.O	NO., JOB NO.,	ETC.
3. Work Perfo	ormed By BVPS	- Construction	Dept. Typ	oe Code Symbol	Stamp	Not A	policable
	Shippingport, PA	A 15077	Aut	thorization No		N/A	
	(ADDRESS)		Exp	oiration Date _		ď	
l lalamaidia nais		Don'd al Llock	D	_			
. Identificatio	on of System	Hesiduai Heat	Hemoval (Q2)			<del>-</del>	
. (a) Applicable	e Construction Code	B31.1	19 <u>67</u> Edi	tion, <u>S'71</u> Ad	denda, _	N/A Code (	Case
(b) Applicable	e Edition of Section X	Utilized for Repairs	or Replacements	1989E			
6. Identification	on of Components	Repaired or Re	placed and Rep	placements Com	ponent	\$	
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)
Butterfly Valve	Fisher Controls	138439	N/A	MOV-1RH-758	1976	Replaced	No
Butterfly Valve	Fisher- Rosemount	15474222	N/A	MOV-1RH-758	1999	Replace- ment	No
· · · · · · · · · · · · · · · · · · ·							
. Description	of Work Replac	ed valve.					
. Tests Cond	lucted: Hydrost		eumatic  psi	Nominal Operation	_		

9. Remarks No Code Data Reports available. Valve was replaced with a different design because of
excessive leak-by. Original valve design was to ANSI B16.5-68.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed Arne & Comer or Owner's Designee, Title Date April 4, 2000
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Owner's Report during the period 12/14/99 to 4/6/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Comoch Commissions NB7509 (N,I)PA2162  National Board, State, Province, and Endorsements
Date April 6 . 20 00

Form N	o 1	220	
TOTAL 14	u. i	220	

1. Owner	F.E.N.O.C.	100	Dat	te	05-10	0-2000	
76 South M	Main Street - Akr	on, OH 44308	She	eet <u>1</u>	0	f	1
2. Plant	Beaver Valley P	ower Station	Uni	it No.		1	
	Shippingport, P.	A 15077		W.O.	#99-207 ZATION P.O	7295-000 . NO., JOB NO.,	ETC.
3. Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Тур	e Code Symbol	Stamp	Not A	pplicable
	Shippingport, PA	A 15077		horization No piration Date		N/A "	<b>-</b>
. Identificatio	n of System	River Water (C	•	mation bate _			
(b) Applicable	Construction Code Edition of Section X n of Components	Utilized for Repairs	or Replacements	1989E		· · ·	35 <b>0</b>
Name of Component	Name of Manufacturer	, Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	C & S Valve	92-2019- 06(Q)-01	N/A	1RW-106		Replaced	No
Check Valve	C & S Valve	89-0929- 01(Q)-01	N/A	1RW-106		Replace- ment	No
			-				
Description	of Work Replac	ed valve with spa	are and inlet/ou	tlet studs, nuts.			·
. Tests Condo	ucted: Hydrost Other 🗔			Nominal Operat	ing Pres	ssure ⊠ ∘F	

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No: 654. Inlet/outlet studs
and four nuts were replaced.
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.
Pepair Or Heplacement
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date
Certificate of Authorization No. N/A Expiration Date N/A
Signed Allette Source Eur Dots Manual
Signed Savier Ey. Date May 10th, 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutuel Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 10/30/99 to 5/12/00, 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.
The Asian 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.
Q I + Q
Commissions NB7509 (NI) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements
Date
. 20 00

_		
Form No.	1244	
I OHIH INO.	1677	

1.	Owner	F.E.N.O.C. (NAME)		Dat	ie	04-0	02-00	······································
	76 South N	Main Street - Akr	on, OH 44308	_ She	eet <u>1</u>	。	f	<u> </u>
2.	Plant	Beaver Valley P	ower Station	Uni	t No.		1	
		Shippingport, P.	A 15077		W.O. #	99-201	218-000	
		(ADDRESS)			REPAIR ORGANIZ	ATION P.O	. NO., JOB NO.,	ETC.
3.	Work Perfo	rmed By BVPS	6 - Maintenance (NAME)	Тур	e Code Symbol	Stamp	Not A	oplicable
		Shippingport, P.	A 15077	Aut	horization No		N/A	
	(ADDRESS)  Expiration Date							
4.	. Identification of System River Water (Q3)							
5.	5. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>S'71</u> Addenda, Code Case							
•	(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E							
6.	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 Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Ex	Rubber pansion Joint	Goodali		N/A	REJ-1RW-6A		Replaced	No
Ex	Rubber pansion Joint	Garlock	0-0585A	N/A	REJ-1RW-6A		Replace- ment	No
						•		
		. *						
						-	·	
7.	Description	of Work Replac	ed rubber expan	sion joint and a	I studs and nuts			
8.	Tests Conde	ucted: Hydrost Other			Nominal Operatii Temp.	ng Pres	sure 🛛 °F	

9. Remarks No Code Data report available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed April 2
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/28/00 to 4/4/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509(N,I) PA 2162
Date

Form No. 1246
---------------

1.	Owner	F.E.N.O.C.		_ Dat	e	06-23	-2000	<u>_</u>	
	76 South M	lain Street - Akro	_ She	eet1	of		1		
2.	Plant	Beaver Valley P	ower Station	Uni	t No	•	1		
•	Shippingport, PA 15077				W.O. Nos: 98-072482-000, 99-215293-000,				
(ADDRESS) 00-005456-000, -003 REPAIR ORGANIZATION P.O. NO., JOB NO					ETC.				
3.	3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Applicable						oplicable		
	Shippingport, PA 15077 A				Authorization NoN/A				
(ADDRESS)					oiration Date _		"		
	Identification of System Reactor Coolant (Class A)     Section III 19 68 Edition, Addenda, 1355 Code Case								
Э.	(a) Applicable Construction Code Section III 19 68 Edition, Addenda, 1355 Code Case  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E								
6.	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 Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or	
	Pump	Westinghouse	2-618J931G01		1RC-P-1B	1976	Repaired	Yes	
						-			
7.	7. Description of Work Replaced five main flange bolts, repaired linear indication on body.								
8.	8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp.								

9. Remarks No Code Data Reports available. Main flange bolts nos.: 6640, 6101, 6637, 6422, 6582
were removed, and serial nos.: 13520, 13629, 13630, 13606, 13619 were installed. *Year installed.
CERTIFICATE OF COMPLIANCE
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed
CERTIFICATE OF INSERVICE 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>Pennsylvania</u> and employed by <u>Factory Mutual Insurance Co.</u> of <u>Johnston, R.I.</u> have inspected the components described in the
Owner's Report during the period $\frac{3/8/60}{}$ to $\frac{6/23/60}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions NB 7509 (N; I) PA 2162  National Board, State, Province, and Endorsements
Date June 23, 20 00

. 1247
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1.	Owner	F.E.N.O.C.		Da	ite	05-05	-2000	
		(NAME) Main Street – Akr						•
	76 South N	(ADDRESS)	UII, OFI 44306	_ 3n	eet	<u>.I.·.</u> 01		<u> </u>
2.	Plant	Beaver Valley P	ower Station	Un	it No.	·- · <u>-</u>	1	<u></u>
	Shippingport, PA 15077 (ADDRESS)				W.C	. #99-213	394-000	E70
•	Marie Darie		Comptending	T				
ა.		rmed By <u>BVPS</u>	(NAME)		pe Code Symb	·		policable
		Shippingport, PA (ADDRESS)	A 15077		thorization No.			
					piration Date		-	<u> </u>
4.	Identification	n of System	Chemical and \	Volume Contro	I (Q2)			
5.		Construction Code Edition of Section X				Addenda, _	N/A Code	Case .
8		n of Components				moonente		
υ.	- Identification	To Components	nepalled of ne	placed and ne	piacements oc	mponent:		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or	ASME Code Stamped
	Сопролен	Manufactures	, Scrau NU.	140.	(Oenta cedon		Replacement	(YES or NO)
	Piping	Stone & Webster	N/A	N/A	CH-95	1976	Replaced	No
	Piping	FENOC	N/A	N/A	CH-95	2000	Replace- ment	No
7.	Description	of Work <u>Replac</u>	ed section of pip	e and fittings to	o change its co	nfiguratio	n for clear	ance
			oses.					
8.	B. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp.							

9. Remarks No Code Data Reports available. Replacement was performed 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.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Swis-Em. Date May 5th , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesset Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Owner's Report during the period 2/14/00 to 5/1/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Cincol Commissions NB7509 (W.I.) PA 2162
Date May 11 . 20 00

Form	Nο	1248	
Form	INO.	1248	

_		· · · · · · · · · · · · · · · · · · ·		<del></del>				***	
1.	1. Owner F.E.N.O.C.			_ Da	ate		06-08	-2000	
		lain Street - Akro			neet _	1	of	1	
2.	Plant	Beaver Valley Po	ower Station	Ur	nit No.	**		<u> </u>	
		, ,							
		Shippingport, PA	15077	<del></del>	REP			068-000 NO., JOBNO.,	ETC.
		(ADDRESS)						,	
3.	Work Perfor	Ту	pe Code	e Symbol	Stamp	Not A	oplicable		
	i .	Shippingport, PA	15077	Αι	uthorizati	ion No.		N/A	
	•	(ADDRESS)							
	•			EX	piration	Date _	<del></del>	-	<del></del>
		•							
4.	Identification	n of System	Feedwater (Q3	)			**		
_			D46 5	40 Editio	_	Addondo		Codo C	
5.		Construction Code					•	Code C	as <del>u</del>
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements	1989E				
6.	Identification	n of Components	Repaired or Re	placed and Re	eplacem	ents Com	ponents	<b>3</b>	•
		ſ						Repaired,	ASME
	Maria de	N6	Manufacturer	National Board		Other	Year	Replaced, or	Code Stamped
	Name of Component	Name of Manufacturer	Serial No.	No.		ntification	Built	Replacement	(YES or
							<del> </del>		NO)
,	Theels Value	Pacific Valve	26522	N/A	1 1 1	-W-33	1976	Repaired	No
	Check Valve	Pacific valve	20322	IVA.	**	., 33	1,,,,	1107-1100	110
	Plug :	Consolidated Power Supply	N/A	N/A	H	t #65P	1996	Replace- ment	No
	•								
							<del> </del>		
				•					
							<u> </u>		
7.	Description	of Work Replace	ed two hinge pir	plugs.					
_	T	والمستقدرين	hadia [7]	oumatic [	Nomin	al Opera	ing Dro	seuro M	
8.	Tests Cond	7	<del>_</del>	eumatic 🗌		•	•		
		Other [	Pressure _	psi Te	st Temp	)		°F	

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1969E-S'71A
system.
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.
nepair Or replacement
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Expiration Date N/A
Signed / With Sevia- Ery Date June 8th 20 00
C Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I the undersineed helding a subtract of the su
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 2/23/00 to 6/9/00, 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.
The Asia Code and the requirements of the Asia Code, Section Al.
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.
$\bigcirc$
Crobert Cimoch Commission NB7509 (NI)PAZIKI
Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date June 9 20 00
, 20 <u>U</u>

Corm No	1051	
Form No.	1251	

			· · · · · · · · · · · · · · · · · · ·				
1. Owner	. Owner F.E.N.O.C.			÷	05-3	1-00	
76 South N	Main Street - Akro	on, OH 44308	_ She	et1	of	1	
2. Plant	Beaver Valley P	ower Station	Unit	No	1	<u> </u>	
	<b>V</b> · · · · · - <b>v</b>	N 15077		WO +	400.211	760.000	
	Shippingport, PA (ADDRESS)	15077		REPAIR ORGANIZ	ATION P.O.	769-000 NO., JOB NO.,	ETC.
3. Work Performed By BVPS - Construction Dept.				e Code Symbol	Stamp	Not Ap	plicable
	Shippingport, PA	A 15077	Auth	norization No		N/A	
	(ADDRESS)			iration Date _			
		D 1 1 - 1 0	·				
4. Identification	n of System	Recirculation S	pray (Class C)		· · · · · · · · · · · · · · · · · · ·	· <del></del>	
5. (a) Applicable	Construction Code	Section	<u>ill</u> 19 <u>68</u> Editi	on, <u>W'68</u> Ad	idenda,	Code Ca	S <del>e</del>
(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E			
6. Identification	n of Components	s Repaired or Re	placed and Rep	lacements Com	ponents	3	
						Repaired, Replaced,	ASME Code
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	or Replacement	Stamped (YES or
					<del> </del>		NO)
Heat	Industrial	6301-1	3179	RS-E-1A	1971	Repaired	Yes
Exchanger	Process						
					<u> </u>		
	<u> </u>						
7 Description	of Work Seal w	elded diaphragm	ne				
7. Description	OI WOIR OGGIN	oldog diapinagii					
	-	· · · · · · · · · · · · · · · · · · ·		<del> </del>		<del></del>	
8. Tests Cond	ucted: Hydros	tatic 🗌 Pne		Nominal Operat	-		
	Other [	Pressure _	psi Test	Temp		°F	

9. Remarks Heat exchanger was opened for normal maintenance inspection and cleaning. Diaphragms
were welded on re-assembly. Previous NIS-2 Data Reports Nos: 945, 854, 697, 690, 595, 557, 435,
and 295.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this to the rules of the ASME Code Section XI.  Repair Or Replacement conforms
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Sevic - Eng - Date May 31st , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the  Owner's Report during the period 2/22/00 to 6/2/0, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Commel Commissions NB7509(N,I)PA2162  National Board, State, Province, and Endorsements
Date June 2. 20 00

Form No.	1252	
FUIIII NO.	1232	

1. Owner	1. Owner F.E.N.O.C.				06-0	6-00		
76 South M	1ain Street - Akre	on, OH 44308	_ Sh	eet <u>1</u>	of			
2. Plant	Beaver Valley P	ower Station	Un	it No		<u> </u>	·	
<del> </del>	Shippingport, PA	<u> </u>	W.O.	#99-211 ATION P.O.	770-000 NO., JOB NO.,	ETC.		
3. Work Perfor	rmed By <u>BVPS</u>	Dept. Tyr	oe Code Symbol	Stamp	Not A	policable		
	Shippingport, PA (ADDRESS)	A 15077		thorization No piration Date _			<del></del>	
4. Identification	n of System	Recirculation S			· <u>-</u> -			
	Construction Code				idenda, _	Code Ca	150 ·	
., .,	Edition of Section XI	•	•		nonenti		-	
o. Identinication	Tor Components	nepalled of Ne	placed and ne	piacements con	iponenta			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
Heat Exchanger	Industrial Process	6301-3	3181	RS-E-1C	1971	Repaired	Yes	
<b>**</b>								
7. Description of Work Seal welded diaphragms, and installed and seal welded two tube plugs.								
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp.								

