VIRGINIA ELECTRIC AND POWER COMPANY Richmond, Virginia 23261

March 12, 1991

U.S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, D.C. 20555 Serial No.: 91-127 NES/ETS Docket No.: 50-280 License No.: DPR32

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY SURRY POWER STATION STATION UNIT 1 INSERVICE INSPECTION SUMMARY REPORT FOR THE 1990 REFUELING OUTAGE

As set forth in the provisions of ASME Section XI, paragraph IWA 6230, enclosed is the Inservice Inspection Report for Surry Power Station Station Unit 1 for the 1990 refueling outage. This report is a summary of examinations performed during the outage to satisfy requirements for the second inservice inspection interval.

In accordance with IWA-6220 of the 1980 Edition of ASME Section XI, Winter 1980 Addenda, a Form NIS-1, Owner's Report for Inservice Inspections, is provided with this report as Enclosure 1 and the NIS-2 Forms, Owner's Reports of Repair and Replacement, are provided as Enclosure 2.

Should you require more detailed information, the entire report will be maintained on file at the station and the corporate office.

Very truly yours,

W. L. Stewart Senior Vice President - Nuclear

Enclosures

cc: U. S. Nuclear Regulatory Commission Region II 101 Marietta Street, N. W. Suite 2900 Atlanta, Georgia 30323

> Mr. W. E. Holland NRC Senior Resident Inspector Surry Power Station

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INSERVICE INSPECTION SUMMARY REPORT 1990 REFUELING OUTAGE

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-NOTICE-

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-NOTICE-

ENCLOSURE 1 SURRY POWER STATION UNIT 1 FALL 1990 ISI INSPECTIONS NIS - 1 FORM

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INSERVICE INSPECTION REPORT

of the

Surry Nuclear Power Station

Unit 1

P.O. Box 315

Surry, Virginia 23883

for

Virginia Electric and Power Company 5000 Dominion Blvd. Glen Allen, Virginia 23060

Commercial Service Date: December 22, 1972 Operating Capacity: 822 MWe (net) Refueling Outage: 2nd Interval, 2nd/3rd Period

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

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, VA 23060 (Name and Address of Owner)

- 2. Plant Surry Power Station, P.O. Box 315, Surry, VA 23883 (Name and Address of Plant)
- 3. Plant Unit ______4. Owner Certificate of Authorization (if required) N/A
- 5. Commercial Service Date <u>12/22/72</u> 6. National Board Number for Unit <u>N/A</u>
- 7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor				
Vessel	Rotterdam	RCPCRV 137-1		30678
Steam Gen. A, B, C	Westinghouse, Tampa Div.	2981, 2982, 2983	VA58203 VA58204 VA58205	681, 682, 683
Class 1 Piping	Southwest Fab			
Class 2				
Piping	Southwest Fab			
R.C. Pump				
A, B, C	Westinghouse	458,459,460		
Non Regen. Letdown HX	Joseph Oat & Sons	1674-2	VA59647	310
Regenerative HX	Sentry	4195-A3-7 4195-A3-8	VA59812	369, 370, 371
Component Supports	Class 1, 2 and 3		- 	
1-874D Valve	Velan			
1-889C Valve	Velan			
1-874C Valve	Velan			
1-874E Valve	Velan	<u> </u>		<u> </u>
1-876B Valve	Velan			
1-876C Valve	Velan			
1-874B Valve	Velan			

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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-1 (Back)

8. Examination Dates $\frac{7/10/88}{12/20/90}$ to $\frac{12/20/90}{9}$ 9. Inspection Interval from $\frac{12/22/82}{12/22/92}$ to $\frac{12/22/92}{12/22/92}$

10. Applicable Editions of Section XI 1980 Addenda W80

11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See pages 04 through 15.

12. Abstract of Conditions Noted. See page 03 and Attachments 1, 2, 3, 4 and 5.

13. Abstract of Corrective Measures Recommended and Taken. See page 03 and Attachments 1,2,3,4 and 5.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Certif	icate of Authori	zation No. (if applicable) _	N/A	Expiration D	DateN/	Ά <u></u> /	/
Date _	March 05,	19 _ ⁹¹ Signed	Virginia	Eventer + Power C. By	SWT.	him have for)
				Owner			

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Virginia</u> and employed by <u>H.S.B.I. & I. Co</u> of <u>Hartford</u>, <u>CT</u> have inspected the components described in this Owner's Report during the period <u>12/22/89</u> to <u>2/22/92</u>, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 J. Code	Commissions _	Va 543
Inspector's Signature		National Board, State, Province, and Endorsements
Date 3-5 19 <u>9/</u>	-	



Examination Summary

Virginia Electric and Power Company Surry Nuclear Power Station

Unit 1

Refueling Outage 2nd Interval, 2nd Period/3rd Period

Introduction

Inservice examinations of Class 1 and Class 2 components and piping were conducted at Surry Power Station Unit 1 from July 10, 1988 to December 20, 1990. As allowed by IWB-2412, inspections for the Second Interval, Second and Third Inspection Periods were performed.

Examination procedures were approved prior to the examinations. Certification documents relative to personnel, equipment, and materials were reviewed and determined to be satisfactory.

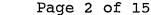
Inspections, witnessing, and surveillance of the examinations and related activities were conducted by personnel from the Hartford Steam Boiler Inspection and Insurance Company, One State Street, Hartford, CT 06102 (Mr. R.L. Coder); Surry Station Quality Assurance Department; and Surry technical staff.

Limitations

Some of the arrangements and details of the piping system and components were designed and fabricated before the access and examination requirements of Section XI of the 1974 Code could be applied; consequently some examinations are limited or not practical due to geometric configuration or accessibility. Generally these limitations exist at fitting to fitting joints such as elbow to tee, elbow to valve, reducer to valve, etc., where geometry and sometimes surface condition preclude ultrasonic coupling or access for the required scan length.

Examination

Examinations were conducted to review as much of the examination zones as was practical within geometric, metallurgical, and physical limitations. When the required ultrasonic examination volume or area could not be examined 100%, the examination was considered to be a partial (PAR) and so noted on the examination report. Generally PARs are noted at fitting to fitting assemblies and in areas where integrally welded supports (lugs, hangers, etc.) preclude access to some part of the examination.



<u>Results</u>

Examination of components resulted in a total of 12 items being reported on the basis of procedure recording criteria, which generally are more critical than the specified ASME Section XI Acceptance Standards.

A summary of the indications and their dispositions follows:

- A) Examination of reactor closure head studs, nuts, and washers on ISO VPA-1-1400 revealed two damaged studs and one damaged washer. These deficiencies were dispositioned in Attachment 1 of this report.
- B) Examinations of valve internals on ISO VPA-1-6300, Items
 69 and 80 noted deficiencies. These deficiencies were
 dispositioned in Attachment 2 and 3 of this report.
- C) The following component supports were inspected as part of the IWF inspection program. Inspection reports noted a deficiency, but Engineering evaluation determined the supports were fully operable. Evaluations of these deficiencies are included in Attachment 4 and 5 of this report.

WMKS-1021A37	H08
WMKS-0112A1	H05
WMKS-0103A2-1	HO3
WMKS-0103A2-2	H05
WMKS-0103A2-3	H04
WMKS-0112G1	H11A
WMKS-102D1-1	HO1
MKS-125A1	H02

Statement of Interval Status

Virginia Electric and Power Company is currently on schedule with its examination requirements.

	CATEGORY	ITEM NUMBER	ISOMETRIC VPA-1-1400	ITEM INSPECTED BOLTS,NUTS,WASHERS(1-58)	EXAM METHOD	INTERVAL/PERIOD 2/2
	AUGMENTED B-B	N/A B2.40 B3.140	VPA-1-3100 VPA-1-3100 VPA-1-3100	W3-1 2DNID	VT UT VT	2/3 2/3
	B-D B-D	B3.140	VPA-1-3100	2ANIR	VT	2/3
	B-D B-D	B3.140 B3.140	VPA-1-3100 VPA-1-3100	3ANIR 3BNIR	VT VT	2/3 2/3
	B-F B-G-1	B5.30/B5.50 B6.180	VPA-1-4300 VPA-1-5100A	₩5DM (A)1-24	PT,UT UT	2/3 2/2
h	B-G-1 B-G-2	B6.180 B7.70	VPA-1-5100A VPA-1-6300	(C)1-24 19	IIT	2/3 2/2
Ĺ	B-G-2	B7.70	VPA-1-6300 VPA-1-3100	67 A-32 STUDS AND NUTS	VT VT VT	2/2 2/3
3	B-G-2 B-G-2	B7.30 B7.50	VPA-1-4700	19	VT	2/3
5	B-G-2 B-G-2		VPA-1-6300 VPA-1-6300 VPA-1-6300	47 48	VT VT	2/3 2/3
5	B-G-2 B-G-2	B7.70 B7.70	VPA-1-6300 VPA-1-6300	77 84	VT VT	2/3 2/3
3	B-G-2 B-G-2	B7.70	VPA-1-6300 VPA-1-6300	80 79	VT VT	2/3 2/3
ý	B-J	B9.11	VPA-1-4303	W7 W4	PT,UT PT,UT	2/2 2/2
2	B−J B−J	B9.11 B9.11	VPA-1-4303 VPA-1-4303	W8	PT, UT	2/2
}	B-J B-J	B9.31 B9.31	VPA-1-4204 VPA-1-4205	W1(BC) W1(BC)	PT,UT PT,UT	2/2 2/2
5	B−J B−J	B9.32	VPA-1-4209 VPA-1-4312	W1(BC) W1	PŤ PT	2/2 2/2
, 7)	B-J B-J	B9.11 B9.11	VPA-1-4312 VPA-1-4303 VPA-1-4303	W2 W3	PT,UT PT,UT	2/3 2/3
) }	B-J	B9.11	VPA-1-4304	. W6	PT,UT	2/3 2/3
)	B-J B-J	B9.11 B9.11	VPA-1-4304 VPA-1-4500	₩5 ₩8	PT,UT PT,UT	2/3
	B-J B-J	B9.21 B9.21	VPA-1-4306 VPA-1-4306	W14 W12	PŤ PT	2/3 2/3
	B-K-1 B-K-1	B10.10 B10.10	MKS-0125A1 MKS-0122L1	H-05 H-02	PT PT	2/2 2/2
	B−K−1 B−K−1	B10.10 B10.10	MKS-0122L1 MKS-0122D1	H-01 H-01	PT PT PT PT	2/2 2/2
Ś	B-K-1	B10.10	MKS-0122D1 MKS-0125A1 MKS-0122A2	H-02 H-30	PT PT	$\frac{\bar{2}/\bar{2}}{2/2}$
)	B-K-1 B-K-1	B10.10 B10.10	MKS-0122L1	Н-03	PT PT PT PT	2/2
	B-K-1 B-K-1		VPA-1-4505 VPA-1-5100B	H-01 (B)3SC		2/2 2/2
}	B-K-1 B-K-1	B10.20 B10.20	VPA-1-5100B VPA-1-5100B	(B)2SC (B)4SC	PT PT	2/2 2/2
	B-K-1 B-K-1	B10.20 B10.20	VPA-1-5100B VPA-1-5100B	(B)1SC (C)1SC	PT PT	2/2 2/3
7	B-K-1	B10.20	VPA-1-5100B	(Č)4ŠČ 69	PT VT	2/3 2/2
5	B-M-2 B-M-2	B12.40 B12.40	VPA-1-6300 VPA-1-6300	70	VT	2/2
)	B-M-2 B-M-2	B12.40 B12.40	VPA-1-6300 VPA-1-6300	74 75	VT VT	2/2 2/2
2	B-M-2 B-M-2	B12.40 B12.40	VPA-1-6300 VPA-1-6300	77 79	VT VT	2/2 2/2
ĺ	B-M-2 B-N-1	B12.40 B13.10	VPA-1-6300 VPA-1-1200A	80 RV INTERIOR	VT VT	2/2 2/2
5	C-A	C1.10	VPA-2-1140	W2,0"-57" W1,0"-56"	ŮŤ UT	2/2 2/2
\$	C-A C-A	C1.20 C1.20	VPA-2-1140 VPA-2-1150	W10,6"-19"	UT	2/2
)	C-A C-A	C1.30 C1.30	VPA-2-1150 VPA-2-1150	W4,6"-19" W11,6"-19"	UT UT	2/2 2/2
2	C-A C-B	C1.30 C2.22	VPA-2-1150 VPA-2-1100	W12,6"-19" A-9NIR	UT VT	2/2 2/2
3	C-B	C2.22	VPA-2-1100	A-10NIR	VT	2/2