9. Remarks Heat exchanger was opened for normal maintenance inspection and cleaning. Diaphragms
were welded on re-assembly. Previous NIS-2 Data Reports Nos: 946, 855, 698, 689, 596, 558, 486,
288, and 156. The two tube plugs were installed to plug a tube identified during eddy current exam.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Stute Spier Eng. Date June 6th , 20 00
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 amployed by Easter Michael Incommon Co.
and the State or Province of <u>Pennsylvania</u> and employed by <u>Factory Mutual Insurance Co.</u> of <u>Johnston, R.I.</u> have inspected the components described in the
Owner's Report during the period $\frac{3/22/00}{2}$ to $\frac{6/7/00}{0}$ , and state that to the
Johnston, R.I. have inspected the components described in the
Johnston, R.I. have inspected the components described in the  Owner's Report during the period 2/22/00 to 6/7/00, and state that to the  best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/2/2/00 to 6/7/00, 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

Form No.	1253
POHII NO.	1200

				<del></del>				
1. Owner	F.E.N.O.C.		_ 0	ate		06-08	-2000	
	lain Street - Akro		_	sheet	1	of	1	<u></u>
2. Plant	Beaver Valley P	ower Station		Jnit No			<u> </u>	
	Chinainenant Di	15077		147	O #99	21116	2-000 -006	2
	Shippingport, PA (ADDRESS)	15077		REPAIR	ORGANIZA	TION P.O.	8-000, -006 NO., JOB NO.,	ETC.
3. Work Perfor	med By <u>BVPS</u>	- Maintenance	Т	ype Code S	Symbol	Stamp	Not A	oplicable
	Shippingport, PA	15077	Α	uthorization	No		N/A	
	(ADDRESS)			expiration Da				
4. Identification	n of System _	Residual Heat	Removal (Q2	2)	. <u>.</u>			<del></del>
5. (a) Applicable	Construction Code	B31.1	19 <u>67</u> E	Edition, <u>S'71</u>	Add	denda, _	N/A Code (	Case
(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacement	ts <u>1989E</u>	-			
6. Identification	n of Components	Repaired or Re	placed and R	Replacemen	ts Com	ponents	3	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Oth Identific		Year Buik*	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Relief Valve	Crosby	532 <b>37M</b> 1	N/A	RV-1R	H-721	1976	Replaced	No
Relief Valve	Crosby	N69973M1	N/A	RV-IR	H-721	2000	Replace- ment	No
		·						
7. Description	of Work Replac	ed valve with sp	are			<del></del>	<u>, , , , , , , , , , , , , , , , , , , </u>	
8. Tests Cond	ucted: Hydros	_	eumatic [	Nominal	•	-		

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71
system. *Year installed.
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.  Repair Or Replacement
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Super or Owner's Designee. Title Date June 22nd , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of  Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{8/17/99}{}$ to $\frac{6/23/00}{}$ , 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.
China a napatem associatios min and requirements of the years could year.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Cemoch Commissions NB 7509 (N, I) PA 2162  National Board, State, Province, and Endorsements
Date June 23. 20 00

Form	No.	1254	
1 01111	110.	1234	

1.	1. Owner F.E.N.O.C.				te	06-19-2000				
	76 South M	Main Street - Akr	on, OH 44308	_ Sh	eet1	· 0	f	<u>!</u>		
2.	Plant	Beaver Valley P	ower Station	Un	it No.	,	1			
		Shippingport, PA	A 15077		W.O. #99-204982-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.					
3.	3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Apr									
		Shippingport, PA (ADDRESS)	<u> 15077</u>		Authorization No. N/A  Expiration Date "					
4.	Identification	n of System _	Residual Heat	Removal (Q2)	· · · · · · · · · · · · · · · · · · ·			<del></del>		
5.		Construction Code				1,	Code Ca	1S <del>0</del>		
6.		Edition of Section XI		•		nponent	<b>S</b>			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Edentification	Year Built	Repaired, Replaced, or Replacement	ASME -Code Stamped (YES or NO)		
	Pump	Ingersoll- Dresser	A1208	N/A	IRH-P-1A	1993	Replaced	No		
	Pump	Ingersoll- Dresser	1170-21	N/A	IRH-P-IA	1976	Replace- ment	No		
7.	7. Description of Work Replaced pump with spare.									
8.	3. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp°F									

9. Remarks No Code Data Reports available. Pump is installed into an ANSI B31.1 1967E-S'71A
system. Previous NIS-2 Code Data Report Nos: 509 and 491.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Si
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>Factory Mutual Insurance Co.</u> of <u>Johnston, R.I.</u> have inspected the components described in the
Owner's Report during the period $\frac{3/7/00}{}$ to $\frac{6/20/00}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Cincol Commissions NB 7509 (N,I) PA 2162  National Board, State, Province, and Endorsements
Date

Form No.	1255	
CONTINU.	1233	

1. Owner			_ Da	Date05-05-2000					
76 South M	Main Street - Akr	on, OH 44308	_ Sh	eet <u>1</u>	of		1		
2. Plant	Beaver Valley P	ower Station	Un	it No.		1			
	Shippingport, PA	A 15077		W.O. #99-211159-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.					
3. Work Perfo	rmed By <u>BVPS</u>	- Maintenance	тур	Type Code Symbol Stamp Not Applicable					
	Shippingport, PA	À 15077		Authorization No					
4. Identification	n of System _	Reactor Coolar		mation Date _					
				tion, <u>S'68</u> Ad	denda, _	Code Ca	ase ,		
	Edition of Section XI n of Components	•	·	1989E placements Com	ponent	s			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
Relief Valve	Target Rock	3	N/A	RV-1RC-551A	1973	Replaced	Yes		
Relief Valve	Target Rock	1	N/A	RV-1RC-551A	1973	Replace- ment	Yes		
		· · · · · · · · · · · · · · · · · · ·			-:				
7. Description of Work Replaced valve with spare and one outlet stud.									
8. Tests Condi	ucted: Hydrost Other 🗌		<del></del>	Nominal Operati	•				

9. Remarks Previous NIS-2 Data Report No: 892. Valve was replaced with a spare for testing purposes.
Serial No. 1 had previously been repaired under P.O. #D136116, MWR #074908 at Wyle Labs.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Source or Owner's Designee, Title Date May 5th , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{2/25/60}{}$ to $\frac{5/11/60}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this.  Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB 7509 (N,I) PA2162 Inspector's Signature Commissions NB 7509 (N,I) PA2162
Date May 11, 20 00

Form No.	1260	
Form No.	1260	

-									
1.	Owner	F.E.N.O.C.		_ [	Date _		05-3	1-00	
	76 South N	Main Street - Akro	on, OH 44308	_	Sheet	1	of	1	<u> </u>
2.	Plant	Beaver Valley P	ower Station	(	Jnit No.		•	<u>.</u>	
		Shippingport, PA	15077			W.O. #	00-003	336-000	
(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.								ETC.	
3.	Work Perfo	rmed By <u>BVPS</u>	Dept. 7	Гуре Со	de Symbol	Stamp	Not A	policable	
		Shippingport, PA	A 15077			ation No			· · · · · · · · · · · · · · · · · · ·
		(**************************************		E	Expiratio	n Date		44	
4.	Identification	n of System	Residual Heat	Removal (Cla	ass C)				
		Construction Code				N/A Addends	l.	N/A Code (	Case
٠.		Edition of Section XI	·			······	••	<u> 1477</u> 0008 (	Jas <del>u</del>
_									
ъ.	Identification	n of Components	Hepaired or He	placed and r	черіасеі	ments Com	ponents	5	
								Repaired, Replaced,	ASME Code
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	Year Built	or Replacement	Stamped (YES or
He	at Exchanger	Joseph Oat Co.	1832-1	368	11	RH-E-1A	1969	Repaired	Yes
	Studs	Nova Machine	N/A	N/A	,	t # 8993360 .ot #QZC	1999	Replace- ment	No
	Nuts	Nova Machine	N/A	N/A		eat #52317 ot #CDR	1999	Replace- ment	No
	Nuts	Nova Machine	N/A	N/A		at #4906565 .ot #QZD	1999	Replace- ment	No
7.	Description	of Work Replac	ed heat exchang	ger flange stu	ıds and	nuts, and w	eld rep	aired supp	ort
8.	*Tests Cond	· .	static  Pn	eumatic 🗌 psiT		ninal Opera	ting Pre	essure 🗌	*N/A

9. Remarks No Code Data Report available. Flange studs and nuts were replaced due to boric acid
leakage. Support was modified to allow for stud removal. Previous NIS-2 Code Data Report No
414.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Scalor Eng. Date June 1st , 20 00
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co.">Factory Mutual Insurance Co.</a> of
Owner's Report during the period 3/6/00 to 6/2/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509 (NJI) PA2162 National Board, State, Province, and Endorsements
Date June 2, 20 00

<b>_</b>		
Form No.	1261	

1.	Owner	F.E.N.O.C.		Da	ite	05-3	31-00		
	76 South M	Main Street - Akr	on, OH 44308	Sh	eet1	O	f	1	
		(ADDRESS)		<del></del>					
2.	Plant	Beaver Valley P	ower Station	Un	it No.		1		
		Shippingport, P	A 15077		W.O. #	100-003	337-000	ETC	
3.	Work Perfo	rmed By <u>BVPS</u>	Dept. Ty	pe Code Symbol	•		•		
			(NAME) A 15077	Au	thorization No		N/A		
		(ADDRESS)			piration Date _		u		
4.	. Identification of System Residual Heat Removal (Class C)								
5.	. (a) Applicable Construction Code <u>Section III</u> 19 68 Edition, <u>N/A</u> Addenda, <u>N/A</u> Code Case								
_		Edition of Section X	•	·					
6.	Identification	n of Components	Repaired or Re	placed and Re	placements Com	ponent	8		
	Name of	Name of	Manufacturer	National Board	Other	Year	Repaired, Replaced, or	ASME Code Stamped	
	Component	Manufacturer	Serial No.	No.	Identification	Buik	Replacement	(YES or NO)	
Не	eat Exchanger	Joseph Oat Co.	1832-2	369	1RH-E-1B	1969	Repaired	Yes	
	Studs	Nova Machine	N/A	N/A	Heat #70204 Lot #36268024	1999	Replace- ment	No	
	Nuts	Nova Machine	N/A	N/A	Heat #M52317 Lot #CDR	1999	Replace- ment	No	
	Nuts	Nova Machine	N/A	N/A	Heat #4906565 Lot #QZD	1999	Replace- ment	No	
7.	Description	of Work Replac	ed heat exchang	ger flange studs	and nuts.				
0	*Toote Co-	dunakadu Utudasa	statio 🗀 . O-	aumatic 🗖	Nominal Oncari	lina D			
ο.	*Tests Cond	auctea: Hyaros Other []		eumatic   psi Tes	Nominal Operate t Temp	•	ssure U	*N/A	
			-						

9. Remarks No Code Data Report available. Flange studs and nuts were replaced due to boric acid
leakage. Previous NIS-2 Code Data Report No415.
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.  Repair Or Replacement conforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Scalor Eng Date June 1st , 20 00
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co">Factory Mutual Insurance Co</a> , of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/6/00 to 6/2/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Comoch Commissions NB7509(N,I) PA2162  National Board, State, Province, and Endorsements
Date <u>June 2</u> , 20 <u>00</u>

Form	No	1262	
F-436411	INU.	IZUZ	

1.	Owner	F.E.N.O.C.	_ Dat	е	04-19	-2000				
	76 South M	fain Street - Akro	on, OH 44308	_ She	eet <u>1</u>	of		1		
2.	Plant	Beaver Valley P	ower Station	Uni	t No.	<u> </u>	I	····		
		Shippingport, PA	A 15077		W.O. #	100-003 ATION P.O.	339-000 NO., JOB NO.,	ETC.		
3.	Work Perfo	rmed By _BVPS	- Construction	Тур	e Code Symbol	Stamp	Not A	policable		
		Shippingport, PA (ADDRESS)	A 15077		horization No			·		
4.	Expiration Date									
	5. (a) Applicable Construction CodeB31.119_67_ Edition, Addenda, Code Case									
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements	1989E					
6.	Identification	n of Components	Repaired or Re	placed and Rep	placements Com	ponents	3			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
	Piping	Stone & Webster	N/A	N/A	FE-1RH-605	1976	Repaired	No		
				E						
			·							
					;					
								<b>43</b> 71		
7.	7. Description of Work Replaced flange studs and nuts.									
8.	8. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A									

9. Remarks No Code Data Report available. Studs and nuts were replaced as the result of a gasket
leak and boric acid degradation.
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed Study Early Date April 19 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
e de la composition della comp
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>Factory Mutual Insurance Co.</u> of
Johnston, R.i. have inspected the components described in the
Owner's Report during the period 2/27/06 to 4/24/60, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB 7509 (NJ) PA 2162  Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date



Form No.	1264	

1. Owner				Date		04-0	3-00	<del></del>	
76 South	(NAME)  Main Street – Akr (ADDRESS)	on, OH 44308	;		1			1	
2. Plant	Beaver Valley P	ower Station		Unit No.		·	1		
	Shippingport, PA 15077					#9 <b>9-2</b> 13	625-000		
3. Work Perfo		Type Cod	e Symbol	Stamp	Not A	policable			
	Shippingport, PA	A 15077	/	Authoriza	ion No		N/A		
				Expiration	Date _				
4. Identificatio	n of System _	River Water (C	(3)		·				
5. (a) Applicable	Construction Code	B31.1	19 <u>67</u>	Edition,S	<u>'71</u> Ad	idenda, _	N/A Code (	Case	
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacemen	its <u>1989E</u>	<del></del> .				
6. Identificatio	n of Components	Repaired or Re	placed and f	Replacem	ents Com	ponents	3		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other ntification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
Check Valve	Pacific Valves	N/A	N/A	1R	W-487	1976	Replaced	No	
Nozzle Check	Enertech	10887	N/A	1R	W-487	1998	Replace- ment	No	
						·		·	
7. Description	of Work Replace	ed valve and fitti	ngs.						
* - 2		•		<u> </u>					
8. Tests Cond	ucted: Hydrost Other 🗌	<del></del>	umatic 🗌 psi Te		al Operati	_	sure ⊠ °F		

9. Remarks No Code Data Reports available. Replaced valve and fittings in accordance with Code
Case N-416-1. Valve was manufactured to ANSI B16.34 and 10800-DMS-0251.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed 4 April 3 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.  Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{2/28/00}{}$ to $\frac{4/5/00}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509(N,I) PA2162  Inspector's Signature Commissions NB7509(N,I) PA2162
Date

Form No.	1266
1 01111 140.	1500

1. Owner F.E.N.O.C.				Date		04-17-	-2000	<del></del>
76 South M	lain Street - Akro	n, OH 44308	_	Sheet	1_	of	1	<del></del>
2. Plant	Beaver Valley Po	wer Station	·	Unit N	o			
	Shippingport, PA 15077 (ADDRESS)						975-000 NO., JOB NO.,	ETC.
3. Work Performed By BVPS - Maintenance (NAME)				Type Code Symbol Stamp Not Applicable				
	Shippingport, PA	15077		Autho	rization No		N/A	
	(ADDRESS)			Expira	tion Date _		u	
4. Identification	n of System	Residual Heat I	Removal (	Q2)				
5. (a) Applicable	Construction Code	B31.1	19 <u>67</u>	_ Edition	, <u>S'71</u> Ad	ddenda,	N/A Code (	Case
(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacem	ents <u>19</u>	989E			
6. Identification	n of Components	Repaired or Re	placed and	d Repla	cements Com	ponents	5	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Bo No.	ard	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped - (YES or NO)
Gate Valve	Crane Valve	N/A	N/A		1RH-7	1976	Repaired	No
,								
÷								·
7. Description	of Work Replac	ed body to bonn	l let studs a	nd nuts	•			
8. *Tests Con	ducted: Hydros		neumatic [	_	Nominal Opera Test Temp.	-		*N/A

9. Remarks No Code Data Reports available. Body to bonnet studs and nuts were replaced as the
result of a gasket leak that allowed boric acid accumulation and degradation.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed Scale Eag. Date April 17 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I the undersigned helding a suit t
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.
have inspected the components described in the
Owner's Report during the period $\frac{11/30/99}{}$ to $\frac{4/19/00}{}$ , 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
Relient Com and A
Inspector's Signature Commissions NB 7309 (NJ) PR 2 162  National Board, State, Province, and Endorsements
Date