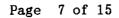
	CATEGORY C-B C-C C-C	ITEM NUMBER C2.22 C3.10 C3.40	ISOMETRIC VPA-2-1100 VPA-2-1140 MKS-0123E1	ITEM INSPECTED B-W9NIR 1WS H-04	EXAM METHOD VT PT PT PT	INTERVAL/PERIOD 2/3 2/2 2/2
66 67 68 69 70	C-C C-C C-C C-C C-C	C3.40 C3.40 C3.40 C3.40 C3.40	MKS-0123E1 VPA-2-2201 MKS-0122A1 VPA-2-2201	H-09 H-05 H-03 H-07	PT PT PT MT	2/2 2/2 2/2 2/2 2/2 2/2
71 72 73 74	C-C C-C F-A F-C	C3.40 C3.40	VPA-2-2300 VPA-2-2301 MKS-0125A1 MKS-118A1	H-03 H-06 H-05 H-04	MT MT VT VT	2/2 2/2 2/2
75 76 77 78 79	F-C F-C F-C F-C		MKS-118A1 MKS-118A1 MKS-118A2 MKS-118A2	H-01 H-03 H-10 H-31 H-32	VT VT VT VT VT	2/2 2/2 2/2 2/2 2/2 2/2 2/2
79 80 81 82 83	F-A F-C F-A F-C E-A		MKS-118A2 MKS-122A1 MKS-122A2 MKS-122D1 MKS-122H1	H-03 H-03 H-30 H-01 H-05	VT VT VT VT VT	2/2 2/2 2/2 2/2 2/2
83 84 85 86 87	F-A F-A F-A F-B		MKS-122J1 MKS-122J1 MKS-122K1 MKS-122K1 MKS-122K1	H-04 H-12 H-11 H-04	VT VT VT VT	2/2 2/2 2/2 2/2 2/2
88 89 90 91	F-C F-C F-A F-C		MKS-122L1 MKS-122L1 MKS-122L1 MKS-122L1 MKS-123G2	H-02 H-01 H-03 H-02	VT VT VT VT	2/2 2/2 2/2 2/2 2/2
92 93 94 95	F-A F-B F-A F-C		MKS-124A1 MKS-125A1 MKS-125A1 MKS-125A1 MKS-125A1	H-20 H-07 H-04 H-08	VT VT VT VT	2/2 2/2 2/2 2/2 2/2
98 99	F-C F-B F-A F-C		VPA-1-4210 VPA-1-4210 VPA-1-4306 VPA-1-4505	H-01 H-02 H-02 H-01	VT VT VT VT	2/2 2/2 2/2
100 101 102 103	F-A F-A F-A F-A		VPA-1-5100B VPA-1-5100B VPA-1-5100B VPA-1-5100B	3SC 2SC 4SC W1SC 1WS	VT VT VT VT VT	2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2
$104 \\ 105 \\ 106 \\ 107 \\ 108$	F-A F-C F-C F-A F-C		VPA-2-1140 VPA-2-2201 VPA-2-2201 VPA-2-2300 VPA-2-2301	H-05 H-07 H-03 H-06	VT VT VT VT	2/2 2/2 2/2 2/2
109 110 111 112	TS3.2 TS3.2 TS3.2 TS3.2 TS3.2		WMKS-0100D1 WMKS-0100D1 WMKS-0100D1 WMKS-0100D1	HSS-02A HSS-02B HSS-03A HSS-03B	VT VT VT VT	2/2 2/2 2/2 2/2 2/2 2/2
$ 113 \\ 114 \\ 115 \\ 116 \\ 116 $	TS3.2 TS3.2 TS3.2 TS3.2 TS3.2		WMKS-0100D1 WMKS-0100D1 WMKS-0100D1 WMKS-0100D1	HSS-04A HSS-04B HSS-05A HSS-05B	VT VT VT VT VT	2/2 2/2 2/2 2/2 2/2 2/2
117 118 119 120 121	TS3.2 TS3.2 TS3.2 TS3.2 TS3.2 TS3.2		WMKS-0100D1 WMKS-0100D1 WMKS-0100G1 WMKS-0100G1 WMKS-0100G1	HSS-06A HSS-06B HSS-01 HSS-02 HSS-09	VT VT VT VT VT	2/2 2/2 2/2 2/2 2/2 2/2
122 123 124 125	F-C F-A F-A F-A F-A		WMKS-01018A2 WMKS-01018A2 WMKS-01018A2 WMKS-01018A2	H-03 H-04 H-05 H-06	VT VT VT VT	2/2 2/2 2/2 2/2 2/2
126	TS3.2		WMKS-0101D1	HSS-11	VT	2/2