Form No.	1268	
COHILINO.	1200	

1.	Owner	wner F.E.N.O.C.			Date04-19-2000				
	76 South M	lain Street - Akro	on, OH 44308	_ s	heet _	1_	of		<u>「</u>
2.	Plant	Beaver Valley P	ower Station	L	Init No.	· · · · · · · · · · · · · · · · · · ·	1	<u> </u>	
Shippingport, PA 15077					W.O. #98-072391-000				
(ADDRESS)  REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.  3. Work Performed By BVPS - Maintenance Type Code Symbol Stamp Not Application P.O. No., JOB NO., ETC.									
		Shippingport, PA	(NAME)	Δ	Authorization NoN/A				
		(ADDRESS)	13017		Expiration Date				
4.	4. Identification of System Residual Heat Removal (Q2)								
5.		Construction Code					denda, _	Code Ca	150
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacement	ts <u>1989E</u>	_			
6.	Identification	n of Components	Repaired or Re	placed and R	leplaceme	ents Com	ponents	3	
Name of Name of Manufacturer National Board Other Year or Stamped Component Manufacturer Serial No. No. Identification Built Replacement (YES or NO.)							Code Stamped		
Gate Valve		Crane Valve	N/A	N/A	11	RH-9	1976	Repaired	No
				-					•
						<u></u>			
	·								
7.	Description	of Work <u>Replac</u>	ed body to bonn	et studs and	nuts.				
8.	8. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A								

9. Remarks No Code Data Report available. Studs and nuts were replaced as the result of a gasket
leak and boric acid degradation.
•
· CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed School Date Date April 19, 2000
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Owner's Report during the period
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB 7509 (N, I) PA2162  Inspector's Signature Commissions NB 7509 (N, I) PA2162
Date April 24, 20 00

Form No.	1270	
FOITH NO.	12/0	

_										
1.	Owner F.E.N.O.C.			_ Dat	te	06-13	-2000			
		·	on, OH 44308		eet1_	of	1			
2.	Plant Beaver Valley Power Station			Uni	Unit No. 1					
Shippingport, PA 15077				W.O. #96-053910-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.						
3.	3. Work Performed By <u>BVPS - Maintenance</u>				Type Code Symbol Stamp Not Applicable					
		Shippingport, P	A 15077	Aut	horization No	N/A	N/A			
		(ADDRESS)			Expiration Date					
4.	Identification	on of System _	Reactor Coolar	nt (Q1)						
5.	(a) Applicable	e Construction Code	B16.5	19 Edition	, Addenda,	···	Code Cas	se		
	(b) Applicable	Edition of Section X	I Utilized for Repairs	or Replacements	1989E					
6.	Identificatio	on of Component	s Repaired or Re	placed and Re	placements Com	ponent	S			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
	lobe Valve	Velan	H-49378-234	N/A	MOV-1RC-556C	1976	Repaired	No		
	Plug	Velan	547	N/A	Ht. Trace 30F	1993	Replace- ment	No		
7.	Description	of Work <u>Replac</u>	ced valve plug.							
8.	*Tests Con	•	· <del></del>	eumatic	Nominal Opera	-		*N/A		

9. Remarks No Code Data Reports available. Valve is installed into an ANSI B31.1 1967E-S'71A line.
OFFICIAL OF COMPLIANCE
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.  Repair Or Replacement conforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Si
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.
Johnston, R.I. haye inspected the components described/in the
Owner's Report during the period 3/6/00 to 6/15/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cincol Commissions NBT 509 (NJ) PA 2162
Date

C N1-	4070	
Form No.	1272	

1. Owner	F.E.N.O.C.		_ Da	te	05-04	-2000			
76 South M	lain Street - Akr	on, OH 44308	Sh	eet <u>1</u>	of	·	1		
2. Plant	Beaver Valley P	ower Station	Un	it No.	-	1	···········		
Shippingport, PA 15077 (ADDRESS)				W.O. #98-075700-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.					
3. Work Performed By BVPS - Construction (NAME)				Type Code Symbol Stamp Not Applicable					
	Shippingport, PA	A 15077	Au	thorization No		N/A			
	(ADDRESS)			piration Date _		"			
4. Identification	4. Identification of System River Water (Q3)								
5. (a) Applicable	Construction Code	B31.1	19 <u>67</u> Edi	tion, <u>S'71</u> Ad	denda, _	N/A Code (	Case		
(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E					
6. Identification	n of Components	Repaired or Re	placed and Re	placements Com	ponents	\$			
Name of Name of Manufacturer National Board Other Year or Stamp Component Manufacturer Serial No. No. Identification Built* Replacement (YES							ASME Code Stamped (YES or NO)		
Rubber Expansion Joint	Goodall	N/A	N/A	REJ-1RW-25R	1995	Replaced	No		
Rubber Expansion Joint	Garlock	S/C 1001158 Ht-0-0814	N/A	REJ-1RW-25R	2000	Replace- ment	No		
7. Description	of Work <u>Replac</u>	ed rubber expan	sion joint.		I				
8. Tests Condu	•	atic  Pne	eumatic 🗌 psi Tesi	Nominal Operati t Temp.	•	ssure 🛛 °F			

9. Remarks No Code Data Report available. Replaced rubber expansion joint due to end of
manufacturers recommended life. Previous NIS-2 Data Report No: 765. *Year installed.
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.  Repair Or Replacement conforms
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed State For Date
Signed Signed Owner's Designee, Title Date May 4 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the Owner's Report during the period 2/7/00 to 5/4/00, 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.
Probert, Cimor B) NR7509 (NI) PASIO
Inspector's Signature Commissions /VB /3 07 (7, 1) PA 1/81  National Board, State, Province, and Endorsements
Date

Earm	Nio	1070	
Form	NO.	1273	

1.	1. Owner F.E.N.O.C.			_ Dat	Date06-13-2000					
	76 South M	(ADDRESS)	on, OH 44308	_ She	et <u>1</u>	of	1			
2.	Plant	Beaver Valley P	ower Station	Unit	! No	•	<u></u>			
		Shippingport, PA		W.O. #99-214379-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.						
3.	3. Work Performed By BVPS - Maintenance (NAME)				e Code Symbol	Stamp	Not A	oplicable		
		Shippingport, PA	A 15077	<del></del>	horization No	•				
				Exp	iration Date _					
4.	Identification	n of System _	River Water (Q	3)						
5.	(a) Applicable	Construction Code	B31.1	19 <u>67</u> _ Edit	ion, <u>S'71</u> Ad	ldenda, _	N/A Code (	Case		
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E					
6.	Identification	of Components	Repaired or Re	placed and Rep	olacements Com	ponents	3			
	Name of Component	Name of Manufacturer	Massufacturer Serial No.	National Board No.	Other Idensification	Year Built	Repaired, Replaced, of Replacement	ASME ,Code Stamped (YES or NO)		
C	heck Valve	C & S Valve	89-0929-01(Q)-02	N/A	1 <b>RW</b> -107		Replaced	No		
C	heck Valve	Crane Valve	C020033	N/A	1RW-107	1999	Replace- ment	No		
-										
	"									
7.	7. Description of Work Replaced valve with spare.									
8.	8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure  Other Pressure psi Test Temp°F									

9. Remarks No Code Data Reports available. Previous NIS-2 Code Data Report Nos: 958 and 65	55
Valve was manufactured to ANSI B16.34. Valve was manufactured by Crane Valve and	<del></del>
commercially dedicated by Atwood & Morrill and assigned serial number 1-50059-01.	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this Replacement co to the rules of the ASME Code Section XI.	onforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"	
Certificate of Authorization No. N/A Expiration Date N/A	
Signed Signed Suite - Ety Date June 19th , 20	00
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors	
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of	-
Johnston, R.I. have inspected the components described in the	
Owner's Report during the period, and state that to the	
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in thi Owner's Report in accordance with the requirements of the ASME Code, Section XI.	3
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 withis inspection.	loyer
Commissions NB7509 (V, I) PA 21  Inspector's Signature Commissions NB7509 (V, I) PA 21	62
Date June 20, 20 00	

Form No.	1279	
1 01111 140.		

				<del></del>						
1.	Owner	F.E.N.O.C.		. D	ate _		05-03-	2000		
	76 South M	ain Street - Akron	n, OH 44308	_ s	heet	1_	of	1		
2.	Plant	Beaver Valley Po	wer Station	U	Init No.	<del> </del>	1			
		Shippingport, PA			W.O.#	99-2110	085-000			
		(ADDRESS)			R	EPAIR ORGANIZA	TION P.O.	NO., JOB NO., 1	ETC.	
3.	Work Perfor	med By BVPS	- Construction (NAME)		••	de Symbol S				
		Shippingport, PA	15077		Authoriza	ation No		N/A		
		(ADDRESS)				n Date		4		
	•				-xpiiatic					
1	Identification	of System	Reactor Coolar	nt (Q1)					·	
									`~~	
5.		Construction Code					denda, _	IN/A Code C	ase	
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacemen	its <u>1989</u>	E				
6.	Identification	n of Components	Repaired or Re	placed and F	Replace	ments Com	ponents	3		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	Year Buik	Repaired, Replaced, or Replacement	Code Stamped (YES or	
	Snubber	ITT Grinell	8425 (V6791B)	N/A	F	RC-HSS-4	N/A	Replaced	No	
	Snubber	ITT Grinell	VB-7238B	N/A	I	RC-HSS-4	N/A	Replace- ment	No	
L_ 7	7. Description of Work Replace snubber with spare.									
{	8. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. •F *N/A									

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
M. C
Signed Date May 03 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.
Owner's Report during the period
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
$\sim$ 1 1 $\sim$ $\sim$ $\sim$ 1
Commissions NB7509 (N,I) PA 2162  Inspector's Signature Commissions NB7509 (N,I) PA 2162
Date May 4 , 20 00

Form	No.	1280
I VIIII	110.	1200

1.	Owner	F.E.N.O.C.	D:	ate	04-17	<u>-2000</u>					
	76 South M	Main Street - Akro	on, OH 44308	_ SI	neet	10	f	<u> </u>			
2.	Plant	Beaver Valley Po	ower Station	U	nit No.	<del></del>	1	<del></del>			
		Shippingport, PA	15077		W	O. #99-211	086-000				
		(ADDRESS)	1 10077		REPAIR ORG	ANIZATION P.O.	NO., JOB NO.,	ETC.			
3. Work Performed By BVPS - Construction Type Code S						bol Stamp	Not A	policable			
		Shippingport, PA	15077	Au	uthorization No	).	N/A				
		(ADDRESS)									
				E)	piration Date						
4.	Identification	n of System	Reactor Coolar	nt (Q1)			<u>-</u>				
5.	(a) Applicable	Construction Code	B31.1	19 <u></u> 67Ed	lition, S'71	Addenda,	N/A Code	Case			
		Edition of Section XI				_					
	(o) 1 (pp.:/oab.o	20.00									
6.	Identification	n of Components	Repaired or Re	placed and Re	eplacements C	component	s				
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or			
	•							NO)			
	Snubber	ITT Grinell	25408	N/A	RC-HSS-10	01 N/A	Replaced	No			
	Snubber	ITT Grinell	25471	N/A	RC-HSS-10	01 N/A	Replace- ment	No			
-				-							
				<del></del>							
7.	7. Description of Work Replace snubber with spare.										
	•										
8.	B. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp.										

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Date April 17 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
AND THE PARTY OF T
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>Factory Mutual Insurance Co.</u> of
Johnston, R.I. have inspected the components described in the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Rebert Commissions NB7509 (N,I) PA 2162 Inspector's Signature Commissions NB7509 (N,I) PA 2162 National Board, State, Province, and Endorsements
Date <u>April 19</u> , 20 <u>00</u>

Form No.	1281	
FORM NO.	1201	

1.	Owner	F.E.N.O.C.		Da	ate	04-1	19-00			
		Main Street - Akre (ADDRESS)			neet1	0	f	1		
2.	Plant	Beaver Valley P	ower Station	Ur	nit No.		1			
	****	Shippingport, PA	A 15077		W.O. :	# <u>99-211</u> ation p.o.	089-000 NO., JOB NO.,	ETC.		
3.	Work Perfo	rmed By <u>BVPS</u>	- Construction	Ту	pe Code Symbol	Stamp	Not A	pplicable		
		Shippingport, PA	A 15077	Αι	ithorization No		N/A			
		(ADDRESS)		·	piration Date _		•			
4.	Identification of System Recirculation Spray (Q2)									
5.					ition, <u>S'71</u> Ac	idenda, _	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	ITT Grinell	25891	N/A	RS-HSS-229	N/A	Replaced	No		
	Snubber	ITT Grinell	25922	N/A	RS-HSS-229	N/A	Replace- ment	No		
	<del>7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</del>							· · · · · · · · · · · · · · · · · · ·		
7.	Description	of Work Replac	ed snubber with	spare.						
8.	*Tests Cond	ducted: Hydros			Nominal Opera	ting Pre	essure 🔲	N/A		

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed School Date April 19 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 12779 to 472500, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comerch Commissions NB 7509 (N, I) 2162  National Board, State, Province, and Endorsementa
Date

Form No.	1282	
CODILINO.	1202	

						<del></del>				
1.	Owner	F.E.N.O.C.		<u> </u>	Date		04-1	9-00		
	76 South	Main Street - Akro	on, OH 44308	_	Sheet	1	o	f1	<u> </u>	
2.	Plant	Beaver Valley P	ower Station		Unit No.			1	·	
		Shippingport D/	\ 15077	•		W O	#00 211	004 000		
		Shippingport, PA (ADDRESS)	1 150//	<del></del>	ı	REPAIR ORGANIZ		091-000 NO., JOB NO.,	ETC.	
3.	Work Perfo	ormed By <u>BVPS</u>	- Construction		Type Code Symbol Stamp Not A				pplicable	
	Shippingport, PA 15077				Authoriz	ation No		N/A		
	(ADDRESS)					on Date				
					LAPIIA	JII Date _				
4.	Identification	on of System _	Safety Injection	1 (Q2)						
5.	6. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>S'71</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 Boar No.	d	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	8401	N/A	s	SI-PSSP-9	N/A	Replaced	No	
	Snubber	ITT Grinell	8873	N/A	S	SI-PSSP-9	N/A	Replace- ment	No	
7.	Description	of Work Replac	ed snubber with	spare.						
8.	8. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A									

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Aller Savor Ey Date April 19 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of  Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{12/7/99}{}$ to $\frac{4/25/00}{}$ , 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 lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in any manner for any personal lighter or associated demand on the liable in the liable in any manner for any personal lighter or associated demand on the liable in th
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comord Commissions NB 7509 (N, I) PA 2162  National Board, State, Province, and Endorsements
Date April 25, 2000

Form	No	1283	
1 01111	110.	1200	

_			<del></del>					
1.	Owner	F.E.N.O.C.	_ Da	te	04-1	9-00		
	76 South M	Main Street - Akro	on, OH 44308	_ Sh	eet <u>1</u>	O	i1	<u>l</u>
2.	Plant	Beaver Valley Po	ower Station	Un	it No.		1	
		Shippingport, PA	15077		W.O.		095-000	FTC
3.	Work Perfo	rmed By <u>BVPS</u>	- Construction	Т	pe Code Symbol			
		Shippingport, PA	Au	thorization No		N/A		
		(ADDRESS)	Ex	piration Date _		4	<del> </del>	
4.	Identification	n of System	Safety Injection	n (Q2)				
5.		Construction Code  Edition of Section XI				ddenda, _	N/A Code	Case
6.		n of Components				nponent	s	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code - Stamped (YES or NO)
	Snubber	ITT Grinell	12180	N/A	SI-HSS-515	N/A	Replaced	No
	Snubber	ITT Grinell	12168	N/A	SI-HSS-515	N/A	Replace- ment	No
	•							
7.	Description	of Work Replac	ed snubber with	spare.				
8.	*Tests Cond	ducted: Hydros	<del></del>		Nominal Opera	_		'N/A

9. Remarks No Code Data Reports available.
,
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Seulo Eur Date April 19 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Owner's Report during the period $1900$ to $4200$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Cimoch Commissions NB7509(NT) PA 2162  Inspector's Signature Commissions NB7509(NT) PA 2162  National Board, State, Province, and Endorsements  Date
Date