	CATEGORY TS3.2	ITEM NUMBER	ISOMETRIC WMKS-0101D1	ITEM INSPECTED HSS-12	EXAM METHOD VT	INTERVAL/PERIOD 2/2
A CONTRACTOR	TS3.2		WMKS-0101G1	HSS-11	VT	2/2 2/2
129 130	TS3.2 TS3.2		WMKS-0101G1 WMKS-0101G1	HSS-12 HSS-15	VT VT	2/2 2/2
131	TS3.2		WMKS-0101G1	HSS-16	VT	2/2 2/2
$\begin{array}{c} 132\\133 \end{array}$	TS3.2 TS3.2		WMKS-0102D1 WMKS-0102D1	HSS-09 HSS-10	VT VT	2/2
134	TS3.2		WMKS-0102G1	HSS-10	VT	2/2 2/2
135	TS3.2		WMKS-0102G1	HSS-13 HSS-14	VT VT	2/2 2/2
136 137	TS3.2 TS3.2		WMKS-0102G1 WMKS-0102G1	HSS-14 HSS-17	VT	2/2
138	TS3.2		WMKS-0103A2-1	HSS-31	VT	2/2
139 140	TS3.2 TS3.2		WMKS-0103A2-1 WMKS-0103A2-1	HSS-32 HSS-35A	VT VT	2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2
141	TS3.2		WMKS-0103A2-1	HSS-35B	VT	$\bar{2}/\bar{2}$
$\begin{array}{c} 142 \\ 143 \end{array}$	F-B F-C		WMKS-0103A2-1 WMKS-0103A2-1	H-87 H-03	VT VT	2/2 2/2
144	TS3.2		WMKS-0103A2-2	HSS-27	VT	$\frac{1}{2}/\frac{1}{2}$
$\begin{array}{c} 145\\ 146 \end{array}$	TS3.2 TS3.2		WMKS-0103A2-2 WMKS-0103A2-2	HSS-28 HSS-33A	VT VT	2/2 2/2
140	TS3.2		WMKS-0103A2-2	HSS-33B	VT	2/2
148	F-B		WMKS-0103A2-2	H-88	VT VT	2/2 2/2
149 150	F-C TS3.2		WMKS-0103A2-2 WMKS-0103A2-3	H-05 HSS-29	V I VT	2/2
151	TS3.2		WMKS-0103A2-3	HSS-30	VT	2/2 2/2
$\overline{152}$ 153	TS3.2 TS3.2		WMKS-0103A2-3 WMKS-0103A2-3	HSS-34A HSS-34B	VT VT	2/2 2/2
154	F-B		WMKS-0103A2-3	H-89	VT	2/2 2/2 2/2
$\begin{array}{c} 155\\ 156 \end{array}$	F-C F-C		WMKS-0103A2-3 WMKS-0112A1	H-04 H-06	VT VT	2/2
157	F-C F-A		WMKS-0112AE1	H-01	VT	2/2 2/2
1	F-A		WMKS-0112AE1	H-02 H-03	VT VT	2/2 2/2 2/2 2/2
i	F-B F-A		WMKS-0112AE1 WMKS-0112AE1	H-03 H-04	VT	2/2
161	F-A		WMKS-0112AE1	H-05	VT	2/2 2/2
162 163	F-C F-A		WMKS-0112AE2 WMKS-0112AE2	H-11 H-12	VT VT	2/2
164	F-C		WMKS-0112AE2	H-13	VT	2/2
$\begin{array}{c} 165\\ 166 \end{array}$	F-A F-C		WMKS-0112AE2 WMKS-0112AE2	H-14 H-15	VT VT	2/2 2/2
167	F-C		WMKS-0112AE2	H-16	VT	2/2 2/2
168	F-C		WMKS-0112AE2 WMKS-0112AH1	H-17 H-01	VT VT	2/2 2/2
169 170	F-A F-B		WMKS-0112AH1	H-06	VT	2/2
171	F-C		WMKS-0112AH2 WMKS-0112AH2	H-10A H-10B	VT VT	$\frac{2}{2}$
$\begin{array}{c} 172 \\ 173 \end{array}$	F-C F-C		WMKS-0112AH2	H-10B H-11	VT	2/2 2/2 2/2 2/2
174	F-C		WMKS-0112AH2	H-13	VT VT	2/2 2/2
$\begin{array}{c} 175\\ 176 \end{array}$	F-C F-C		WMKS-0112AH2 WMKS-0112AH2	H-14A H-14B	VT	$\frac{2}{2}$
177	F-C		WMKS-0112AH2	H-08A	VT	2/2 2/2 2/2
178 179	F-B F-C		WMKS-0112AH2 WMKS-0112AH2	H-08B H-12	VT VT	2/2
180	F-A		WMKS-0112AK1	H-02	VT	2/2
181 182	F-B		WMKS-0112AK1 WMKS-0112AK1	H-07 H-08	VT VT	2/2
183	F-A F-B		WMKS-0112AK1	H-10	VT	2/2 2/2
184	F-A		WMKS-0112AK1 WMKS-0112AK1	H-12 H-16	VT VT	2/2 2/2
185 186	F-B F-C		WMKS-0112AK1	H-18	VT	2/2
187	F-A		WMKS-0112AL1 WMKS-0112AL1	H-02 H-03	VT VT	2/2 2/2
188 189	F-A F-B		WMKS-0112AL1 WMKS-0112AL1	H-05	VT	2/2
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	CATEGORY	ITEM NUMBER		ITEM INSPECTED H-06	EXAM METHOD VT	INTERVAL/PERIOD 2/2
	F-C		WMKS-0112AL1 WMKS-0112AL1	H-08 H-07	VT	2/2
102	F-B		WMKS-0112AL1	H-03	VT	2/2 2/2
$1\overline{92} \\ 193$	F-A F-B	4.	WMKS-0112AN1	H-04	Ϋ́Τ	$\overline{2}/\overline{2}$
194	F-A		WMKS-0112AN1	Ĥ-06	VT	2/2 2/2
195	F-B		WMKS-0112AN1	H-07	VT	2/2
196	F −Ĉ		WMKS-0112AR1	H-01	VT	2/2
197	F−B		WMKS-0112AR1	H-04	VT	2/2
198	F-A		WMKS-0112AR1	H-11	VT	2/2
199	F-A		WMKS-0112AR2	H-13	VT .	2/2
200	F-B		WMKS-0112AR2	H-14	VT	2/2
201	F-B		WMKS-0112AR2	H-15	VT VT	2/2 2/2
202	F-C		WMKS-0112AR2 WMKS-0112AK1	H-16 H-17	VT	2/2
203 204	F-A F-A	,	WMKS-0112AK1 WMKS-0112B1	H-10	ŇŤ ·	2/2 2/2 2/2
205	F-A F-A		WMKS-0112C1	Ĥ-11	ŶŤ	$\overline{2}/\overline{2}$
206	F-A		WMKS-0112C1	H-12	VT	2/2
207	F-B		WMKS-0112C1	H-13	VT	2/2
208	F-A		WMKS-0112C1	H-14	VT	2/2
209	F-A		WMKS-0112C1	H-18	VT	2/2
210	F-A		WMKS-0112C1	H-20	VT	2/2
211	F-B		WMKS-0112C1	H-21	VT	2/2 2/2
212	F−B		WMKS-0112C1	H-22	VT VT	2/2
213	F-A		WMKS-0112C1 WMKS-0112C1	H-01A H-01B	VT	2/2
214 215	F-B		WMKS-0112C1	H-01B	VT	2/2
215	F-A F-A		WMKS-0112C1	H-03	νŤ	2/2
$\frac{210}{217}$	F-A		WMKS-0112C1	H-04	VT	2/2 2/2
218	F-B		WMKS-0112C1	H-05	VT	2/2
$\overline{2}\overline{1}\overline{9}$	F-A		WMKS-0112C1	H-06	VT	2/2 2/2
220	F-A		WMKS-0112C1	H-10	VT	2/2
224	F-B		WMKS-0112D1	н-09	VT	2/2
	F−B		WMKS-0112D1	H-11	VT VT	2/2 2/2
	F-C F-C		WMKS-0112D1 WMKS-0112D1	H-22 H-21A	VT	2/2
224 225	F-C F-C		WMKS-0112D1	H-21R H-21B	VŤ	$\frac{2}{2}$
226	F-A		WMKS-0112E1	H-01	ŶŦ	2/2 2/2
227	Ê−B		WMKS-0112E1	H-05	VT	2/2
228	F-B		WMKS-0112E1	H-07	VT	2/2
229	F-B		WMKS-0112E1	H-08	VT	2/2
230	F-B		WMKS-0112E1	H-09	VT	2/2
231	F-B		WMKS-0112E1	H-11 H-12	VT VT	2/2
232	F-B F-B		WMKS-0112E1 WMKS-0112E1	H-12 H-13	VT	2/2 2/2
233 234	F-B F-A		WMKS-0112E1	H-14	VT	2/2
235	F-C		WMKS-0112E3	Ĥ-23	Ϋ́Τ	2/2
236	F-Č		WMKS-0112E3	H-25	VT	2/2 2/2
$\overline{2}\overline{3}\overline{7}$	Ē−Ă		WMKS-0112E3	H-26	VT	2/2
238	F-A		WMKS-0112E3	H-27	VT	2/2
239	F-C		WMKS-0112E3	H-30	VT	2/2
240	F-B		WMKS-0112F1	H-14	VT	2/2 2/2
241	F-A		WMKS-0112F1	H-17	VT VT	2/2
242	F-B		WMKS-0112F1 WMKS-0112F1	H-19 H-01	VT	$\frac{2}{2}$
243 244	F-A F-P		WMKS-0112F1	H-01 H-02	VT	2/2
$244 \\ 245$	F-B F-A		WMKS-0112F1	H-02 H-05	VT	2/2
246	F-A F-A		WMKS-0112F1	H-06	VT	2/2
247	F−B		WMKS-0112F1	H-08	VT	2/2
248	F-B		WMKS-0112F1	H-09	VT	2/2
249	F-A		WMKS-0112F1	H-10	VT	2/2
250	F-A		WMKS-0112F1	H-11 H-02	VT VT	2/2 2/2
251	F-A F-P		WMKS-0112G1 WMKS-0112G1	H-02 H-04		2/2
252	F-B		4MU9-011791	11 01	71	2, 2



255 256 257 258 260 261 262 263 264 265 266 266 267 268 269 270 271	CATEGORY F-A F-B F-B F-B F-C F-C F-C TS3.2 TS3.2 TS3.2 F-C F-A F-C F-A F-C F-A F-C F-A	ITEM NUMBER	ISOMETRIC WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G1 WMKS-0112G2 WMKS-0112G2 WMKS-0112G2 WMKS-0112G2	ITEM INSPECTED H-05 H-07 H-08 H-15 H-20 H-22 H-26A H-27 H-26B HSS-60A HSS-331 HSS-330 H-12 H-24 H-11B H-11A H-26A H-26B H-27	EXAM METHOD VT VT VT VT VT VT VT VT VT VT VT VT VT	INTERVAL/PERIOD 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/
275 276 277 278 280 281 282 283 287 288 289 290 291 292 293 294 295 297 298 299 300 301 302 303 304 305 306 307 308 309 311 312 313 314 315	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF		WMKS-0112G2 WMKS-0112G3 WMKS-0112G3 WMKS-0112G3 WMKS-0112G3 WMKS-0112J1 WMKS-0112J1 WMKS-0112J1 WMKS-0112J1 WMKS-0112J1 WMKS-0112L1 WMKS-0112L1 WMKS-0112L1 WMKS-0112L2 WMKS-0112L2 WMKS-0112L2 WMKS-0112L3-1 WMKS-0112L3-1 WMKS-0112L3-1 WMKS-0112L3-1 WMKS-0112L3-2 WMKS-0112L3-1 WMKS-0112L3-1 WMKS-0112L3-1 WMKS-0112L3-1 WMKS-0112L3-1 WMKS-0112M2 WMKS-0112M2 WMKS-0112M2 WMKS-0112M2 WMKS-0112M2 WMKS-0112M2 WMKS-0112M2 WMKS-0112M2	$\begin{array}{c} H-31\\ H-37\\ H-34\\ H-35\\ H-36\\ H-42\\ H-03\\ H-05\\ H-06\\ H-07\\ H-09\\ H-01\\ H-31\\ H-32\\ H-17\\ H-08\\ H-09\\ H-12\\ H-14\\ H-20\\ H-22\\ H-02\\ H-11\\ H-12\\ H-13\\ H-14\\ H-15\\ H-16\\ H-17\\ H-18\\ H-19\\ H-23\\ H-24\\ H-25\\ H-26\\ H-26\\ H-26\\ \end{array}$	VT VT VT VT VT VT VT VT VT VT VT VT VT V	2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2