Form	No	1284	
COIII	INU.	1204	

1.	Owner	F.E.N.O.C.		_ Da	ite	04-1	9-00		
		fain Street - Akro			eet <u>1</u>	of	·1		
2.	Plant	Beaver Valley Po	ower Station	Un	it No.		1		
	Shippingport, PA 15077 (ADDRESS)				W.O.		096-000 NO., JOB NO.,	ETC.	
3.	Work Perfor	rmed By <u>BVPS</u>	- Construction	Ту	pe Code Symbol	Stamp	Not Ar	oplicable	
		Shippingport, PA	•	Διι	thorization No		N/A		
		(ADDRESS)	13077		piration Date _		u '		
4.	. Identification of System Safety Injection (Q2)								
5	(a) Applicable	Construction Code	R31 1	19 67 Ed	ition S'71 A	idenda	N/A Code (	Case	
J.		Edition of Section XI						<b>J</b>	
6.	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 Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	VB-7239	N/A	SI-HSS-522	N/A	Replaced	No	
	Snubber	ITT Grinell	8806	N/A	SI-HSS-522	N/A	Replace- ment	No	
								·	
7.	Description	of Work Replac	ed snubber with	spare.					
8.	*Tests Cond	ducted: Hydros Other [		eumatic 🗌 psi Tes	Nominal Opera	_		'N/A	

9. Remarks No Code Data Reports available.
•
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.  Replacement conforms Replacement
Type Code Symbol Stampper NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Armen July Service For Date April 19 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Owner's Report during the period 10/6/9 to 4/19/00 and state that to the
Owner's Report during the period 10/8/97 to 4/14/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB (7589) NI PA 2162  National Board, State, Province, and Endorsements
Date

Form N	<u> </u>	1285
FUILLIN	u.	1200

1.	Owner	F.E.N.O.C.		_ 0	Date	04-1	9-00		
	76 South M	lain Street - Akro	on, OH 44308	_ s	Sheet	0	f1		
2.	Plant	Beaver Valley Po	ower Station		Jnit No.		1		
		Shippingport, PA	15077			1.0. #99-211 RGANIZATION P.O		ETC.	
3.	Work Perfor	med By <u>BVPS</u>	- Construction	т	ype Code Syr	mbol Stamp	Not Ar	olicable	
		Shippingport, PA	15077	^	Authorization N	lo	N/A		
		(ADDRESS)		E	Expiration Date	• <u> </u>	u .		
4.	. Identification of System River Water (Q3)								
5.	(a) Applicable	Construction Code	B31.1	19 <u>67</u> E	Edition, <u>S'71</u>	Addenda, _	N/A Code 0	Cas <b>e</b>	
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacemen	ts <u>1989E</u>				
6.	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	ITT Grinell	8396	N/A	WR-HSS-	316 N/A	Replaced	No	
	Snubber	ITT Grinell	30094	N/A	WR-HSS-	316 N/A	Replace- ment	No .	
:									
7.	7. Description of Work Replaced snubber with spare.								
8.	8. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp.								

9. Remarks No Code Data Reports available.
,
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Source So
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of  Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{12/7/99}{}$ to $\frac{4/24/00}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cemoch Commissions NB7509 (N,T) PA2162  National Board, State, Province, and Endorsements
Date

Form No.	1286	
1 01111 140.	1200	

					and the same of th			
1.	Owner	F.E.N.O.C.		_ Da	te	04-1	9-00	•
	76 South M	fain Street - Akr	on, OH 44308	_ Sh	eet <u>1</u>	of	f1	
2.	Plant	Beaver Valley P	ower Station	Un	it No		1	
		Shippingport, P.		W.O.	#99-211	101-000		
		(ADDRESS)		REPAIR ORGANIZ	ZATION P.O.	NO., JOB NO.,	ETC.	
3.	Work Perfo	rmed By BVPS	6 - Construction (NAME)	Туј	oe Code Symbol	Stamp	Not A	policable
		Shippingport, P.	A 15077	Au	thorization No. $\_$		N/A	<del></del>
		(ADDRESS)		Ex	piration Date _		u	
4.	Identification	n of System _	Component Co	oling (Q3)				· · · · · · · · · · · · · · · · · · ·
5.	(a) Applicable	Construction Code	B31.1	19 <u>67</u> Edi	tion, <u>S'71</u> A	ddenda, _	N/A Code (	Case
	(b) Applicable	Edition of Section X	l Utilized for Repairs	or Replacements	1989E			
6.	Identification	n of Components	s Repaired or Re	placed and Re	placements Con	nponent	s	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
	Snubber	Pacific Scientific	2150	N/A	CC-HSS-1B	N/A	Replaced	No
	Snubber	Pacific Scientific	20926	N/A	CC-HSS-1B	N/A	Replace- ment	No
	<del></del>						·	
7.	Description	of Work Replac	ed snubber with	spare.	1			
8.	*Tests Cond	•	static		Nominal Opera	-	essure 🔲	·N/A

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed April 19 20 00
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>Factory Mutual Insurance Co.</u> of
Owner's Report during the period $12/7/99$ to $4/24/00$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509(N,I) PA2162  Inspector's Signature Commissions NB7509(N,I) PA2162
Date <u>April 24</u> , 20 <u>00</u>

Form No.	1287	
COMMINO.	1201	

1.	Owner	F.E.N.O.C.		_ Da	te	04-1	9-00	
	76 South M	Main Street - Akr	on, OH 44308	_ Sh	eet <u>1</u>	of		1
2.	Plant	Beaver Valley P	ower Station	Uni	t No		1	
		Shippingport, PA	<b>A</b> 15077		W.O. #	<del>‡99-211</del>	106-000	
	(ADDRESS) REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.							
3.	Work Perfo	rmed By <u>BVPS</u>	- Construction (NAME)	Тур	e Code Symbol	Stamp	Not A	policable
		Shippingport, PA	A 15077	Aut	horization No			
		,,		Exp	oiration Date _		<u> </u>	
4.	. Identification of System Reactor Coolant (Q1)							
5.	(a) Applicable	Construction Code	B31.1	19 <u>67</u> Edil	ion, <u>S'71</u> Ad	ldenda, _	N/A Code	Case
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E			
6.	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 Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
	Snubber	ITT Grinell	25914	N/A	RC-HSS-3	N/A	Replaced	No
	Snubber	ITT Grinell	22170	N/A	RC-HSS-3	N/A	Replace- ment	No
				=				
					<u> </u>	<u>[</u>		
7.	Description	of Work Replac	ed snubber with	spare.				
•						<del></del>		<del>, ,</del>
		·				·		<del></del>
8.	3. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A							

9. Remarks No Code Data Reports available.
,
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.  Repair Or Replacement conforms
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Continuate of Authorization No
Signed Signed Source Country Designee, Title Date April 19 , 20 00
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 of of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{12/7/99}{}$ to $\frac{4/24/60}{}$ , 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.
Owner's report in accordance with the requirements of the Asiac Good, Section Al.
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 liable in any mariner for any personal injury or property damage or a loss of any fund ansing from or connected with this inspection.
aa + aa
Robert Cimoch Commissions NB7509(N, I) PH 2162
Inepector's Signature National Board, State, Province, and Endorsements
Date

Form No.	1288	
FUIII NO.	1200	

_						سنبين بسيد		
1.	Owner	F.E.N.O.C.		_ Da	te	04-1	9-00	
		Main Street - Akro			eet <u>1</u>	of	i	<u> </u>
2.	Plant	Beaver Valley P	ower Station	Uni	it No.		1	
	Shippingport, PA 15077 (ADDRESS)				W.O.		110-000 NO., JOB NO.,	ETC.
3.	3. Work Performed By BVPS - Construction (NAME)				e Code Symbol	Stamp	Not A	policable
		Shippingport, PA	15077	Διit	horization No		N/A	
		(ADDRESS)	13077		<del></del>			
				Exi	oiration Date _			
4.	Identification of System Safety Injection (Q2)							
5.		Construction Code				ddenda, _	N/A Code (	Case
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements	1989E			
6.	5. 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	ITT Grinell	8190	N/A	SI-PSSP-10	N/A	Replaced	No
	Snubber	ITT Grinell	25881	N/A	SI-PSSP-10	N/A	Replace- ment	No
		·						
				•				
7.	Description	of Work Replac	<u>ed snubber with</u>	spare.				
8.	*Tests Cond	ducted: Hydros Other	<del>_</del>	eumatic 🗌	Nominal Opera	_		'N/A

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
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.  Replacement conforms Replacement
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Stude Source Eng. Date April 19 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{12/7/99}{}$ to $\frac{4/24/00}{}$ , 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.
Owner's Report in accordance with the requirements of the ASME Code, Section At.
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.
$\alpha \wedge \alpha \wedge$
Robert Comoch Commissions NB7509 (N,I) PA 2162
Inspector's Signeture National Board, State, Próvince, and Endorsements
Date

Form No.	1289	

1.	Owner	F.E.N.O.C.			Date _		04-1	9-00		
	76 South M	lain Street - Akro	on, OH 44308	:	Sheet	1	of	1		
2.	Plant	Beaver Valley Po	ower Station		Unit No1					
	Shippingport, PA 15077 (ADDRESS)				W.O. #99-211111-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.					
3.	. Work Performed By BVPS - Construction				Туре Со	de Symbol	Stamp	Not A	policable	
		Shippingport, PA	` '		Authoriza	ation No		N/A		
		(ADDRESS)		!	Expiratio	n Date _		44		
4.	Identification of SystemSafety Injection (Q2)									
5.	(a) Applicable	Construction Code	B31.1	19 <u> 67</u>	Edition,	<u>S'71</u> Ad	denda, _	<u>Ñ/A</u> Code (	Cas <del>e</del>	
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacemen	nts <u>1989</u>	<u> </u>				
6.	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 Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	12744	N/A	SI-F	SSP-33A	N/A	Replaced	No	
	Snubber	ITT Grinell	30093	N/A	SI-F	SSP-33A	N/A	Replace- ment	No	
									•	
7.	7. Description of Work Replaced snubber with spare.									
8.	*Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. *F *N/A									

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No. 472.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Source Source Source Signed Signed Signed Source So
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
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
Robert Comoch Commissions NB7509 (N,I) PA 2162  Inspector's Signature Commissions National Board, State, Province, and Endorsements
Date

Form No.	1290
Form No.	1290

_	****			<u> </u>						
1.	Owner	F.E.N.O.C.		-	Date		04-1	9-00		
		ain Street - Akro		<del>-</del>	Shee	t <u> </u>	of	1	<del></del>	
2.	Plant	Beaver Valley Po	wer Station		Unit No. 1					
		` · ·	15077		W.O. #99-211113-000					
	Shippingport, PA 15077 (ADDRESS)					REPAIR ORGANIZA	TION P.O.	NO., JOB NO.,	ETC.	
3.	B. Work Performed By BVPS - Construction (NAME)				Type Code Symbol Stamp Not Applicab				plicable	
	Shippingport, PA 15077				Auth	orization No		N/A		
	(ADDRESS)				Expir	ation Date				
					_,,_,					
4.	I. Identification of System Safety Injection (Q2)									
_	5. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>S'71</u> Addenda, <u>N/A</u> Code Case									
Э.										
	(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E									
6.	6. Identification of Components Repaired or Replaced and Replacements Components									
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Bo	pard	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	8181	N/A		SI-HSS-212A	N/A	Replaced	No	
	Snubber	ITT Grinell	8174	N/A		SI-HSS-212A	N/A	Replace- ment	No	
		····								
									·	
	7. Description of Work Replaced snubber with spare.									
8.	. *Tests Con	ducted: Hydros Other 🗀	_	neumatic [ psi	_	Nominal Opera Temp	-		*N/A	

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
•
Certificate of Authorization No. N/A Expiration Date N/A
Signed All Somer or Owner's Designee, Title Date April 19 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Commissions NB7509(NI) PA 2162  Inspector's Signature Commissions NB7509(NI) PA 2162
Date <u>April 19</u> , 20 <u>00</u>

Form No.	1291	
FORM NO.	1231	

1.	Owner	F.E.N.O.C.	·	_ Da	te	05-3	1-00		
		Main Street - Akr			eet <u>1</u>	of	-	<u> </u>	
2.	Plant	Beaver Valley P	ower Station	Uni	t No.		1	· -	
		• -,							
	<del></del>	Shippingport, PA	4 150/7		W.O. I	#99-211	114-000	STC	
		(ADDITICOS)			HE AN CHGANE	AIRON P.O.	140., 308 140.,	E10.	
3.	Work Perfo	rmed By <u>BVPS</u>	- Construction	Тур	Type Code Symbol Stamp				
		Shippingport, PA	A 15077	Aut	horization No		N/A		
	(ADDRESS)				piration Date _				
4.	Identification of System Safety Injection (Q1)								
5	(a) Applicable	Construction Code	B31 1	19 67 Edii	ion S'71 A	driende	N/A Code (	2000	
٥.							147 0008	Ja3 <del>0</del>	
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E				
6.	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 Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	9190	N/A	SI-HSS-412	N/A	Replaced	No	
	Snubber	ITT Grinell	VB-10889	N/A	SI-HSS-412	N/A	Replace- ment	No	
	·	<u> </u>				J	<u> </u>	<u></u>	
7.	Description	of Work Replac	ed snubber with	spare.					
							<del></del>		
8.	*Tests Cond	ducted: Hydros Other		eumatic  psi Tes	Nominal Opera	•		'N/A	

	ata Reports availa	ible.		
				· · · · · · · · · · · · · · · · · · ·
·				
	CERTI	FICATE OF COMPL	IANCE	
We certify that the statem to the rules of the ASME Code	nents made in the redde Section XI.	port are correct and t	his Replacemer	
Type Code Symbol Stamp	per NPDAP 8.5	i "ASME Section XI F	Repair/Replacement Program	n"
Certificate of Authorization N	lo. <u>N/A</u>	Expiration Date	N/A	
Signed Signed Somer or	Owner's Designee, Title	Date	May 31st	, 20 <u>00</u>
	CERTIFICA	TE OF INSERVICE IN	SPECTION	
I, the undersigned, holding a v	alid commission issue	ed by the National Board	of Boiler and Pressure Vessel I	nspectors
and the State or Province of	Pennsylvania ar	nd employed byFa	ctory Mutual Insurance Co.	_ of
Johnston, R.I.  Owner's Report during the per		ave inspected the compose $2/7/99$ to	2/2/AA	te that to the
best of my knowledge and beli	ief, the Owner has per	formed examinations an	d taken corrective measures de	
Owner's Report in accordance				
•	or the inequator nor h	ie omnlover mekse env v	vermote averaged as implied	annomine the
By signing this certificate neith examinations and corrective m	neasures described in	this Owner's Report. Fu	warranty, expressed or implied, or implied, or implied, or inspector in the inspector in th	nor his employer
By signing this certificate neith examinations and corrective m shall be liable in any manner for	neasures described in	this Owner's Report. Fu		nor his employer
By signing this certificate neith examinations and corrective m	neasures described in	this Owner's Report. Fu	orthermore, neither the inspector	nor his employer
By signing this certificate neith examinations and corrective m shall be liable in any manner for this inspection.	neasures described in	this Owner's Report. Fu	orthermore, neither the inspector	nor his employer connected with

Carra Nia	1000	
Form No.	1292	

1.	Owner	F.E.N.O.C.			Date		04-1	9-00			
	76 South M	lain Street Akro	on, OH 44308	-	Sheet	1	of	·1	<u> </u>		
2.	Plant	Beaver Valley Po	ower Station		Unit N	o	•	1			
		Shippingport, PA	15077		W.O. #99-211115-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.						
3.	Work Perfor	rmed By <u>BVPS</u>	- Construction								
	Shippingport, PA 15077				Author	rization No		N/A			
	(ADDRESS)				Expira	tion Date _		и			
4.	. Identification of System Safety Injection (Q2)										
5.	. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 Addenda, N/A Code Case										
6.	(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 Bo No.	ard	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
	Snubber	ITT Grinell	7488	N/A		SI-HSS-413	N/A	Replaced	No		
	Snubber	ITT Grinell	8397	N/A		SI-HSS-413	N/A	Replace- ment	No		
7.	Description	of Work Replac	ed snubber with	spare.							
8.	*Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Conducted: Pressure psi Test Temp °F *N/A										

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
O COMPLIANCE
We certify that the statements made in the report are correct and this <u>Replacement</u> conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Source So
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.  Johnston, R.I. haye inspected the components described in the
Owner's Report during the period $\frac{12/7/99}{10}$ to $\frac{4/25}{00}$ and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509(N,I)PA2162  Inspector's Signature Commissions NB7509(N,I)PA2162
Date

Form No	1293
Form No.	1293

	· · · · · · · · · · · · · · · · · · ·		<u> </u>	<del> </del>						
1.	. Owner			Da	Date05-31-00					
	76 South I	Main Street - Akr	on, OH 44308	Sr	neet1	0	f	1		
2.	Plant	, , , , , , , , , , , , , , , , , , , ,	ower Station	Ur	nit No.		1			
	2. Plant Beaver Valley Power Station (NAME)				Unit No. 1					
	Shippingport, PA 15077 (ADDRESS)				W.O. #99-211116-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.					
3.	3. Work Performed By BVPS - Construction				Type Code Symbol Stamp Not Applicable					
		Shippingport, PA	A 15077	Au	Authorization NoN/A					
		(ADDRESS)			piration Date _		"			
4.	Identificatio	on of System	Safety Injection		-					
5.	(a) Applicable	Construction Code	B31.1	19 67 Ed	ition. S'71 Ac	idenda.	N/A Code (	Casa		
		Edition of Section X					<u> </u>	5450		
6.	Identificatio	n of Components	Repaired or Re	placed and Re	placements Com	ponent	<b>s</b>			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
	Snubber	ITT Grinell	23522	N/A	SI-HSS-414	N/A	Replaced	No		
	Snubber	ITT Grinell	12629	N/A	SI-HSS-414	N/A	Replace- ment	No		
				<del>*************************************</del>						
7.	Description	of Work Replace	ed snubber with	spare.		<u>I.</u>				
8.	*Tests Cond	ducted: Hydros		<del></del>	Nominal Opera t Temp.	_		N/A		

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No. 470.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Date May 31st , 20 00
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co.">Factory Mutual Insurance Co.</a> of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 12/7/99 to 6/2/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Common Commissions NB7509 (N,T) PA2162  Inspector's Signature Commissions NB7509 (N,T) PA2162
Date

Form No.	1294	
FUIII NO.	1294	

1	1. OwnerF.E.N.O.C.			Da	Date 04-19-00				
••		(NAME)							
	76 South N	Main Street - Akro (ADDRESS)	on, OH 44308	Sh	eet <u>1</u>	°	f	1	
2.	. Plant Beaver Valley Power Station (NAME)		Un	it No.		1			
	Shippingport, PA 15077				W.O. i	<del>#99-211</del>	122-000		
		(ADDRESS)			REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.				
3. Work Performed By BVPS - Construction Type Code Sym			e Code Symbol	pol Stamp Not Applicable					
		Shippingport, PA	15077	Aut	horization No	N/A			
		(ADDNESS)		Exp	Expiration Date			*	
4.	Identificatio	n of System	River Water (Q	(3)					
5.	(a) Applicable	Construction Code	B31.1	19 67 Edil	ion. S'71 Ac	Idenda.	N/A Code (	Case	
		Edition of Section XI				_			
6.	Identificatio	n of Components	Repaired or Re	placed and Rep	olacements Com	ponent	s		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
-	Snubber	ITT Grinell	8178	N/A	WR-HSS-310	N/A	Replaced	No	
	Snubber	ITT Grinell	11455	N/A	WR-HSS-310	N/A	Replace- ment	No	
								<del> <u></u></del>	
_									
7.	Description	of Work Replace	ed snubber with	spare.					
							<del></del>		
_			. –				_		
<b>წ</b> .	* Fests Cond	lucted: Hydros			Nominal Operat	-		NI/A	
	Other Pressure psi Test Temp. F *N/A								

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed August Designee, Title Date April 19 , 20 00
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of .
Johnston, R.I. have inspected the components described in the  Owner's Report during the period 12/7/99 to 4/19/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this  Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Commissions NB 7509 (N, I) PA 2162  Inspector's Signature Commissions NB 7509 (N, I) PA 2162  National Board, State, Province, and Endorsements
Date

Form I	No.	1296	
1 (1111)	110.	1230	

1.	Owner	F.E.N.O.C.		Da	ate	04-0	4-00	
		Main Street - Akro	-	SI	neet1	of	f1	Ph/
2.	Plant	Beaver Valley Po	ower Station	Ur	nit No.		1	
		Shippingport, PA	15077		W.O.	#00-005	155-000	
		(ADDRESS)			REPAIR ORGANI	ZATION P.O.	NO., JOB NO.,	ETC.
3.	Work Perfo	ormed By BVPS	- Maintenance	Ty	pe Code Symbo	l Stamp	Not A	policable
		Shippingport, PA	15077	Au	thorization No.		N/A	
		(ADDRESS)		Ex	piration Date		u	
4.	Identificatio	on of System	River Water (C	(3)				
5.	(a) Applicable	Construction Code	B31.1	19 67 Ed	lition. S'71 A	ddenda.	N/A Code (	Case
		Edition of Section XI						
_	,		•	•			_	
ъ.	Identificatio	on of Components	Repaired or Re	placed and He	epiacements Cor	nponent	S	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
	Butterfly Valve	Allis-Chalmers	67744	N/A	1RW-61	1976	Repaired	No
		·						
7.	Description	of Work Weld re	epaired wastage	on valve body	and disc.			
8.	*Tests Con	ducted: Hydros Other 🗌		eumatic 🗌 psi Tes	Nominal Oper	-		*N/A

9. Remarks No Code Data Report available. River water caused wall thinning in the valve body and
erosion of the seat contact area on the disc.
·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Sevier Eng. Date April 4 , 20 30
CERTIFICATE OF INSERVICE INSPECTION
I the understand heidle examine and heidle examined the control of
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>Factory Mutual Insurance Co.</u> of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/13/00 to 4/5/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions NB7509 (NT) PA2162  Inspector's Signature Commissions NB7509 (NT) PA2162
Date

Form No.	1299	

1.	Owner	F.E.N.O.C.		_ D-	ate	06-05-	2000		
		ain Street - Akro			neet	<u>1</u> of	1		
2.	Plant	Beaver Valley Po	ower Station	U	nit No.	1		· · · · · ·	
	Shippingport, PA 15077 (ADDRESS)				W.	O. #97-067 ANIZATION P.O.	155-000 NO., JOB NO.,	ETC.	
3.	3. Work Performed By BVPS - Maintenance (NAME)				ype Code Sym	bol Stamp	Not Ar	oplicable	
		Shippingport, PA	15077	<del></del>	uthorization No xpiration Date				
5.	Identification of System River Water (Q3)  S. (a) Applicable Construction Code 831.1 19 67 Edition, S'71 Addenda, N/A Code Case  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E  S. Identification of Components Repaired or Replaced and Replacements Components								
6.	identification	or Components	nepalled of ne	piaceu ariu i	epiacements (	Joinpondina			
	Name of Name of Manufacturer National Board Other Year or Stamped (YES or NO)								
В	utterfly Valve	Allis-Chalmers	N/A	N/A	1RW-183	3 1976	Repaired	No	
7	7. Description of Work Weld repaired eroded areas on disc.								
8	. *Tests Con	•	static	neumatic 🔲		perating Promp.		*N/A	

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Service - Eng. Date June 5th . 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co.  Johnston, R.I. have inspected the components described in the
Owner's Report during the period 3/16/00 to 6/7/00, 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.
Boliet Cemoch Commissions NB7509 (NJ)PA 2162  National Board, State, Province, and Endorsements
Date

Form No.	1300	

_									
1.	Owner	F.E.N.O.C.		_ Dat	e	03-2	4-00		
	76 South M	Main Street - Akr			et <u>1</u>	of	1		
2.	Plant	Beaver Valley P	ower Station	Uni	t No		1	· · · · · · · · · · · · · · · · · · ·	
	<del></del>	Shippingport, P/	A 15077		W.O.	00-0044 ATION P.O.	417-002 No., Job No.,	ETC.	
3.	Work Perfo	rmed By <u>BVPS</u>	- Maintenance	Тур	Type Code Symbol Stamp Not Applicable				
	Shippingport, PA 15077				horization No		N/A		
	(ADDRESS)				iration Date		- 4		
5.	(a) Applicable	n of System Construction Code Edition of Section X n of Components	Utilized for Repairs	19 <u>67</u> Edit or Replacements	1989E			150	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
(	Gate Valve	Pacific Valves	Model #596-7-X	N/A	1RW-483	1976	Replaced	No	
	14	Vogt	13-215131	N/A	14	1985	Replace- ment	46	
							·		
	A.A.A.								
7.	Description	of Work Replac	ed valve and fitti	ings.					
8.	Tests Cond	ucted: Hydros Other	_		Nominal Operat	•			

9. Remarks No Code Data Reports available. Replaced valve and fittings in accordance with Code
Case N-416-1. New valve was manufactured to ANSI B16.34 and MSS-SP61.
•
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration DateN/A
Signed Signed Selior Esp. Date March 27 , 20 00
CERTIFICATE OF INSERVICE 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 Pennsylvania and employed by Factory Mutual Insurance Co. of  Johnston, R.I. have inspected the components described in the
Owner's Report during the period $\frac{3/20/00}{}$ to $\frac{4/1/00}{}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Commoch Commissions NB7509 (NI) PA2162 National Board, State, Province, and Endorsements
Date april 1, 2000

Form No.	1301	
FORTH NO.	1301	

1.	Owner	F.E.N.O.C.		Da	te	03-2	29-00	
	76 South	( <b>.</b> )	ron, OH 44308	She	eet <u>1</u>	0	f	1
2.	Plant	Beaver Valley F	Power Station	Uni	t No.		1	
		Shippingport, P	A 15077		W.O. #	<del>1</del> 98-068	950-000	
		(ADDRESS)			REPAIR ORGANIZ	ATION P.O.	NO., JOB NO.,	ETC.
3.	Work Performed By <u>BVPS - Maintenance</u> (NAME)		Тур	Type Code Symbol Stamp Not.				
		Shippingport, P	A 15077	Aut	horization No		N/A	
		(NDONESS)		Exp	oiration Date _		Ġ	·
4.	Identificatio	n of System _	Main Steam (C	(2)				
5.	(a) Applicable	Construction Code	B16.5	19 <u></u> Edition,	, Addenda,		Code Ca	ase
	(b) Applicable	Edition of Section X	I Utilized for Repairs	or Replacements	1989E			
6.	Identificatio	n of Component	s Repaired or Re	placed and Rep	placements Com	ponent	3	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME -Code Stamped (YES or NO)
G	lobe Valve	Masoneilan	H49378-255-3	N/A	TV-MS-111C	1976	Repaired	No
	Plug	66	N/A	64	Ht #A16671-6		Replace- ment	66
		·				·	.,	
			7			·		
— 7.	Description	of Work <u>Weld r</u>	epaired steam cu	ut on bonnet, re	placed valve plu	7.		
8.	Tests Cond	ucted: Hydros Other		eumatic 🗌 psi	Nominal Operati Test Temp.	-		

9. Remarks No Code Data Report available. Valve is installed in an ANSI B31.1 1967-S'71 line.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Schor Eng. Date April 12 20 00
CEDTICIALTE AR INCERNIAR INCORPORA
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $3/23/00$ to $4/13/00$ , 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 demand or a less of any hidden in any manner for any personal injury or property demands or a less of any hidden in any manner for any personal injury or property demands.
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB 7509 (NJ) PA 2162  National Board, State, Province, and Enforcements
Date

Form	Nia	1302	
	INO.	1002	

_		"#####################################						<u></u>		
1.	Owner	F.E.N.O.C.		_	Date		04-1	9-00		
		Main Street - Akro			Sheet	1_	of	1	<u> </u>	
2.	Plant	Beaver Valley P	ower Station		Unit No	•	•	1		
		Shippingport, PA	15077		W.O. #99-211084-000					
		(ADDRESS)			REPAIR ORGANIZA	ITION P.O.	NO., JOB NO.,	ETC.		
3.	Work Perfo	rmed By <u>BVPS</u>	- Construction (NAME)	<del></del>	Type C	ode Symbol S	Stamp	Not A	opticable	
		Shippingport, PA	15077			zation No				
		(ADDRESS)		Expirati	on Date _		. #	<del> </del>		
4.	Identificatio	n of System _	Component Co	oling (Q3)			-			
5.	(a) Applicable	Construction Code	B31.1	19 <u>67_</u> _	Edition,	<u>\$'71</u> Ad	denda, _	N/A Code (	Case	
		Edition of Section XI								
6.	Identificatio	n of Components	Repaired or Re	placed and	Replace	ements Com	ponent	5		
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	đ	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	8368	N/A	CC	C-HSS-407A	N/A	Replaced	No	
	Snubber	ITT Grinell	8175	N/A	CC	C-HSS-407A	N/A	Replace- ment	No	
			<u></u>							
7.	Description	of Work Replac	ed snubber with	spare.				1		
8.	*Tests Con	ducted: Hydros Other [		neumatic 🗌 psi 1		minal Opera	-		*N/A	

9. Remarks No Code Data Reports available.
,
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.  Replacement conforms  Replacement
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Date April 19 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I the undersigned helding a valid committee to the state of the state
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of <a href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co.">Factory Mutual Insurance Co.</a> of
Johnston, R.I. have inspected the components described in the  Owner's Report during the period 12/7/99 to 4/2.5/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cemoch Commissions NB 7509(NJI) PA 2162  Inspector's Signature Commissions NB 7509(NJI) PA 2162
Date

Form No.	1303	
----------	------	--

1.	Owner	F.E.N.O.C.		Dat	le	05-3	11-00			
		Main Street - Akr			eet <u>1</u>	of	f1	<u> </u>		
2.	Plant	Beaver Valley P	ower Station	Uni	t No.		1			
		Shippingport D	15077		W.O. #99-210923-000					
		(ADDRESS)	A 15077	<del></del>	REPAIR ORGANIZ	ATION P.O.	NO., JOB NO.,	ETC.		
3.	Work Perfo	rmed By <u>BVPS</u>	- Construction	Тур	e Code Symbol	Stamp	Not A	policable		
		Chinningnost D		A	harization No		NI/A			
		Shippingport, PA (ADDRESS)		horization No piration Date _		1N/A 4				
4.	Identification	n of System	Reactor Coolar	nt (Q2)	····					
5	(a) Applicable	Construction Code	Section	III 10 88 Edii	ion N/A Addands		N/A Codo (	2000		
J.						3,		Jas <del>e</del>		
	(b) Applicable	Edition of Section X	Utilized for Repairs	or Replacements	1989E					
6.	Identification	n of Components	Repaired or Re	placed and Rep	placements Com	ponent	<b>S</b>			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
	Snubber	Bergen- Patterson	68284-02	N/A	RC-HC-10B	N/A	Replaced	No		
	Snubber	Bergen- Patterson	68284-31	N/A	RC-HC-10B	N/A	Replace- ment	No		
7.	Description	of Work Replac	ed snubber with	spare.						
8.	*Tests Cond	ducted: Hydros Other	****		Nominal Opera	-		'N/A		

9. Remarks No Code Data Reports available. Previous NIS-2 Code Data Report No.888.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed May 31st , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of  Johnston, R.I. have, inspected the components described in the
Owner's Report during the period 12/7/99 to 6/2/60, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB7509 (N,I) PA2162 Inspector's Signature Commissions NB7509 (N,I) PA2162
Date June 2, 20 00

Form No.	1304
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_						· · · · · · · · · · · · · · · · · · ·			
1.	Owner	F.E.N.O.C.		_ [	Date _		06-13	-2000	<del></del>
	76 South N	Main Street - Akro	on, OH 44308	_	Sheet	1	of	1	
2.	Plant	Beaver Valley Po	ower Station		Jnit No.			1	-
		Shippingport, PA	15077			W.O. #	00-004	614-000	
		(ADDRESS)			RE			NO., JOB NO.,	ETC.
3.	Work Perfo	ormed By <u>BVPS</u>	- Construction	7	Гуре Cod	e Symbol	Stamp	Not A	policable
		Shippingport, PA	15077	<i>A</i>	Authoriza	tion No		N/A	
		(AODRESS)		E	Expiration	Date _		и	
4.	Identificatio	n of System	Recirculation S	pray (Q2)					
5.	(a) Applicable	Construction Code	B31.1	19 <u>67</u> 8	Edition,	<u>8'71</u> Ad	denda, _	N/A Code (	Case
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacemen	nts <u>1989E</u>				
6.	Identificatio	n of Components	Repaired or Re	placed and F	Replacem	ents Com	ponent	S	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other entification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
	Snubber	ITT Grinell	8768	N/A	RS-	HSS-237	N/A	Replaced	No
	Snubber	ITT Grinell	8177	N/A	RS-I	HSS-1237	N/A	Replace- ment	No
						~			
7.	Description	of Work Replac	ed snubber with	spare.					•
8.	*Tests Con	ducted: Hydros	static			nal Opera			'N/A

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Date June 13th, 200
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mayal Insurance Co.
Johnston, R.I. have inspected the components described in the  Owner's Report during the period 3/9/00 to 6/13/10, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
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.
Probet Cimoch Commissions NB7509 (N, I)PA 2162  Inspector's Signature Commissions NB7509 (N, I)PA 2162
Date June 13, 20 00.