	CATEGORY	ITEM NUMBER	ISOMETRIC	ITEM INSPECTED		INTERVAL/PERIOD
	F-C		WMKS-0112M3	H-27	VT	2/2
010	F-A		WMKS-0112M3 WMKS-0112M3	H-28 H-29	VT VT	2/2 2/2 2/2 2/2 2/2
318 319	F-B F-A		WMKS-0112M3	H-23 H-34	Ϋ́Τ	$\frac{1}{2}/\frac{1}{2}$
320	F-C		WMKS-0112M3	H-35	VT	2/2
321	F-B		WMKS-0112T1	H-02	VT	2/2
322	F-B		WMKS-0112T1	H-03 H-18	VT VT	2/2
323 324	F-C F-C		WMKS-0112T2 WMKS-0112T2	H-18 H-11	VT	$\frac{2}{2}$
325	F-C F-C		WMKS-0112T2	Ĥ-06	VT	2/2 2/2 2/2 2/2 2/2 2/2
326	F-B		WMKS-0112T2	Н-08	VT	2/2
327	F-A		WMKS-0112T2	H-09	VT VT	2/2
328	F-B F-C		WMKS-0112T2 WMKS-0112T3	H-19 H-16	VT	$\frac{2}{2}$
329 330	F-C		WMKS-0112T3	H-12	VT	$\bar{2}/\bar{2}$
331	F-B		WMKS-0112T3	H-13	VT	2/2
332	TS3.2		WMKS-0112T3 WMKS-0112T3	HSS-340A HSS-340B	VT VT	2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2
333 334	TS3.2 F-C		WMKS-011213 WMKS-0112T3	H-13	VT	$\frac{2}{2}$
335	F-C		WMKS-0112T3	H-15	VT	2/2
336	TS3.2		WMKS-0117A1-1	HSS-01	VT	2/2 2/2
337	TS3.2		WMKS-0117A1-1	HSS-02 HSS-03	VT VT	2/2
338 339	TS3.2 TS3.2		WMKS-0117A1-1 WMKS-0117A1-1	HSS-03	VT	$\frac{2}{2}$
340	TS3.2		WMKS-0117A1-1	HSS-14	VT	2/2 2/2 2/2
341	TS3.2		WMKS-0117A1-1	HSS-20	VT	2/2
342	TS3.2		WMKS-0117A1-1	HSS-103 HSS-104	VT VT	2/2 2/2 2/2
343 344	TS3.2 TS3.2		WMKS-0117A1-1 WMKS-0117A1-1	HSS-104 HSS-105	VT	$\frac{2}{2}/2$
345	TS3.2		WMKS-0117A1-1	HSS-120A	VT	2/2 2/2
346	TS3.2		WMKS-0117A1-1	HSS-120B	VT	2/2
345	TS3.2		WMKS-0117A1-2 WMKS-0117A2	HSS-11 HSS-05	VT VT	2/2 2/2
	TS3.2 TS3.2		WMKS-0117A2	HSS-06	VT	$\frac{2}{2}$
350	TS3.2		WMKS-0117A2	HSS-07	VT	2/2 2/2
351	TS3.2		WMKS-0117A2	HSS-15	VT	2/2
352 353	TS3.2 TS3.2		WMKS-0117A2 WMKS-0118A1	HSS-08 HSS-142	VT VT	2/2 2/2 2/2
354	TS3.2		WMKS-0118A1	HSS-143A	VT	$\overline{2}'/\overline{2}$
355	TS3.2		WMKS-0118A1	HSS-143B	VT	2/2
356	F-A		WMKS-0118G1-2	H-09 H-10	VT VT	$\frac{2}{2}$
357 358	F-A F-A		WMKS-0118G1-2 WMKS-0118G1-2	H-10 H-11	VT	$\frac{2}{2}$
359	F-A	•	WMKS-0118G1-2	H-12	VT	2/2 2/2 2/2
360	F-A		WMKS-0118G1-2	H-13	VT	2/2
361 362	F-A F-A		WMKS-0118G1-3 WMKS-0118G1-3	H-14 H-15	VT VT	2/2 2/2 2/2
363	F-A F-B		WMKS-0118G1-3	H-16A	VT	$\frac{2}{2}$
364	F−B		WMKS-0118G1-3	H-16B	VT	2/2
365	F-A		WMKS-0118G1-3	H-17	VT VT	2/2 2/2 2/2 2/2 2/2
366 367	F-A F-B		WMKS-0118G1-3 WMKS-0118G1-3	H-18 H-19	VT	$\frac{2}{2}$
368	F-A		WMKS-0118G1-3	Ĥ-2Ŏ	VT	$\overline{2}'/\overline{2}$
369	F-A		WMKS-0118G1-4	H-22	VT	2/2
370	F-A		WMKS-0118G1-4	H-23 H-24A	VT VT	2/2
$\begin{array}{c} 371\\ 372 \end{array}$	F-A F-A		WMKS-0118G1-4 WMKS-0118G1-4	H24B	VT	$\frac{2}{2}$
373	F-A		WMKS-0118G1-4	H-26	VT	2/2 2/2 2/2 2/2 2/2
374	F-A		WMKS-0118G1-4	H-27	VT	2/2
375 376	F-C F-C		WMKS-0118G1-5 WMKS-0118G1-5	H-01 H-02	· VT VT	2/2 2/2
377	F-C F-C		WMKS-0118G1-5	H-03	VT	2/2
378	F-C		WMKS-0118G1-5	н-04	VT	2/2

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	CATEGORY	ITEM NUMBER		ITEM INSPECTED		INTERVAL/PERIOD
	F-C		WMKS-0118G1-5	H-05	VT	2/2
3	F-C		WMKS-0118G1-5	H-06	VT	2/2 2/2 2/2 2/2
381	F-C		WMKS-0118G1-5	H-07	VT	2/2
382	F-C		WMKS-0118G1-5	H-08	VT	4/4
383	TS3.2		WMKS-0122A1	HSS-22	VT VT	2/2
384	TS3.2		WMKS-0122A1	HSS-102	VI VT	2/2
385	TS3.2		WMKS-0122A2	HSS-23 HSS-25	VT	2/2
386	TS3.2		WMKS-0122A2 WMKS-0122D1	HSS-225 HSS-22A	VT	$\frac{2}{2}$
387	TS3.2		WMKS-0122D1	HSS-22B	Ϋ́Τ	$\frac{1}{2}/\frac{1}{2}$
388	TS3.2		WMKS-0122D1	HSS-22B	VT	2/2
389 390	TS3.2 TS3.2		WMKS-0122D1	HSS-24A	VT	$\bar{2}/\bar{2}$
390 391	TS3.2		WMKS-0122D1	HSS-24B	Ϋ́Τ	2/2 2/2
392	TS3 2		WMKS-0122D1	HSS-28	ŶŦ	2/2
392 393	TS3.2 TS3.2		WMKS-0122D1 WMKS-0122L1	HSS-20	VT	2/2
394	ŦŜĴ.Ż		WMKS-0122L1	HSS-19A	VT	2/2 2/2 2/2 2/2 2/2
395	TS3.2		WMKS-0122L1	HSS-19B	VT	2/2
396	F-C		WMKS-0123N1	H-02B	VT	2/2 2/2
397	F-C		WMKS-0123N1	H-01	VT	2/2
398	F-C		WMKS-0123N2	H-05A	VT	2/2
399	F-C		WMKS-0123N2	H-04	VT	2/2
400	F-C		WMKS-0123N2	H-5B	VT	2/2 2/2
401	TS3.2		WMKS-0123R1	MSS-116A	VT	2/2
402	TS3.2		WMKS-0123R1	MSS-116B MSS-115A	VT VT	2/2
403	TS3.2		WMKS-0123R2		VT	2/2
404	TS3.2		WMKS-0123R2	MSS-115B HSS-110	VT	2/2
405	TS3.2 TS3.2		WMKS-0124A1-1 WMKS-0125A1-1	HSS-110 HSS-105	VT	$\frac{2}{2}$
406 407	TS3.2 TS3.2		WMKS-0125A1-1	HSS-105	VT	$\frac{1}{2}/\frac{1}{2}$
407	TS3.2		WMKS-0125A1-1	HSS-107	Ϋ́Τ	$\bar{2}/\bar{2}$
408	TS3.2		WMKS-0125A1-1	HSS-108	Ϋ́Τ	$\frac{1}{2}/\frac{1}{2}$
4	TS3.2		WMKS-0125A1-2	HSS-102	VT	2/2
	TS3.2		WMKS-0125A1-2	HSS-103	VT	2/2
4	TS3.2		WMKS-0125A1-2	HSS-104	VT	2/2
413	F-C		WMKS-0127C1	H-01	VT	2/2
414	F-C		WMKS-0127C1	H-03	VT	2/2
415	F-C		WMKS-0127C1	H-04	VT	2/2
416	F-B		WMKS-0127C1	H-02	VT	2/2
417	F-C		WMKS-0127C1	H-05	VT	2/2
418	F-C		WMKS-0127C1	H-06	VT	2/2 2/2
419	F−B		WMKS-0127C1	H-07	VT VT	2/2
420	F-C		WMKS-0127C2	H-11 H-09	VT	$\frac{2}{2}/2$
421	F-C		WMKS-0127C2 WMKS-0127C2	H-12	VT	$\frac{2}{2}/2$
422	F-C		WMKS-0127C2	H-13	VT	$\frac{5}{2}/\frac{5}{2}$
423 424	F-C F-C		WMKS-0127C2	H-14	Ϋ́Τ	$\overline{2}/\overline{2}$
425	TS3.2		WMKS-0127C2	HSS-100	VT	2/2 2/2 2/2 2/2
426	TS3.2	,	WMKS-0127C2	HSS-101	VT	2/2
427	TS3.2 TS3.2		WMKS-0127C2	HSS-107	VT	2/2
428	F-C		WMKS-0127C2	H-15	VT	2/2
429	F-C		WMKS-0127E1	H-07	VT	2/2
430	F-C		WMKS-0127E1	H-02	VT	2/2 2/2
431	F-A		WMKS-0127E1	H-01	VT	2/2
432	F-B		WMKS-0127E1	H-04	VT	2/2 2/2
433	F-A		WMKS-0127E1	H-05	VT	2/2
434	F-A		WMKS-0127E1	H-06	VT .	2/2 2/2
435	F-A		WMKS-0127E1	H-08	VT VT	2/2
436	TS3.2		WMKS-0127E1	HSS-84 H-02	V I VT	2/2
437	F-C		WMKS-0127E2 WMKS-0127E2	H-02 H-07	VT	$\frac{2}{2}/2$
438 439	F-C F-B		WMKS-0127E2	H-04	VT	$\frac{2}{2}/\frac{2}{2}$
439 440	F-B F-A		WMKS-0127E2	H-04 H-05	VT	$\frac{1}{2}/\frac{1}{2}$
440	F-A		WMKS-0127E2	H-06	ŶŦ	$\overline{2}/\overline{2}$