Form	No	1305	
COHIL	INU.	เงนอ	

1.	Owner	F.E.N.O.C.		Da	te	04-04	1-2000	
		Main Street - Akr	•		eet <u>1</u>	0	f	]
2.	Plant	Beaver Valley P	ower Station	Un	it No.	<u>:</u>	1	
		Shippingport, P/	A 15077		W.O. #		108-000 NO., JOB NO.,	ETC.
3.	Work Perfo	rmed By BVPS	- Construction	Туј	pe Code Symbol	Stamp	Not A	oplicable
		Shippingport, PA	A 15077	Au	thorization No		N/A	•
		(ADDRESS)		····	<del></del>			
				EX	piration Date _			
4.	Identificatio	n of System _	Main Steam (C	)2)				
	(b) Applicable	Construction Code Edition of Section XI n of Components	Utilized for Repairs	or Replacements	1989E			Case
_					T		Repaired,	ASME
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Replaced, or Replacement	Code Stamped (YES or NO)
	Snubber	ITT Grinell	8335	N/A	SHP-HSS-207	N/A	Replaced	No
	Snubber	ITT Grinell	VB-6296	N/A	SHP-HSS-207	N/A	Replace- ment	No
	·····							
<b>'</b> .	Description	of Work Replace	ed snubber with	spare.				
١.	*Tests Cond	ducted: Hydros Other		<del></del>	Nominal Operat	•	ssure 🗌	'N/A

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Date April 4 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/24/00 to 4/6/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions NB7509 (V,I) PA2162 Inspector's Signature Commissions NB7509 (V,I) PA2162 National Board, State, Province, and Endorsements  Date

	N. L.	4000	
Form	NO.	1306	

1.	1. Owner <u>F.E.N.O.C.</u> (NAME)			Da	te	04-19-00				
	76 South M	Main Street - Akr	on, OH 44308	_ Sh	eet <u>1</u>	0	f	1		
2.	Plant	Beaver Valley P	ower Station	Un	it No.		1			
		Shippingport, PA	A 15077		W.O.	#00-004	613-000			
	•	(ADDRESS)			REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.					
3.	Work Performed By BVPS - Construction (NAME)				Type Code Symbol Stamp Not Appl					
		Shippingport, P/	A 15077	Au	thorization No		N/A			
		, ,		Ex	piration Date _		4			
4.	I. Identification of System Safety Injection (Q1)									
5.	. (a) Applicable Construction CodeB31.11967 _ Edition,S'71 Addenda,N/A Code Case									
	(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E									
6.	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 Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
	Snubber	ITT Grinell	25915	N/A	SI-HSS-416	N/A	Replaced	No		
-	Snubber	ITT Grinell	25914	N/A	SI-HSS-416	N/A	Replace- ment	No		
								- · · · · · · · · · · · · · · · · · · ·		
7.	7. Description of Work Replaced snubber with spare.									
8.	. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A									

9. Remarks No Code Data Reports available.	
CERTIFICATE OF COMPLIANCE	
	Or Replacement
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement	Program*
Certificate of Authorization No. N/A Expiration Date N/A	_
Signed Swier or Owner's Designee, Title Date April 19	), 2000
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure and the State or Province of Pennsylvania and employed by Factory Mutual Insurance  Johnston, R.I. have inspected the components described in the Owner's Report during the period 3/9/06 to 4/15/00 best of my knowledge and belief, the Owner has performed examinations and taken corrective measurements of the ASME Code, Section XI.	Co. of and state that to the
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or in examinations and corrective measures described in this Owner's Report. Furthermore, neither the inshall be liable in any manner for any personal injury or property damage or a loss of any kind arising this inspection.	spector nor his employer
Robert Comoch Commissions NB7509 (N Inspector's Signature Commissions NB7509 (N	

Earm No	1207	
Form No.	1307	

1.	Owner	F.E.N.O.C.		(	Date _		04-1	9-00	· · · · · · · · · · · · · · · · · · ·	
	76 South M	Main Street - Akro	on, OH 44308	_	Sheet _	1	of	•	<u> </u>	
2.	Plant	Beaver Valley Po	ower Station		Jnit No.			1		
		Shippingport, PA	15077		W.O. #99-211117-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC					
3.	Work Perfo	rmed By <u>BVPS</u>	- Construction		Type Code Symbol StampNo			Not A	policable	
	Shippingport, PA 15077				Authoriza	tion No		N/A		
		(ADDRESS)				Date _		•		
	. Identification of System Feedwater (Q2)  . (a) Applicable Construction Code B31.1 19 67 Edition, S'71 Addenda, N/A Code Case  (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E									
6.	6. Identification of Components Repaired or Replaced and Replacements Components									
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other entification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)	
	Snubber	ITT Grinell	8835	N/A	WFP	D-HSS-201	N/A	Replaced	No	
	Snubber	ITT Grinell	25477	N/A	WFP	D-HSS-201	N/A	Replace- ment	No	
7.	Description	of Work <u>Replace</u>	ed snubber with	spare.						
8.	. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A									

9. Remarks No Code Data Reports available.
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Swig-Eng. Date April 19 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Owner's Report during the period 12/7/99 to 4/25/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB 7509 (NI) PA 2162
Date

Form	No	1308	
LOIM	NO.	1308	

_	· · · · · · · · · · · · · · · · · · ·									
1.	Owner	F.E.N.O.C.		Da	te	04-	19-00			
	76 South	Main Street - Akr	on, OH 44308	Sh	eet <u>1</u>	•	f	1		
2.	Plant	Beaver Vailey P	ower Station	Un	Unit No. 1					
		Shippingport, PA	A 15077		W.O. #	#99-211 ation p.o	118-000 . NO., JOB NO.,	ETC.		
3.	Work Perfo	ormed By <u>BVPS</u>	- Construction	Туг	oe Code Symbol	Stamp	Not A	policable		
		Shippingport, PA	A 15077	Aut	thorization No		N/A			
(ADDRESS) Expiration					oiration Date		· ·			
	i. Identification of System Feedwater (Q2) ii. (a) Applicable Construction Code B31.1 19 67 Edition, S'71 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989E									
6.	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	ITT Grinell	25474	N/A	WFPD-HSS-209	N/A	Replaced	No		
	Snubber	ITT Grinell	25468	N/A	WFPD-HSS-209	N/A	Replace- ment	No		
					·					
7.	Description	of Work Replac	ed snubber with	spare.						
8.	*Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A									

9. Remarks No Code Data Reports available. Previous NIS Data Report No. 171.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Librar or Owner's Designee, Title  Date April 19 , 20 00
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co.">Factory Mutual Insurance Co.</a> of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period $12/7/99$ to $9/25/00$ , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Comoch Commissions NB7509(NI)PA 2162  Inspector's Signature Commissions NB7509(NI)PA 2162
Date <u>April 25</u> , 20 <u>00</u>

Form No.	1309	
FORM NO.	1309	

=										
1.	Owner	F.E.N.O.C.		Da	te	04-1	9-00			
		Main Street - Akr			eet1	o	f	<u> </u>		
2.	Plant	Beaver Valley P	ower Station	Un	it No.		1			
	+=	Shippingport, PA	A 15077		W.O. #	‡99-211 ation p.o.	121-000 NO., JOB NO.,	ETC.		
3.	B. Work Performed By BVPS - Construction (NAME)			Тур	oe Code Symbol	Stamp	Not A	policable		
		Shippingport, PA	A 15077	Aut	horization No		N/A			
		(ADDRESS)		Exp	oiration Date _		4			
4.	Identification of System Feedwater (Q2)									
5.	(a) Applicable	Construction Code	B31.1	19 <u>67</u> Edil	tion, <u>S'71</u> Ad	idenda, _	N/A Code (	Case		
	(b) Applicable	Edition of Section XI	Utilized for Repairs	or Replacements	1989E					
6.	Identification	n of Components	Repaired or Re	placed and Rep	olacements Com	ponents	5			
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)		
	Snubber	ITT Grinell	VB-7205B	N/A	WFPD-HSS-212	N/A	Replaced	No		
	Snubber	ITT Grinell	8178	N/A	WFPD-HSS-212	N/A	Replace- ment	No		
		·								
7.	. Description of Work Replaced snubber with spare.									
8.	. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A									

9. Remarks No Code Data Reports available. Previous NIS Data Report No. 173.
CERTIFICATE OF COMPLIANCE
CENTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Scient Eng. Date April 19 , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the Owner's Report during the period 12/7/99 to 4/25/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoril Commissions NB 7509 (NJ) PA 2 162  Inspector's Signature Commissions NB 7509 (NJ) PA 2 162
Date 4pul 25, 20 00

Form	Nο	1310	
COILL	INO.	1310	

				entend to the comment of the comment	***				
1. Owner	F.E.N.O.C.		Da	te	05-26	5-2000			
76 South	Main Street - Akre	on, OH 44308	_ Sh	eet1	o	f	L		
2. Plant	Beaver Valley P	ower Station	Un	it No.	·····	1			
	Shippingport D	N 15077		wo	NG 050	2000 000			
	Shippingport, PA (ADDRESS)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		REPAIR ORGANIZ	190-050	300-000 NO., JOB NO.,	ETC.		
3. Work Perfo	3. Work Performed By BVPS - Maintenance				Ту	pe Code Symbol	Stamp	Not A	policable
	Shippingport, PA	15077	Au	thorization No		N/A			
	(ADDRESS)			piration Date _					
				_					
4. Identification	on of System	Steam Genera	tor Blowdown (	Q2)	<del></del>				
5. (a) Applicable	e Construction Code	B31.1	19 <u>67</u> Edi	tion, S'71 Ad	denda.	N/A Code (	Case		
	e Edition of Section XI				_				
6. Identification	on of Components	Repaired or He	placed and He	placements Com	ponent	S			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Siamped (YES or NO)		
Gate Valve	Borg-Warner	75593	N/A	TV-1BD-101A1	1982	Repaired	Yes		
Body Clamp Nuts	Nova Machine	N/A	N/A	Ht #716920	1999	Replace -ment	No		
7. Description	of Work Replace	ed bonnet nuts.			····				
•									
	***************************************	<del></del>							
			🗖						
B. *Tests Con	·		eumatic 🗌	Nominal Opera	•				
	Other 🗌	Pressure _	psi	Test Temp.		°F	*N/A		

9. Remarks Code Data Report attached. Valve was originally purchased as ASME Section III but
was installed into an ANSI B31.1 system.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Sevice Eng. Date May 26th 20 00
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 href="Pennsylvania">Pennsylvania</a> and employed by <a href="Factory Mutual Insurance Co.">Factory Mutual Insurance Co.</a> of
Johnston, R.I. have inspected the components described in the
Owner's Report during the period 2/6/00 to 6/1/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
this inspection.
Robert Cimoch commissions NB7509 (NI)PA2162
Inspector's Signature National Board, State, Province, and Endorsements
Date

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

Name and Address of	N Certificate Ho	7500 Tyrone			ilie.
ine Light Compa	env. P.O. Bo	x 2325, Bos	ton, Mass.	02107	The state of the s
Name and Address	MEE SCECIO	i, surppingp		county,	PA
a Valve	Nominal Ir	niet Size3	Cut	let Size	(inch)
Certificate Heider's	(c) Canadian	,,,,	<b>41 17</b>		(men)
	Registration	(d) Drawing	4-1-01	in Netl.	(g) Yeer
1744	NG.	NQ.	(e) Class	5d. Ng.	Built
3 thru 75595	N/A	434HAB6-0	01 2	N/A	1982
					•
					<del> </del>
<del></del>					
				<del></del>	
				<del></del>	
designed to he	ndle a flui	d media which	h include	steem, w	reter
Brief description	of serves for which	ted with a P	igned)	The	
		is stated t	elov.		·
- T		•		10	
reseure)	(Temperature)	— 'F or Valve Pr	resure Class .	N/A	(1)
1480 pei et 10			• .		
•					
Material Sp	ec. No.	Manufact	irer	Řemerk	
Materiai Sp	ec. No.	Menufacti	urer .	Řemari	
Material Sp	es. Na.	Menufect		Řemark	
SA 216 WCB		Vulcan Stee		Řemark	
		Vulcan Stee	i.		
SA 216 WCB	DUQUESNE L	Vulcan Stee Rex Precisi IGHT CO./STO	on NE & WERS		
SA 216 WCB	DUQUESNE L BEAVER VAL	Vulcan Stee Rex Precision IGHT CO./STO LEY STATION	on NE & WERS		
SA 216 WCB	DUQUESNE L BEAVER VAL P.O. BV-12	Vulcan Stee Rex Precision IGHT CO./STO LEY STATION	NE & WEBST	TER	
SA 216 WCB	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VAL NVD OF BOR	Vulcan Stee  Rex Precision  IGHT CO./STO  LEY STATION  12  LVE, CS, 600  G WARNER, 750	NE & WEBST	TER	
SA 216 WCB	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VA	Vulcan Stee  Rex Precision  IGHT CO./STO  LEY STATION  12  LVE, CS, 600  G WARNER, 750	NE & WEBST	TER	
SA 216 WCB	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VAL NVD OF BOR	Vulcan Stee  Rex Precision  IGHT CO./STO  LEY STATION  12  LVE, CS, 600  G WARNER, 750	NE & WEBST	TER	
SA 216 WCB	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VAL NVD OF BOR	Vulcan Stee  Rex Precision  IGHT CO./STO  LEY STATION  12  LVE, CS, 600  G WARNER, 750	NE & WEBST	TER	
SA 216 WCB	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VA NVD OF BOR VAN NUYS,	Vulcan Stee  Rex Precision  IGHT CO./STO  LEY STATION  12  LVE, CS, 600  G WARNER, 750	NE & WEBSTUNIT	TER	
SA 216 WCB	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VA NVD OF BOR VAN NUYS,	Vulcan Stee  Rex Precision  IGHT CO./STO  LEY STATION  12  LVE, CS, 600  G WARNER, 750  CA 91409  Compton Forg	NE & WEBSTUNIT	TER	
SA 216 WCB	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VA NVD OF BOR VAN NUYS,	Vulcan Stee  Rex Precision  IGHT CO./STO  LEY STATION  12  LVE, CS, 600  G WARNER, 750  CA 91409	NE & WEBSTUNIT	TER	
SA 216 WCB  SA 216 WCB  SA 105  SA 105	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VA NVD OF BOR VAN NUYS,	Vulcan Stee  Rex Precisi  IGHT CO./STO LEY STATION 12 LVE, CS, 600 G WARNER, 750 CA 91409  Compton Forg  Jorgensen St	NE & WEBST UNIT *, AIR OP. O TYRONE A	TER	
SA 216 WCB	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VA NVD OF BOR VAN NUYS,	Vulcan Stee  Rex Precision  IGHT CO./STO  LEY STATION  12  LVE, CS, 600  G WARNER, 750  CA 91409  Compton Forg	NE & WEBST UNIT *, AIR OP. O TYRONE A	TER	
SA 216 WCB  SA 216 WCB  SA 105  SA 105  SA 105	DUQUESNE L BEAVER VAL P.O. BV-12 3" GATE VA NVD OF BOR VAN NUYS,	Vulcan Stee  Rex Precisi  IGHT CO./STO LEY STATION 12 LVE, CS, 600 G WARNER, 750 CA 91409  Compton Forg  Jorgensen St	NE & WEBST UNIT *, AIR OP. O TYRONE A	TER	
	designed to he rated water at the residence of the reside	designed to handle a fluidated water, etc., association (Siniciated water) (Siniciated wa	designed to handle a fluid madie which are designed with a property of the madie is etated and the second of th	designed to handle a fluid media which includes a ratio rate. associated with a FFR and RFF (Brief description of the media is stated action)  (Brief description of the media is stated action)  (Brief description of the media is stated action)  (Consider the first and the media is stated action)  (Brief description of the media is stated action)  (Consider the media is stated action)	Name and Address of Purchaser or Owner;  In Valley Power Station, Shippingport, Beaver County,  Name and Address;  R Valve

ج ا**ب**د

THE REPORT OF THE PARTY OF THE

<sup>(1)</sup> For manually operated valves only.

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

(Net'l Bd., State, Prov. and No.)

Form No.	1311
1 0111111101	, , ,

1.	Owner	F.E.N.O.C.			Date		05-03	3-2000	
	76 South N	Main Street - Akı (ADDRESS)	on, OH 44308	<u> </u>	Sheet	1	o	f	1
2.	Plant	Beaver Valley F	ower Station		Unit N	o		1	
		Shippingport, P	A 15077		W.O. #00-007743-000 REPAIR ORGANIZATION P.O. NO., JOB NO., ETC.				ETC.
3.	Work Perfo	rmed By <u>BVPS</u>	S - Maintenance	<del></del>	Type Code Symbol Stamp Not Applicate			pplicable	
		Shippingport P	A 15077		Author	rization No		N/A	
		(ADDRESS)	A 15077						<del></del>
					Expira	tion Date _		"	
4.	Identificatio	n of System _	Component Co	ooling (Q3)					
5.	(a) Applicable	Construction Code	B31.1	19 67	Edition.	S'71 Ad	denda.	N/A Code	Casa
			I Utilized for Repairs						
			•	·					
6.	Identification	n of Components	s Repaired or Re	placed and I	Replac	cements Com	ponents		
								Repaired, Replaced,	ASME Code
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	١	Other Identification	Year Built	or Replacement	Stamped (YES or
								Торисский	NO)
Sp	ring Hanger	Grinell	N/A	N/A		CC-SH-220A	1976	Replaced	No
Sp	ring Hanger	Grinell	Ht #71606-PWR	N/A	C	CC-SH-220A	2000	Replace- ment	No
	·								•
7. Description of Work Replace spring hanger with spare.									
8.	3. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp °F *N/A								

9. Remarks No Code Data Reports available.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stamp per NPDAP 8.5 "ASME Section XI Repair/Replacement Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Source State Date May 03 , 20 00
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>Factory Mutual Insurance Co.</u> of
Owner's Report during the period $\frac{3/3//00}{5/4/00}$ , and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions NB7509(N,T) PA2162  Inspector's Signature Commissions NB7509(N,T) PA2162
Date

Form No.	1312	

_		<u> </u>			· · · · · · · · · · · · · · · · · · ·			
1.	Owner	F.E.N.O.C.		_ Da	ate	05-26	S-2000	
	76 South M	Main Street - Akro (ADDRESS)	on, OH 44308	_ Sh	neet1	o	f	
2.	Plant	Beaver Valley P	ower Station	Ur	nit No.		1	
		Shippingport PA	15077		WO	±06-056	299-000	
	Shippingport, PA 15077 (ADDRESS)				REPAIR ORGANIZ	ATION P.O.	NO., JOB NO.,	ETC.
3.	3. Work Performed By BVPS - Maintenance			Ту	pe Code Symbol	Stamp	Not A	policable
		Shippingport, PA	15077	· Au	thorization No		N/A	
		(ADDRESS)			piration Date _			
					_			
4.	Identificatio	n of System	Steam Genera	tor Blowdown	(Q2)	-		
5.	(a) Applicable	Construction Code	B31.1	19 67 Ed	lition. S'71 Ac	ldenda.	N/A Code	Case
		Edition of Section XI				-		
6			·	•				
Ο.	Identificatio	n of Components	nepaired or ne	placed and He	placements Com	ponent	S	
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
(	Gate Valve	Borg-Warner	75596	N/A	TV-1BD-101B2	1982	Repaired	Yes
В	ody Clamp Nuts	Nova Machine	N/A	N/A	Ht #716920	1999	Replace -ment	No
	<del> </del>		<del></del>			<u> </u>		
7.	Description	of Work Replace	ed bonnet nuts.			· · · · · · · · · · · · · · · · · · ·	·	
		······				, <del>.</del>		
	***		<b></b>		N = == != = 1	4' D	<del>-</del>	
5.	*Tests Cond	•		eumatic	Nominal Opera	-		+B1/A
		Other 🔲	Pressure _	ps	i Test Temp.		°F	"N/A

9. Remarks No Code Data Report available. Valve was originally purchased as ASME Section III but
was installed into an ANSI B31.1 system.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed A Wile Sure Ey Date May 26th , 20 00
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cimoch Commissions NB7509(N,I)PA2162 Inspector's Signature Commissions NB7509(N,I)PA2162
Date

Form No.	1314	

1.	Owner	F.E.1	N.O.C.		Date <u>4-6-00</u>			
		(Na	ime)				-	
	76 South M	lain Street-Akron, OH			Sheet 1		of <u>2</u>	
		(Address)	,		•			
2.	Plant Be	eaver Valley Power St			Unit No. 1			
		(Na	me)					
	Shippingpo	rt, PA 15077				DCP-	2400	
		(Address)	)	<del></del>			.O. No., Job No., etc.	
3.	Work Perfo	rmed By BV	PS-Construction		Type Code Symbol !	Stamp	N/A	
•	TOOK 1 GIIG		(Name)		. ype eves cymber			
					A . Alexandra a A.L.			
	Shippingpo	rt, PA 15077 (Address)			Authorization No.		N/A	<del></del>
		<b>(</b>			Expiration Date	·	N/A	
<b>)</b> .	!dentificatio	n of System River	· Water					
•	1001111110000							
i <b>.</b>		icable Construction C				Adden	de, N/A	Code Cas
	(b) Appli	icable Edition of Sect	tion XI Utilized for Re	pairs or Repla	icements 19	89	_	
	Name of omponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other identification	Year Suit	Repaired, Replaced, or Replacement	ASME Co Stamper (Yes or N
	TRAINER	YARWAY	N/A	N/A	1RW-YS-40	1986	Replaced	No
		Corporation			(3/4" STRAINER Model # 931SW)			
s <sup>-</sup>	TRAINER	Mueller Steam	N/A	N/A	1RW-YS-40	2000	Replacement	No
		Speciality			/2ª STRAINER	1		
					(2° STRAINER Model # 582-SS)			
		- Allerda - Olaina -	- 4:6 No. 4	aviation 3/2 C	turing with new 2º Ster			I
	Description	of Work Piping m	odification to remove	existing 74 S	trainer with new 2" Stra	HITE		
•					M			
	Tests Cond	lucted: Hydrosta	tic 🗆 Pn	eumatic 🛚	Nominal Operation	IN LIGHT	ile 70	
	Tests Cond	lucted: Hydrosta Other	t <b>ic □</b> Pn		•	remp	•F	

9.	Remarks: DCP-2400 scope included upgrading safety-related motor cooling and seal water supplies to River Wa	ter
	Pumps (1WR-P-1A, 1B & 1C). This consisted of replacing existing 3/2 Wye Strainers (1RW-YS-40, 41 & 42) with 2	,
	strainers and install a parallel flow path through new Separators (1RW-FL-1A, 1B & 1C) with inlet and outlet isolati	on
	valves, purge line blowdown valves and Associated piping and fittings. Only component installed which falls under	
	ASME XI jurisdiction are the new 2° Wye Strainers (1RW-YS-40, 41 & 42). Replacement of 1RW-YS-40 was	
	performed in accordance with Code Case N-416-1.	
Pumps (1WR-P-1A, 18 & 1C). This consisted of replacing existing % Wye Strainers (1RW-YS-40, 41 & 42) with 2 strainers and install a parallel flow path through new Separators (1RW-FL-1A, 18 & 1C) with inlet and outlet isolatic valves, purge line blowdown valves and Associated piping and fittings. Only component installed which falls under ASME XI jurisdiction are the new 2° Wye Strainers (1RW-YS-40, 41 & 42). Replacement of 1RW-YS-40 was		
	We certify that the statements made in the report are correct and this	
	onforms to the rules of the ASME Code Section XI.	1
1	ype Code Symbol Stamp Per NPDAP 8.5 "ASME XI Repair/Replacement Program"	
1		
5	gned Sanjib K. Mukherjee, Senior Engineer Date 4-8-00	
<u> </u>	, , , oma d oma s benjase, rae	
	OFFICIAL TE OF INDEPLIES INDEPLIES	
	CERTIFICATE OF INSERVICE INSPECTION	
l,	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector and the State or Province of Pennsylvania and employed by Eactory Mutual Insurance Co.	
_	Johnston, R.I. have inspected the components described in t	he
l ti	e best of my knowledge and belief, the Owner has performed examinations and taken corrective measures describe	o din
8 ti e	r signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, conceming examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor happened the liable in any manner for any personal injury or property damage or a loss of any kind arising from or	ie
<u>_</u>	Robert Comments  Commissions NB7509 (NI) PA2162  National Board, State, Province, and Endorsements	
D	to Jens 1, 2000	

Form No.	1315	
FOILIT 140.	 1313	

1.	Owner F.E.N.O.C. (Name)	Date <u>4-6-00</u>
	76 South Main Street-Akron, OH 44308 (Address)	Sheet 1 of 2
2.	Plant Beaver Valley Power Station (Name)	Unit No. 1
	Shippingport, PA 15077 (Address)	DCP-2400 Repair Organization P.O. No., Job No., etc.
3.	Work Performed By BVPS-Construction (Name)	Type Code Symbol Stamp N/A
	Shippingport, PA 15077 (Address)	Authorization No. N/A
		Expiration Date N/A
4.	Identification of System River Water	
5.	(a) Applicable Construction Code ANSI B31.1 (b) Applicable Edition of Section XI Utilized for Repa	
6.	Identification of Components Repaired or Replaced and	Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yeer Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STRAINER	YARWAY Corporation	<b>N/A</b>	N/A	1RW-YS-41 (3/4"STRAINER Model # 931SW)	1986	Replaced	No
STRAINER	Mueller Steam Speciality			1RW-YS-41 (3/4" STRAINER Model # 582-SS)	2000	Replacement	No

7.	Description of Work	Piping modification	to remove existing %" Stra	iner with new 2" Strainer	
8	Tests Conducted	Hydrostatic □	Pneumatic []	Nominal Operating Pressure (II	 

NPDAP 8.5, Attach. 3, Rev. 7

1 of 2

ASME\_NIS

9.	Remarks:	DCP-2400 scope in	cluded upgradin	g safety-related	motor cooling and	seal water suppli	es to River Water
	Pumps (1V	VR-P-1A, 1B & 1C). T	his consisted of	replacing existi	ng ¾" Wye Straine	rs (1RW-YS-40, 4	11 & 42) with 2*
	strainers a	nd install a parallel flo	ow path through	new Separators	(1RW-FL-1A, 1B	& 1C) with inlet ar	nd outlet isola.
	valves, pur	rge line blowdown val	ves and Associa	ited piping and f	ittings. Only compo	onent installed wh	ich falls under
	ASME XI	jurisdiction are the ne	w 2" Wye Strain	ers (1RW-YS-4	0, 41 & 42). Repla	cement of 1RW-	YS-41 was
	performed	in accordance with Co	ode Case N-416	J-1.			
ſ			CERTIFIC	CATE OF COM	IPI IANCE		
	We certin conforms to t	fy that the statements he rules of the ASME	made in the rep Code Section >	oort are correct : (I.	and this	replacement repair or replacement	ent
	Type Code S	ymbol Stamp	Per NI	PDAP 8.5 "ASM	E XI Repair/Replac	ement Program*	•
	Certificate of	Authorization No	N/	4	Expiration Date	N	Α
	Signed $\frac{5}{2}$	16 M. K Sanjib K. N	fukherjee, Senic or Owner's Designed	or Engineer , Title	Date _	4-6-00	
						*	
		C	ERTIFICATE	OF INSERVIC	E INSPECTION		
l 1 a	, the undersi- and the State		commission isse Pennsylvania ion, R.I.	ued by the Natio and employe	d by Factor	Mutual Insurance	
t	he best of m	ort during the period y knowledge and belie Report in accordance	3/2. of, the Owner ha	is performed ex	to 6// aminations and tak	en corrective mea	and state that to
l t	he exa <mark>minati</mark> employe <b>r sh</b> a	is certificate neither the ions and corrective me ill be liable in any mar th this inspection.	easures describ	ed in this Owne	r's Report. Further	more, neither the	Inspector nor his
2	Rol	Cet Can Inspector's Signature	well	Commissions	NB 7509 (	NI PA2	162 preements
C	Date Ju	nel, 2000	i				
							· · · · ·