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	CATEGORY F-A	ITEM NUMBER	ISOMETRIC WMKS-0127E2	ITEM INSPECTED H-08	VT	INTERVAL/PERIOD 2/2
444	TS3.2 F-C		WMKS-0127E2 WMKS-0127G1-1	HSS-85 H-01	VT VT	2/2 2/2 2/2 2/2
445 446	F-A F-B		WMKS-0127G1-1 WMKS-0127G1-1	H-04 H-05	VT VT	2/2 2/2
447 448	F-B F-C		WMKS-0127G1-1 WMKS-0127G1-1	H-07 H-08	VT VT	2/2 2/2 2/2
449	F-A		WMKS-0127G1-1 WMKS-0127G1-1	H-11 H-10A	VT VT	2/2
450 451	F-C F-C		WMKS-0127G1-1	H-10B	VT	2/2
452 453	F-C F-A		WMKS-0127G1-1 WMKS-0127G1-2	H-12 H-16	VT VT	2/2 2/2
454 455	F-A F-A		WMKS-0127G1-2 WMKS-0127G1-2	H-17 H-18	VT VT	2/2 2/2
456 457	F-C F-C		WMKS-0127G1-2 WMKS-0127G1-2	H-13 H-14	VT VT	2/2 2/2
458	F-C		WMKS-0127G1-2	H-15 H-20	VT VT	2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2
459 460	F-A F-A		WMKS-0127G2 VPA-1-4309	н-03	VT	2/3
461 462	F-C F-C		VPA-1-4309 VPA-1-4310	H-04 H-04	VT VT	2/3 2/3 2/3
463 464	F-A F-A		VPA-1-5100B VPA-1-5100B	1SC 4SC	VT VT	2/3
465	F-B		WMKS-0127G2	H-21 H-22	VT VT	2/3 2/3
466 467	F-B F-B		WMKS-0127G2 WMKS-0127G2	H-23	VT	2/3
468 469	F-A F-B		WMKS-0127G2 WMKS-0127G2	H-24 H-25	VT VT	2/3
470 471	F-A F-A		WMKS-0127G2 WMKS-0127G2	H-26 H-27	VT VT	2/3 2/3 2/3 2/3 2/3 2/3
472	TS3.2 TS3.2		WMKS-0127G2 WMKS-0127G2	HSS-301 HSS-302	VT VT	2/3
47	F-C		WMKS-0127G2	H-19	VT VT	2/3 2/3
4 476	F-A F-A		WMKS-1018B4 WMKS-1018B4	H-01 H-02	VT	2/3 2/3
477 478	F-A F-A		WMKS-1018B4 WMKS-1018B4	H-03 H-05	VT VT	2/3 2/3
479 480	F-B F-B		WMKS-1018B4 WMKS-1018B4	H-19 H-20	VT VT	2/3 2/3 2/3 2/3 2/3
481	F-A		WMKS-1021A1 WMKS-1021A1	H-01 H-02	VT VT	2/3 2/3
482 483	F-A F-A		WMKS-1021A1	H-03	VT	2/3
484 485	F-A F-C		WMKS-1021A1 WMKS-1021A11	H-04 H-01	VT VT	2/3 2/3
486 487	F-B F-A		WMKS-1021A11 WMKS-1021A2	H-02 H-01	VT VT	2/3 2/3
488 489	F-A F-A		WMKS-1021A2 WMKS-1021A2	H-02 H-03	VT VT	2/3 2/3 2/3 2/3 2/3
490	F-A		WMKS-1021A2 WMKS-1021A3	H-04 H-01	VT VT	$\frac{1}{2}/\frac{3}{3}$
491 492	F-B F-A		WMKS-1021A3	H-02	VT	2/3 2/3 2/3 2/3 2/3
493 494	F-C F-A		WMKS-1021A3 WMKS-1021A37	H-03 H-06	VT VT	2/3
495 496	F-A F-B		WMKS-1021A37 WMKS-1021A37	H-17 H-34	VT VT	2/3 2/3 2/3
497 498	F-B F-B		WMKS-1021A37 WMKS-1021A4-1	H-08 H-62	VT VT	2/3 2/3
499	F-A		WMKS-1021A4-2 WMKS-1021A4-2	H-30 H-31	VT VT	2/3 2/3 2/3
500 501	F-A F-A		WMKS-1021A4-2	H-35	VT	2/3 2/3
502 503	F-B F-B		WMKS-1021A4-2 WMKS-1021A4-2	H-55 H-57	VT VT	2/3
504	F-B		WMKS-1021A4-2	H-58	VT	2/3



	CATEGORY	ITEM NUMBER ISOMETRIC	ITEM INSPECTED		INTERVAL/PERIOD
	F-B	WMKS-1021A4-2	H-59	VT	2/3
	F-B	WMKS-1021A4-2	H-77	VT	2/3
507	F-C	WMKS-1021A4-2	H-96	VT	2/3
508	Ê−Ă	WMKS-1021A4-2	H-130	VT	2/3
509	F-B	WMKS-1022A10	H-08	VT	2/3 2/3 2/3 2/3 2/3 2/3 2/3
5 10	Ē−B	WMKS-1022A10	H-09	VT	2/3
511	F−B	WMKS-1022A10	H-10	VT	2/3 2/3
512	F-B	WMKS-1022A10	H-11	VT	2/3
513	F-C	WMKS-1022A10	H-12	VT	2/3
514	TS3.2	WMKS-1103A4	HSS-168	VT	$\bar{2}/\bar{3}$
515	TS3.2	WMKS-1103A4	HSS-169	Ϋ́T	$\bar{2}'/\bar{3}$
516	ŤS3.2	WMKS-1103A5	HSS-164	Ϋ́Τ	$\bar{2}/\bar{3}$
517	TS3.2	WMKS-1103A5	HSS-165	Ϋ́Τ	$\bar{2}/\bar{3}$
518	TS3.2	WMKS-1103A6	HSS-116	Ϋ́Τ	$\frac{2}{3}$
519	ŤŠŠ.Ž	WMKS-1103A6	HSS-117	Ϋ́Τ	$\overline{2}/\overline{3}$
518 519 520	F-C	WMKS-123N1	H-02Å	Ϋ́Τ	$\overline{2}'/\overline{3}$
521	F-Č	WMKS-0112AE2	H-18	Ϋ́T	$\bar{2}/\bar{3}$
522	F-Č	WMKS-0112AE2	H-19	VT	2/3 2/3 2/3 2/3 2/3 2/3 2/3 2/3 2/3 2/3
523	F-Č	WMKS-0112AH1	H-02	Ϋ́Τ	$\frac{1}{2}/\frac{3}{3}$
524	F-C	WMKS-0112AK1	H-11	VT	$\frac{2}{3}$
525	F-C	WMKS-0112L1	H-23	νŤ	2/3
526	F-C	WMKS-0112L1	H-30	VT	2/3
527		WMKS-011211 WMKS-0112A1	H-05	VT	2/3
	F-C			VT	2/3
528	F-C	WMKS-0118G1-4	H-21	V 1	4/0

`

ABSTRACT OF EXAMINATIONS: SYSTEM PRESSURE TEST PROGRAM

			DM TDC7 70ND
	TEST# 5PT#1	LEADING ZONE 11448-SPM-71A-1-1	FM TEST ZONE 11448-FM-71A-S-4
	SPT#2	11448-SPM-71A-2-1	11448-FM-71A-S-1&5
3	SPT#3	11448-SPM-71A-3-2	11448-FM-71A-S-3
4 5	SPT#4&6	11448-SPM-71B-1-1 11448-SPM-71B-2-1	11448-FM-71B-S-1,2,3,4,5&71D-S-1 11448-FM-71B-S-6
6	SPT#5 SPT#7	11448-SPM-72A-1-1	11448-FM-72A-S-1
7	SPT#8	11448-SPM-72A-1-2	11448-FM-72A-S-2
8	SPT#9	11448-SPM-72A-1-3	11448-FM-72A-S-4&5
9	SPT#10	11448-SPM-72A-1-4 11448-SPM-72B-2-1	11448-FM-72B-S-1,72C-S-1,72D-S-1 11448-FM-72B-S-2
10 11	SPT#11 SPT#12	11448-SPM-72B-2-2	11448-FM-72B-S-2
12	SPT#13	11448-SPM-72B-2-3	11448-FM-72B-S-2
13	SPT#14	11448-SPM-72C-4-1	11448-FM-72C-S-2
14	SPT#15	11448-SPM-72C-4-2 11448-SPM-72C-4-3	11448-FM-72C-S-3 11448-FM-72C-S-4
15 16	SPT#16 SPT#17	11448-SPM-72D-2-2	11448-FM-72D-S-2
17	SPT#18	11448-SPM-72A-5-2	11448-FM-72A-S-3
18	SPT#19	11448-SPM-71A-1-1	11448-FM-71A-S-4 11448-FM-89A-S-9
19 20	SPT#20 SPT#21	11448-SPM-89A-1-4 11448-SPM-89A-1-5	11448-FM-89A-S-10
21	SPT#22	11448-SPM-89A-1-6	11448-FM-89A-S-6
22	SPT#23	11448-SPM-89A-3-1	11448-FM-89B-S-10
23	SPT#24	11448-SPM-89B-1-2	11448-FM-89B-S-1
24 25	SPT#25 SPT#26	11448-SPM-89B-1-5 11448-SPM-89B-1-6	11448-FM-89B-S-6 11448-FM-89B-S-8
26	SPT#27	11448-SPM-89B-1-7	11448-FM-89B-S-9
27	SPT#28	11448-SPM-89B-2-2	11448-FM-89B-S-2
28	SPT#29	11448-SPM-89B-3-2	11448-FM-89B-S-3
29 30	SPT#30 SPT#31	11448-SPM-87A-2-1 11448-SPM-87A-2-2	11448-FM-87A-S-3 11448-FM-87A-S-4
31	SPT#32	11448-SPM-87A-1-3	11448-FM-87A-S-1
32	SPT#33	11448-SPM-87A-1-4	11448-FM-87A-S-2
33	SPT#34	11448-SPM-82B-2-5	11448-FM-82B-S-1
34	SPT#35	11448-SPM-88C-1-2 11448-SPM-88C-1-5	11448-FM-88C-S-6 11448-FM-88C-S-7
35 36	SPT#36 SPT#37	11448-SPM-88C-1-9	11448-FM-88C-S-8
	SPT#38	11448-SPM-88C-2-1	11448-FM-88B-S-5
	5PT#39	11448-SPM-88C-2-2	11448-FM-88C-S-5
	SPT#40	11448-SPM-88C-2-3 11448-SPM-88C-2-4	11448-FM-88C-S-1 11448-FM-88C-S-2
40 ⁻ 41	SPT#41 SPT#42	11448-SPM-88C-2-5	11448-FM-88C-S-3
42	SPT#43	11448-SPM-88C-2-6	11448-FM-88C-S-4
43	SPT#44	11448-SPM-88A-1-2	11448-FM-88A-S-4
44 45	SPT#45	11448-SPM-88A-1-4 11448-SPM-88A-1-3	11448-FM-88A-S-6 11448-FM-88A-S-5
45	SPT#46 SPT#47	11448-SPM-88A-1-5	11448-FM-88A-S-7
47	SPT#48	11448-SPM-88A-4-3	11448-FM-88B-S-1
48	SPT#49	11448-SPM-88B-1-4	11448-FM-88B-S-2
49 50	SPT#50 SPT#51	11448-SPM-88B-1-5 11448-SPM-88B-2-3	11448-FM-88B-S-7 11448-FM-88B-S-4
51	SPT#51	11448-SPM-88B-2-4	11448-FM-88B-S-7
52		11448-SPM-88B-2-5	11448-FM-88B-S-6
53	SPT#54	11448-SPM-47B-1-1	11448-FM-47B-S-1 11448-FM-71A-S-2
54 55	SPT#55 SPT#56	11448-SPM-47B-1-2 11448-SPM-75G-1-1	11448-FM-75G-S-1
56	SPT#57	11448-SPM-68A-1-5	11448-FM-68B-S-5
.57	SPT#58	11448-SPM-68A-3-2	11448-FM-68A-S-4
58	SPT#59	11448-SPM-68A-3-3 11448-SPM-68A-3-4	11448-FM-68A-S-7 11448-FM-68A-S-8
59 60	SPT#60 SPT#61	11448-SPM-68A-3-5	11448-FM-68A-S-9
61	SPT#62	11448-SPM-68A-3-6	11448-FM-68A-S-6
62	SPT#63	11448-SPM-84A-1-1	11448-FM-84A-S-1
63	SPT#64	11448-SPM-84A-2-2	11448-FM-84A-S-6&7 11448-FM-84A-S-5&8
64 65	SPT#65 SPT#66	11448-SPM-84A-2-3 11448-SPM-84A-3-3	11448-FM-84A-S-548
66	SPT#67	11448-SPM-84A-3-4	11448-FM-84A-S-3
67	SPT#68	11448-SPM-84A-3-5	11448-FM-84A-S-2
68	SPT#69	11448-SPM-85A-1-2 11448-SPM-86A-3-6	11448-FM-85A-S-2 11448-FM-86A-S-3
69 70	SPT#70 SPT#71	11448-SPM-86B-2-1	11448-FM-86B-S-3
71	SPT#72	11448-SPM-86B-1-1	11448-FM-86B-S-4
72	SPT#73	11448-SPM-64A-4-1	11448-FM-64A-S-4
73	SPT#74	11448-SPM-75C-1-2 11448-SPM-75C-1-1	11448-FM-75J-S-1 11448-FM-75J-S-2
	5 PT#75 5 PT#76	11448-SPM-124A-1-2	11448-FM-124A-S-1
	SPT#77	11448-SPM-124A-2-2	11448-FM-124A-S-2
77	SPT#78	11448-SPM-124A-3-2	11448-FM-124A-S-3

DESCRIPTION SW PUMP 1C CW INTAKE PIPING; CC HEAT EXCHANGER(SW SIDE) SW PIPING TO/FROM B & C RSHX SW TO LUBE OIL PUMP & INT.SEAL COOLERS CC/SW TO CHG. PUMP SEAL COOLERS CC PIPING TO/FROM "A" RHR HX CC PIPING TO/FROM "B" RHR HX CC PIPING TO 1-RC-P-1A, B, &C MISC. CLASS 3 CC PIPING CC PIPING TO/FROM 2A VSHX CC PIPING TO/FROM 2B VSHX CC PIPING TO/FROM 2C VSHX CC PIPING TO/FROM 1A&1B FCHX CC PIPING TO/FROM NONREGEN. HX CC TO/FROM SEAL WATER HX CC TO CC H X'S - IA, IB, IC, ID CC TO IC H X'S - IA, IB, IC, ID CC PIPING TO EXCESS LETDOWN HX SW PUMPS 1A, IB LHSI SUCTION FROM BWST LHSI SUCTION FROM SUMP RWST CROSSTIE NITROGEN SUPPLY TO SI ACC LOOP "A" SI ACC SI ACC TEST LINE SI ACC MAKEUP LINES SI ACC VENT LINE LOOP "B" SI ACC LOOP "C" SI ACC RHR PIPING TO/FROM RCS RHR TO RWST PIPING 1-RH-P-1A 1-RH-P-1B RHR SAMPLE LINE LOOP FILL HEADER REGEN. HX CHARGING SIDE LETDOWN HEADER CH. HEADER & SEAL IN. FILTER SEAL RETURN HEADER RCP SEAL INJ. LINES RCP "A" SEAL RETURN LINE RCP "B" SEAL RETURN LINE RCP "C" SEAL RETURN LINE BA TRANSF. PUMP 1-CH-P-2A BA TRANSF. PUMP 1-CH-P-2C BA TRANSF. PUMP 1-CH-P-2B BA TRANSF. PUMP 1-CH-P-2D NON. REG. HX 1-CH-E-2 CHGING VCT & LETDOWN HEADER BA LINES TO CHG PPS CHGING ALT. HEADER A" LHSI PUMP CROSSTIE TO CHG PUMPS CHGING PUMPS 1A,1B, & 1C FIRE PROT. PEN. PIPING SW PIPING TO/FROM 1-RS-E-1A, 1D COMP. AIR & PEN PIPING AUX. FDWTR X-CONN 1-CN-TK-1A & ASS. PIPING 1-FW-P-2 ASS. PIPING 1-FW-P-3A & ASS. PIPING 1-FW-P-3B & ASS. PIPING FIREWATER SUPPLY TO AUX. FW RWST 1-CS-P-A SUCT. & DIS. PIPING 1-CS-P-1B SUCT. & DIS. PIPING RWST/CAT X-TIE PIPING RWCAT UG PIPING RWCAT & ASS. PIPING LEAKAGE MONIT. IN. CON RX HEAD VENT SYSTEM PG HEADER TO CONT PRESS HEAD VENT SYSTEM MS LINES TO 1-FW-T-2 & MISC. ST TRAP UN. 2 IA TO UN. 1 CONT CONT. IA DISCHARGE LINE A" S/G BLOWDOWN B" S/G BLOWDOWN C" S/G BLOWDOWN

ABSTRACT OF EXAMINATIONS SNUBBER PROGRAM

An as-found visual inspection was performed on all snubbers. No inoperable snubbers were identified. Thirty snubbers were selected for functional testing. One mechanical snubber (1-WGCB-MSS-10) failed the functional test acceptance criteria. Since the failed snubber was from an independent test group and was not part of the 10% group selected for functional testing, no additional testing was required in the general population. The failed snubber was replaced with a new snubber.

Two additional snubbers were functionally tested due to visual discrepancies. Test results were satisfactory.

All snubbers were visually inspected and accepted prior to unit startup.

ABSTRACT OF EXAMINATIONS STEAM GENERATOR INSERVICE INSPECTION

Inservice inspection of the "A", "B" and "C" steam generators was performed.

For steam generator "A", no tubes were plugged as a result of the inservice inspection.

For steam generator "B", no tubes were plugged as a result of the inservice inspection. However, two tubes previously plugged were replugged (R11, C14 and R33, C43) in response to NRC Bulletin 89-01 concerns.

For steam generator "C", two tubes (R10, C53, and R25, C57) were removed to destructively examine anomalous eddy current indications. The results of the examination indicated no operationally induced degradation of the tube wall. These two tubes were subsequently plugged. Also, two tubes previously plugged were replugged (R2, C7 and R40, C70) in response to NRC Bulletin 89-01 concerns.