Form No.	1316

_										
1.	Owner	· · · · · · · · · · · · · · · · · · ·	F.E.N	I.O.C.		Date	4-6-00			
	700 11 11		(Na	•		011			_	
	76 South M	fain Street-A	(Address)			Sheet	1		of <u>2</u>	
			,				•			
2.	Plant Be	aver Valley	Power Sta (Nam			Unit No.	1	<del></del>		<del></del>
			•	,						
	Shippingpo	rt, PA 1507	(Address)				Anair Orne	DCP-	2400 .O. No., Job No., etc.	
			<b>(</b> ,				_			
3.	Work Perfo	med By _	BVF	S-Construction (Name)		Type Co	de Symbol	Stamp _	N/A	
				(1441114)						
	Shippingpo	rt, PA 15077	(Address)			Authoriza	ition No.		N/A	
			(Addiese)			<b>.</b>				
						Expiratio	n Date		N/A	
4.	l de etide e tie	a of Sustam	Olympi	Minte						
₩.	Identificatio	n of System	River	AAGIGI			<del></del>	<del></del>		· · · · · · · · · · · · · · · · · · ·
<b>5</b> .				deANSI B31.1				<del></del>	de, <u>N/A</u>	Code Case
	(b) Appli	icable Editio	n of Secti	on XI Utilized for Re	pairs or Repla	cements	1	9 89		4
6.	Identificatio	n of Compo	nents Repa	nired or Replaced an	d Replacemen	nt Compone	ents			•
		•	·	•	·	·				
C	Name of component	Nam Manufi		Manufacturer Serial No.	National Board No.	Other ide	ntification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
										<del></del>
S	TRAINER	YAR\ Corpo		N/A	N/A	1RW-	YS-42	1986	Replaced	No
		Coipo	Idion			(3/4° ST	RAINER			
						Model #	931SW)			
s <sup>.</sup>	TRAINER	Mueller Spec				1RW-	Y <b>S-4</b> 2	2000	Replacement	No
							RAINER		i	
		<u> </u>			·	Model #	582-SS)			'
	<del> </del>								•	
		1				ļ				
_								_1		
7.	Description	of Work _	Piping mo	dification to remove	existing % SI	rainer with	new 2 Str	ainer		
8.	Tests Cond	ucted:	Hydrostati	c <b>@</b> Pne	eumatic 🗆	Nomi	nal Operat	ing Pressu	ire 🗆	
			Other 🗆	D.	420	nei	Tark	Temp. A	Ambient °F	
			Otner LI	Pressur	130	, p <b>si</b>	1 0 5%	· entrip	THE THE TENTE	
N	PDAP 8.5	, Attach.	3, Rev.	7	1 of 2				ASME	_NIS

9.	Remarks:	DCP-2400 scop	e included upgrad	ng safety-related	I motor cooling an	d seal water supp	lies to River Water
	Pumps (1W	VR-P-1A, 1B & 10	). This consisted	of replacing exist	ing ¾" Wye Strain	ers (1RW-YS-40,	41 & 42) with 2"
	strainers ar	nd install a paralle	el flow path through	n new Separator	s (1RW-FL-1A, 18	& 1C) with inlet a	and outlet isolatio
	valves, pur	ge line blowdown	valves and Assoc	ated piping and	fittings. Only comp	ponent installed w	hich falls under
			new 2° Wye Strai				
	performed t	by BVPS Constru	ction				
			CERTIFI	CATE OF COM	API JANCE		
	We certify conforms to th	y that the statements of the AS	ents made in the re ME Code Section	port are correct XI.	and this	replacement	
٦	Type Code Sy	mbol Stamp	Per N	IPDAP 8.5 "ASM	E XI Repair/Repla	Icement Program	•
	Certificate of	Authorization No.	N	/A	Expiration Date	N	/A
S	Signed	alluly Sanjib I	K. Mukherjee, Sen	or Engineer	Date	4-6-00	
	/		wher or Owner's Design	e, Title			•
			CERTIFICATE	OF INSERVIC	E INSPECTION		
l, a	, the undersig and the State	or Province of $\underline{}$	elid commission iss Pennsylvania Inston, R.I.	ued by the Natk and employe	ed by Facto	ry Mutual Insuranc	essel Inspector ce Co. of its described in the
7	Owner's Repo	rt during the perio	od 3/2	2/00	To 6/1/	150	its described in the and state that to asures described in
ti	his Owner's R	Report in accorda	nce with the requir	ements of the A	SME Code, Section	n XI.	asures described in
ti e	he examination in the examinatio	ons and corrective	er the Inspector no measures descri manner for any pe	ed in this Owne	r's Report, Furthe	rmore, neither the	Inspector nor his
	Robe	inspector's Signatur	noch	Commissions	NB 7569( National Sourd, St	WI) PA	2/6 <u>2</u>
٥	ate Ju	ne 1, 200	20				
				,		,	

Form No.	1319	
FUIII NO.	1313	

1. Owner	F.E.N.O.C.		Dat	e	06-08	-2000	
76 South M	lain Street - Akr	on, OH 44308	_ She	eet1	of	·	<u> </u>
2. Plant	Beaver Valley P	ower Station	Uni	t No.		1	· · · · · · · · · · · · · · · · · · ·
	Shippingport, P/	A 15077	<del></del>	W.O.	<del>‡00-000</del>	186-000	
	(ADDRESS)			REPAIR ORGANIZ	ATION P.O.	NO., JOB NO.,	ETC.
3. Work Perfor	rmed By <u>BVPS</u>	- Maintenance	Т	e Code Symbol	Stamp	Not A	policable
	Shippingport, PA	A 15077	Aut	horization No	<del></del>	N/A	
	(		Ext	oiration Date _		u	
4. Identification	n of System	River Water (Q	(3)				
5. (a) Applicable	Construction Code	B31.1	19 <u>67</u> Edit	tion, <u>S'71</u> Ac	idenda, _	N/A Code (	Case
	Edition of Section X				_		
6. Identification	n of Components	Repaired or Re	placed and Rep	placements Com	ponents	<b>S</b>	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (YES or NO)
Check Valve	Kerotest	JAW21-19	N/A	1RW-76	1987	Repaired	No
Disc Assembly	Kerotest	AMX6-4	N/A	Ht #89034 Code AMX	1988	Replace- ment	No
7. Description	of Work Replac	ed disc assembl	ly with like kind.		J		
8. *Tests Cond	ducted: Hydros Other	_	eumatic 🗌	Nominal Opera Test Temp.			*N/A

9. Remarks No Code Data Reports available. Previous NIS-2 Data Report No.: 1177. Valve was
manufactured to ANSI B16.34.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code Section XI.
Type Code Symbol Stampper_NPDAP 8.5 "ASME Section XI_Repair/Replacement_Program"
Certificate of Authorization No. N/A Expiration Date N/A
Signed Signed Source Signed Source Signed Si
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by Factory Mutual Insurance Co. of
Johnston, R.I. have inspected the components described in the  Owner's Report during the period 2/27/00 to 6/15/00, and state that to the
best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robert Cemoch Commissions NB7509(N,I) PA 2162
Inspector's Signature National Board, State, Province, and Endorsements
Date June 15, 20 00

Form No.	13 <b>20</b>	
----------	--------------	--

1.	Owner	F.E.N.	O.C.	<del></del>	Date <u>6-23-00</u>	<del></del> -		
		<b>(</b>						
	76 South Ma	ain Street-Akron, OH 4	4308		Sheet1		of <u>2</u>	
		(Address)						
2.	Plant Be	aver Valley Power Stat	ion		Unit No. 1			
		(Nam			•	<del>-                                    </del>		
	Shippingpor	t, PA 15077			Panais Orna	DCP-	2375 .O. No., Job No., etc.	
		(Address)			Kabaa Olga	nizacon P	.0. 140., 300 140., 416.	•
3.	Work Perfor	med By BVP	S-Construction		Type Code Symbol :	Stamp	N/A	
•	***************************************		(Name)	_	.,		· · · · · · · · · · · · · · · · · · ·	
					A AN		41/4	
	Shippingpor	t, PA 15077		<del></del>	Authorization No.	·	N/A	
		(Address)						
					Expiration Date		N/A	
4.	Identification	n of System Comp	onent Cooling Water	,				
**								
<b>5</b> .		icable Construction Co				-	de, <u>N-416-1</u>	Code Case
	(b) Appli	cable Edition of Section	on XI Utilized for Re	pairs or Repia	cements 19	89	_	
6.	Identificatio	n of Components Repa	ired or Replaced an	d Replacemen	t Components			
	Name of	Name of Manufacturer	Menufacturer Seriei No.	National Board No.	Other Identification	Year	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Ŀ		11.41.21.21.21				Built		
E)	(PANSION	Pathway Bellows	NA	NA	MEJ-1CC-2	1971	Replaced	No
	JOINT	Inc.				<del></del>		
F)	(PANSION	Senior Flexonics.	NA	NA	MEJ-1CC-2	2000	Replacement	No
	JOINT	inc.				<b></b>		
(E)	(PANSION	Pathway Bellows	NA	N/A	MEJ-1CC-128	1971	Replaced	No
	JOINT	inc.				<del> </del>		
E	KPANSION JOINT	Senior Flexonics,	NA	NA	MEJ-1CC-128	2000	Replacement	No
	30111	11105						
<u> </u>		<u></u>	<u> </u>	<del>!</del>	<u>I </u>			• . <u></u>
<b>7</b> .	Description	of Work Piping mo	dification to replace three 2° drain valves	expansion joi (1.CCR-904,	nts MEJ-1 CC-2 and M 905 & 908) and one %	EJ-1CC-1 ' vent valv	2S with new expansions (1CCR-907).	n joints.
		<del></del>						
8.	Tests Con	ducted: Hydrostat	ic 🗆 Pro	eumatic 🗆	Nominal Operati	ing Pressi	na m	
		OH =	Pressui	re 120°	pai Test	Temp.	6 <b>0*</b> °F	
		Other 🖸	Fressul	120	yes item		•	
				16.200	_		60. <b>6**</b>	
		N	lote: * For MEJ-	-CC-12S ar	d ** For MEJ-CC-	2		
		-						
							ASME	

!	9.	Remarks:	DCP-2375 scope in	cluded replacen	nent of two exis	ting Metal Ex	pansion	Joints (MEJ-1C	C-2 and 12S)
	-	with new	ansion joints. Thes	e expansion joir	its are welded	in place. This	design	change also inst	alled three 2"
	-	Valves and	one 3/2 vent valve. T	his design chan	ge is limited to	the CCR sys	tem. AS	ME Code Case I	V-416-1 is being
	-	used as an	alternative to the rec	uired pressure	est. Performed	in service Le	ak test	and Visual exam	ination (VT-2) on
	-	all new pipe	e welds using 1992 A	SME Section XI	Code.				
	-								
				CERTIFIC	ATE OF CO	MPLIANCE			
	cc	We certify onforms to the	y that the statements	made in the rep Code Section X	ort are correct	and this	·	replacement	nt .
	Ty	ype Code Sy	ymbol Stamp	Per NF	PDAP 8.5 'ASN	IE XI Repair/	Reclace	ment Program*	
	C	ertificate of	Authorization No.	N//	4	Expiration	Date	N/A	
	Si	igned		fukherjee, Senic or Owner's Designed		0	ate _	6-23-00	
			C	ERTIFICATE	OF INSERVIC	E INSPECT	10N		
	i, 1	the undersig	ned, holding a valid or Province of	commission issu Pennsylvania	led by the Nation	onal Board of	Boiler a	and Pressure Ves	sel Inspecto
		id die Otate		on, R.I.	_ and employ		Spected	Mutual Insurance	Co. of ot described in the
			ort during the period	2//	5/00	to 6	/27.	100	and state that to
	thi	is Owner's R	knowledge and belie Report in accordance	with the require	ments of the A	SME Code, S	ng taker ection X	i corrective mea: (I.	sures described in
	the en	e examinatio nployer shall	s certificate neither thons and corrective me I be liable in any man In this inspection.	easures describe	ed in this Owne	r's Report, F	urtherm	ore, neither the I	aspector nor his
-	<u>_</u>	Robe	t Com	och	Commissions	NB 7504	g (W) ard, State,	T) PA 2 Province, and Endon	. 162 Inments
	Da	ate Ju	no 27, 20	00					

Form No.	1321	

					·			
1.	Owner	F.E.N.	o.c.	<del></del>	Date 6-23-00			
	76 South Ma	ain Street-Akron, OH 4	4308		Sheet 1		of <u>2</u>	
		(Address)						
2.	Plant Bea	aver Valley Power Stat (Nam			Unit No. 1			<del></del>
	<b>A</b> 1.1	. 04 45077				200	2375	
	Shippingpor	t, PA 15077 (Address)			Repair Orga		2375 .O. No., Job No., etc.	
		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						•
3.	Work Perfor	med ByBVP	S-Construction (Name)		Type Code Symbol S	Stamp _	N/A	<del></del>
	Shippingpor	t, PA 15077			Authorization No.		N/A	
		(Address)						
					Expiration Date		N/A	
4.	Identification	n of System Compo	nent Cooling Wate	r				
					# MM 94		A1 44 <b>6</b> A	0-4-0
5.		cable Construction Col cable Edition of Section					de, <u>N-416-1</u>	Code Case
	(b) Appii	Cable Edition of Secre	IN AT COME BOT IN	hers or wahe	remiers (			
6.	Identification	n of Components Repa	ired or Replaced an	id Replacemen	nt Components			
•.				•	•			
	Name of Component	Name of Manufacturer	Menufacturer Serial No.	National Scard No.	Other identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
-								
2'	Ball Valve	Flowserve FCD	E274A1-3	N/A	1CCR-904	2000	Replacement	Yes
1		Corporation						
(An	chor Darling)					<del>                                     </del>		
2	Ball Valve	Flowserve FCD	E274A1-1	NA	1CCR-905	2000	Replacement	Yes
-		Corporation						1
(An	chor Darling)					<u> </u>		
2	" Ball Valve	Flowserve FCD Corporation	E274A1-2	N/A	1CCR-906	2000	Replacement	Yes
(An	chor Darling)	001,001		ł	}	ļ		
<u> </u>								
7.	Description	of Work Piping mo Also add t	dification to replace hree 2° drain valves	expansion joi (1CCR-904,	nts MEJ-1 CC-2 and M 905 & 905) and one 3/2	vent valv	2S with new expension (1CCR-907).	n joints.
8.	Tests Cond	lucted: Hydrostati	c 🗆 Pn	eumetic 🛚	Nominal Operati	ng Pressu	ire <b>G</b>	
		Other 🗆	Pressu	re 1120	pei Test	Temp. '	'50 •F	•
				**16.2			**60.8	
		Note · *	For 1CCR -904		06 and ** For 1C0	R-905	<del></del>	

9.	Remarks:	DCP-2375 scope inclu	ided replacement o	two existing Metal	Expansion Jo	pints (MEJ-1CC-2 and 12	S)
	with new e	expansion joints. These	expansion joints are	welded in place. T	his design ch	ange also installed three	<b>2</b> •
	Valves an	d one 3/2" vent valve. Thi	s design change is	imited to the CCR	system. ASMI	Code Case N-416-1 is t	eing
	used as a	n alternative to the requi	red pressure test. P	erformed in service	Leak test an	d Visual examination (VT	-2) on
	all new pig	pe welds using 1992 ASI	ME Section XI Code	. ASME Section III	valves were i	nstalled into an ANSI 831	.1
	System (C	Code Data Reports are n	ot available.)				
	·		CERTIFICATE	OF COMPLIANC	Ε		<del></del>
c		ify that the statements in the rules of the ASME C		e correct and this	ſ	replacement	_
T	ype Code S	Symbol Stamp	Per NPDAP	8.5 'ASME XI Repa	air/Replaceme	ent Program <sup>e</sup>	
C		f Authorization No.	N/A	Expirat	ion Date	N/A	
s	Signed $\frac{\mathcal{S}}{-}$	mis a think K. Mu	kherjee, Senior Eng	ineer	Date	6-23-00	
		*Owner or	Owner's Designee, Title		-	· · · · · · · · · · · · · · · · · · ·	
		signed, holding a valid co	ennsylvania an	the National Board	of Boiler and Factory Mu		of~
ti	he best of m	ort during the period	the Owner has per	ormed examination	6 /27 / 0 is and taken o	e components described  of , and state the corrective measures described.	at to
ti e	he examinat imployer sh	tions and corrective mea	sures described in t	his Owner's Report	. Furthermor	ressed or implied, conce e, neither the Inspector no ss of any kind arising fron	or his
(	Roly	ent Cimo Inepector's Signature	ch con	nmissions NB 75	509 (N/I u Board, Stale, Pr	PA2162 ovince, and Endorsements	
0	ate	une 27,200	00				