ENCLOSURE 1 SURRY POWER STATION UNIT 1 FALL 1990 ISI INSPECTIONS NIS - 2 FORMS



Information Transmittal Record -Maintenance Engineering – Nuclear Power Station

ADM 18

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Received By (Name)	Date: 11-20-90
	Time:
Title/Department REFUELING COORDINATOR WESTINGHOUSE	
Subject	
EVALUATION OF DAMAGED STUDS AND WOSHERS	ON UNIT I REACTOR VESSEL
Component Mark Number OI-RC-R-I	
Summary of Discussion	
1. MAINTENANCE ENGINEERING WAS REQUESTED TO	
THREADS ON TWO STUDS AND DAMAGED MATTIN	g surfaces on
ONE WASHER SET FOR THE ABOVE REPERENCE	O REACTOR VEJSEL.
THE STUDS AND WASHERS WERE INSPECTED IN A	
5.6.4.5 OF PROCEDURE MMP-C-RC-038 AND	
ON THE ATTACHED YT-I FERM.	
2. THE THREAD DAMAGE IDENTIFIED ON STUD #	22 INVOLVES THREE
THREADS LOCATED IN THE AREA OF THE STUD	
BY THE WASHER SET WHEN INSTALLED. THE	
THREAD HAS HAD APPROXIMITELY 1/32" OF THE	TUREND NEWER SCRAPEN
THREAD HAS HAD APPROXIMATELY 156 OF THE	HERE NEIGHT OCHTEL
AWAY FOR A DISTANCE OF 3/4" TO 1" AROUNT	
THE OTHER TWO THREADS ARE BARELY SCRAPED) LESS THAN 3/4" AROUND.
THE INNER DIAMETER OF THE WASHER SET IS	NOT THREADED. THEREFORE,
THERE IS NO ENGAGEMENT BETWEEN THE STUD	
•	
THE THREAD DAMAGE 13 INCONSEQUENTIAL,	
	_
3. THE THREAD DAMAGE IDENTIFIED ON STUD * 5	
THREAD ON THE PORTION OF THE STUD THI	at engages in the
Prepared By (Name)	Date
K VW/NX	11.20.90
Reviewed By (Name)	Date
Al Alcary	1/20-90
Copy To: Supervisor Maintenance Engineering	
on statts	
J.C. VANCE	
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	Page 1 of

IRGINIA POWER

Information Transmittal Record – Continuation Sheet – Maintenance Engineering – Nuclear Power Station

ADM 18

Summary of Discussion (Continued)

VESSEL FLANGE. APPROXIMATELY 3/4" OF THREAD (CIRCUMFERENTIAL) IS ROLLED DOWNWARD BUT APPEARS SMOOTH AND WORN. THE DAMAGED THREAD IS THE SECOND FROM THE TOP OF THE LOWER MOST THREADED PORTION OF THE STUD. ACCORDING TO THE ABOVE REFERENCED PROCEDURE, THE STUD IS BACKED OUT TWO FULL TURNS AFTER BOTTOMING THE. THEREFORE, THE DAMAGED THREAD WILL NOT BE ENGAGED WHEN INSTALLATION IS COMPLETE, IF AT ALL.

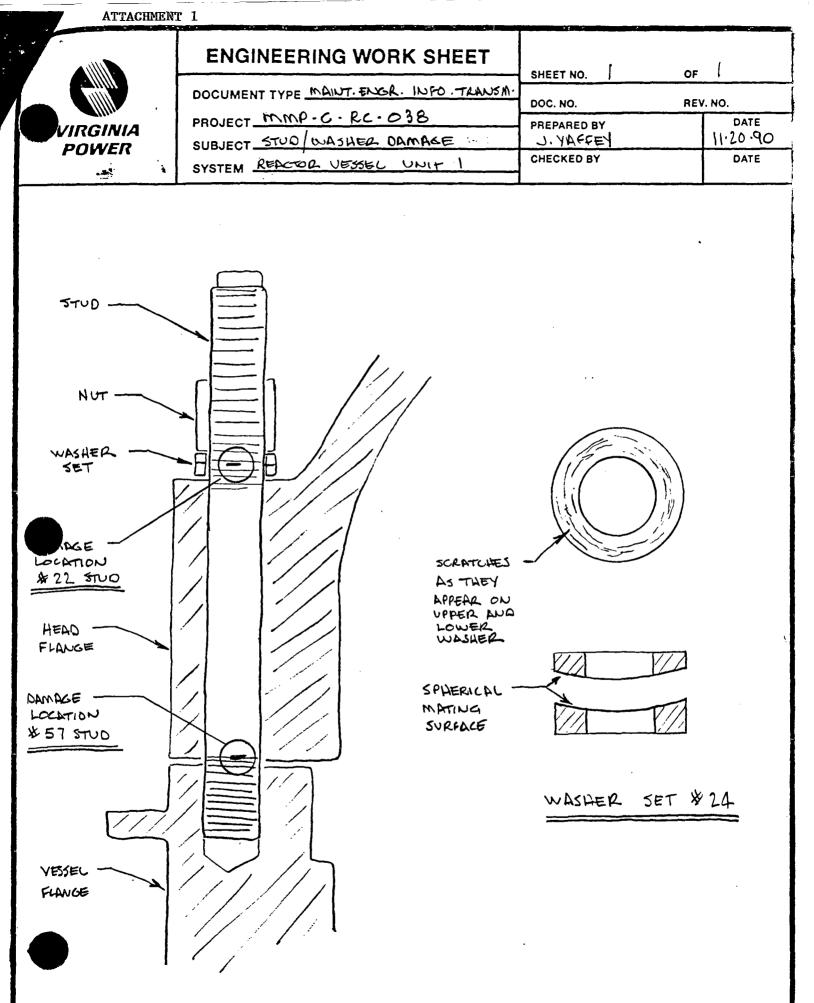
4. THE DAMAGE DEGURIBED "IDENTIFIED ON WASHER SET # 24 APPENRS TO BE THE RESULT OF DEBRIS INTRUSION THAT CRUSED DEEP SCRATCHES IN THE MATING SURFACES ON THE UPPER AND LOWER WASHER. THE SURFACES ARE SMOOTH AND WILL MOVE ABOUT FREELY AS REQUIRED TO MAINTAIN THE BOLTING FORCE PERPENDICULAR WHEN INSTALLED. THE MANUFACTURERS ENGINEERING STANDARD SPECIFIES A MINIMUM OF SEVENTY PERCENT CONTACT OF THE BEARING SURFACE. THE UNDAMAGED PORTION SE THE BOTH MATING SURFACES IS GREATER THAN NINETY-FIVE PERCENT, THEREFORE, THE WASHER SET IS ACCEPTABLE FOR RE-INSTALLATION.

5. BASED ON THE ABOVE INFORMATION, MAINTENANCE ENGINEERING RECONTINENDS THAT THE WASHED SET \$ 24 BE REPLACED AT THE NEXT REPUELING. THE TWO STUDS AND THE WASHED SET DO NOT REQUIRE IN ADDITIONAL CLEANING PRIOR TO THE CURPONT INSTALLATION.

6. THE ABOVE EVALUATION AND STATEMENT OF ALLEPTABILITY WAS CONCURRED WITH BY THE WESTINGHOUSE PRIMARY COMPONENT ENSINEER, STEVE ABBOTT, PER TELECON 11-20.90.

SEE ATTACHED SKETCH.

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VIRGINIA POWER

Information Transmittal Record – Maintenance Engineering – Nuclear Power Station

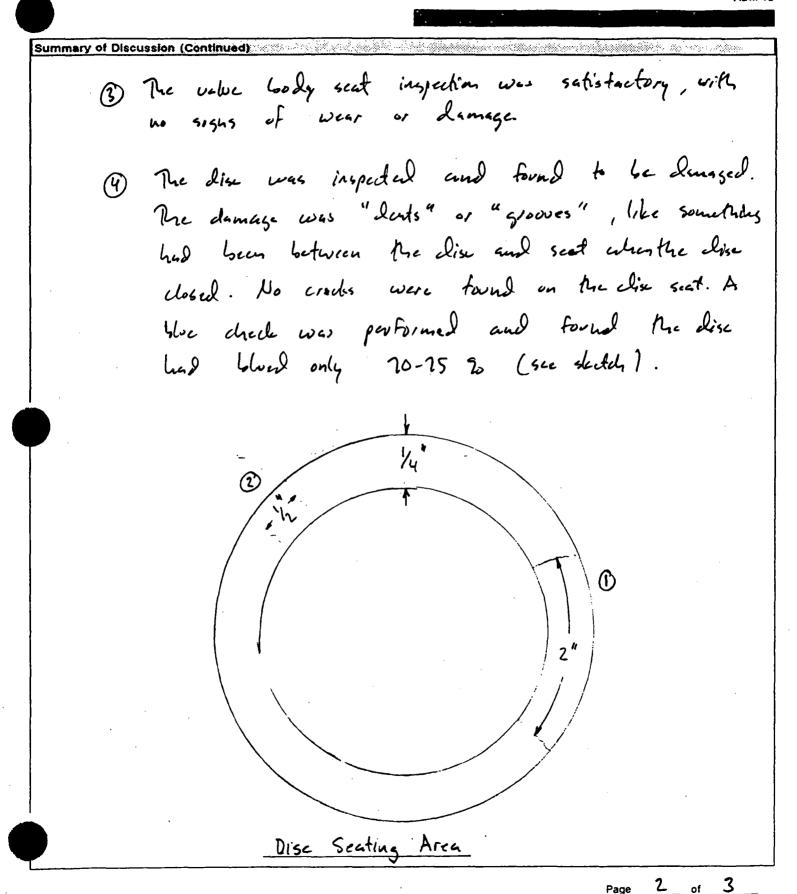
ADM 18

Form No. 726769(Feb 88)

VPA-1-6300 IT 69 Received By (Name) 11-26-90 Duve Snoldy / Nay Shift let Date: Time: Title/Department Phone Supv. - Mechanical Maintenance Subject Inspection of 52 Chale Value **Component Mark Number** 1-51-91 Summary of Discussion The above value was inspected on 11-24-90 for bolting concerns and due to suspected leakage seen when working 1-5I-239 (upstream check value). The value is a 6" Velan Swing Checke Value shown on Velan Dwg # 78704. Results of the inspection are as follows. 1) The down volve was opened and found the SI line full of water buck to 1-57-239 (apr. 8' of 6" pipe). Therefore 1-51-91 had leaded by with only cavity herd pressure. No wear was formed on either the value body (\mathfrak{d}) (interior) or the value internals. Date Prepared By (Name) Kuith. Ra. 11-26-90 Date Reviewed By (Name) 11-27-60 Copy To: Supervisor - Maintenance Engineering Additional Distribution Below Luther Farinholt aul Skopic Page 1 of 3

Information Transmittal Record – Continuation Sheet – Maintenance Engineering – Nuclear Power Station

ADM 18



Form No. 726953(Feb 88)

VIRGINIA POWER

Information Transmittal Record – Continuation Sheet – Maintenance Engineering – Nuclear Power Station

ADM 18

Summary of Discussion (Continued) Area 1 : Little or no blueing (spotty) Area 1 : This film of Glueing Next at disc sect had a "14" inch (wode) band of bluing. After discussion of the clamage with Stave Saver (Outage Coordinator) and telecan with Paul Skopic (System Engr.) it was decided to reassemble the value with no repair work. The disc reput would have taken 2-3 dans and would not have guaranteed 100 %. blueing. Since there are 2 check values claunstrum of 1-5I-91 and tray do not leak (1-5I-239 had 100 % blueing), 1-5I-91 was reassonbled.

It is recommended to reduce the disc at the next outage and to machine the Socky seet to ensure that it is flat or to replace the entitle value. Include a copy of this transmitted in the WO Vauluege for documentation.

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Real P	ATTACHMENT /3
VIRGINIA	POWER

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Information Transmittal Record – Maintenance Engineering – Nuclear Power Station

ADM 18

	VPA-1-6300 IT. 80
Received By (Name)	Date: 1/14/40
DAVE SNODAY	Time:
Title/Department	Phone
MAINT	
Subject	
CHECK VALVE INSPECT	DN
Component Mark Number	
$O_1 - S_1 - 24^3$	
Summary of Discussion	
IN 1914IATIENIASE ENGI	NEERING WAS ASKED TO INSPECT THE
SUBJECT CHECK VALVE.	DAMAGE WAS FOUND ON THE DISC AND
SEAT WHICH REQUIRES	E VIALUATION,
2. SUBJECT VALVE 15	A G SOOF VELAN SWING CHEEK
VALVE SHOWN ON DO	IG 78 707 INSPECTION WITS DONE
BY MECH. MAINT.	MAINT ENGINEERING, MND PAS NDE
WAS PERFORMED TN	SPECTION OF THE VALUE SEAT SHOWED IT
TO BE IN FAIR SHAR	E. A HAIRLINE RADIAL CRACK WITS FOUND
VILUATIN AND VERIEIE	D BY NDE, THE CRACK IS 3'4" LONG, AND
NEFS NOT APPEAR TO	BE DEEP. A SMALL NICK WAS FOUND AT
THE SIX CLOCK PA	SITION WHICH DOES NOT CROSS THE SEATH
SURFACE THE NICE	WAS FOUND TO HAVE A LARGE GASH ACUSS
THE SEALING SUDER	WHICH APPEARS TO EXTEND INTO THE
CTELL THE THE CTEL	THE APPEARS TO BE VERY TITIN, NO IN DICATE
	MINKIN PITTORY WITED INCOME THE SCALAS AND
ALONG WITH 4 FEW GOUS	MINUR PITTING NOTED INSIDE THE SEALING AREA
	D (BURTNILSSON, 514-745-7743), AND
THEY RECOMPLENDED	LEAVING THE SEAT AS IS BASED ON THE
SIZE AND POSITION O	OF THE DEFECT. TYPICAL STELLITE THICKNESS
15 15. II WAS NOT	RECONTINENDED TO LAP OR MALLINE
THE SEAT SINCE	THIS MIGHT CAUSE THE DEFECT TO GRO- RUBLEMS, THE DISC. SHOULD BE REPUCED,
AND PRESENT MOILE 13	CUBUEMS, THE DISC SHOULD BE REMOKED,
A REVIEW OF WPIS	HISTORY AND DISCUSSIONS WITH THE
\frown	(CONID)
Prepared By (Name)	Date
(avy / / / //	11/14-140
Reviewed By (Name)	Date
1 and lang	
Copy To: Supervisor - Maintenance Engineering	
Additional Distribution Below:	
CURT ROWLAND DAVE U	NHITLEY
-	
PICK Milliscole	
FILED MONE	Page 1 of
	form No 726769(Feb 8



Information Transmittal Record – Continuation Sheet – Maintenance Engineering – Nuclear Power Station

ADM 18

Immary of Discussion (Continued)

4 (CONTID)

SYSTEM ENGINEER INDICATE THAT THIS VALVE HAS NOT HAD A HISTORY OF PAST LEAKAGE. THE UNIT WAS NOT IDENTIFIED AS A LEAKER BY SYSTEM ENGINEERING,

5. BASED ON THE ABOVE, IT IS WELLESTED THAT THE VALLE BE REASSENBLED USING A NEW DISC. NOTE THAT MININ MAPING MAY BE REGULED FOR A GOOD BLUE CHECK. THE CONDITIONS NOTED ON THE BODY ARE AR ACCEPTABLE PROVIDED THE VALVE WILL BLUE CHECK SAT, AND PASS THE POST MILINT, TEST CRITERIA.

6. IT IS ALSO SUGGESTED THAT AT LEAST 2 NEW VALVES BE PROCULED FOR USE SHOULD SIMILAR PROBLEMS ARISE IN THE FUTURE.

Page 2_ of 2

Form No. 726953(Feb 88)

Attachment 4

	VIRGINIA POWER NORTH CAROLINA POWER		Memorandum		
	То	Mr. D. L. Rogers	Office/Location	ISI Engr./Surry	
	From	M. S. Whitt	Office/Location	Civil Des./Surry	
			Date	November 12, 1990	

REVIEW OF COMPONENT SUPPORT DISCREPANCIES

In accordance with your memoranda forwarding results of ASME Section XI, IWF Inspections (most recent memorandum dated November 6, 1990), Engineering has reviewed the eight identified discrepancies.

Drawings	Hangers
U1WMKS-1021A37	H-08
U1WMKS-0112A1	H-05
U1WMKS-0103A2-1	H-03
U1WMKS-0103A2-2	H-05
U1WMKS-0103A2-3	H-04
U1WMKS-0112G1	H-11A
U1WMKS-123H1	H-22
VPA-1-4301	H-01

Attachment 1 provides a summary of these reviews. Is is concluded that none of the eight reported discrepancies results in adversely impairing the operability of any of the affected supports.

If you have any questions or need additional information, please contact me at extension 84-780.

men s. whit

M. S. Whitt

CC:

A. R. Fletcher R. K. MacManus W. D. Grady DEO File

ATTACHMENT 1 REVIEW OF IDENTIFIED DISCREPANCIES

U1-WMKS-1021A37, H-08 (11448-PSSK-1021A37.8)

Grout and concrete were missing from under the baseplate; the area of missing grout/concrete is approximately $2" \times 8" \times 3"$ deep. This support was inspected by Engineering and the discrepancy was confirmed. However, the calculation for the support indicates loads of only 141 pounds vertical load. Under this low load, the baseplate is considered acceptable as is. However, a Field Change to EWR 89-660 will be issued to correct the discrepancy.

U1-WMKS-0112A1, H-05 (11448-PSSK-112A1.5)

The load scale for this spring was missing. This support was walked-down by Engineering. The spring load indicator indicated a load in approximately the middle of the load scale. Therefore, the spring is considered to be operable. Corrective action is to install the correct spring scale and if required, reset spring to 3470 pounds (cold set).

U1-WMKS-0103A2-1, H-03 (11448-PSSK-103A1.3)

The spring scale indicated a load of 38,600 pounds vs. the required cold set load of 35,810 pounds (hot set load is 35,140 pounds). This load is within 10%, but exceeds the maximum allowable difference of \pm 300 pounds. Engineering review of this condition has determined that the spring is operable, but should be reset to 35,810 pounds \pm 100 pounds (cold set).

U1-WMKS-0103A2-2, H-05 (11448-PSSK-103A1.5)

The spring scale indicated a load of 37,508 pounds vs. the required cold set load of 35,576 pounds (hot set load is 34,576 pounds). This load is within 10%, but exceeds the maximum allowable difference of \pm 300 pounds. Engineering review of this condition has determined that the spring is operable, but should be reset to 35,576 pounds \pm 100 pounds (cold set).

U1-WMKS-0103A2-3, H-04 (11448-PSSK-103A1.4)

The spring scale indicated a load of 37,308 pounds vs. the required cold set load of 34,620 pounds (hot set load is 33,953 pounds). This load is within 10%, but exceeds the maximum allowable difference of \pm 300 pounds. Engineering review of this condition has determined that the spring is operable, but should be reset to 34,620 pounds \pm 100 pounds (cold set).

sln-MSW-1112C

U1-WMKS-0112G1, H-11A (11448-PSSK-112G1.11)

The load scale for this spring was missing. This support was walked down by Engineering. The spring load indicator was observed to be within about 1/8" of that of the "B" spring of the pair. Therefore, the spring is considered to be operable. Corrective action is to install the correct spring scale and if required, to reset the spring to $2110\# \pm 100\#$ (cold set).

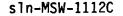
U1-WMKS-123H1, H-22 (11448-PSSK-123H1.22)

It was reported that the integral welded attachment size was incorrect per the PSSK drawing. Discussions with Mr. Dwight Woodyard determined that the thickness of the reinforcement pad was reported to be over 1-inch vs. the 1/2-inch thickness on the PSSK drawing. However, Engineering inspection and ISI verification determined that it was in fact 0.6-inches thick, which is within tolerance of the PSSK drawing. Therefore, the support is operable, and no corrective action is required.

"VPA-1-4301; H-01" (No PSSK Exists ON 11448-MKS-122A2)

"This support was rejected because the required setting of the spring can could not be verified. This information was not available because the hanger was supposedly removed some time ago (confirmed through conversation with Drawing Update) and explains why the hanger does not appear on Station MKS or WMKS drawings. The hanger does appear on a Westinghouse isometric drawing, VPA-4301, but this drawing is old and uncontrolled."

This spring support was reviewed by Engineering. The spring is not included in the pipe stress analysis (Stone & Webster Calculation 12846.22-NP(N)-537-X12, Rev. 2) or on the controlled station piping isometric drawing (11448-MKS-122A2, Rev. 2), but its existence does not adversely affect operability of the system. As corrective action, a Field Change to EWR 89-660 will be issued to completely remove the spring hanger.



Attachment 5



To Mr. D. L. Rogers

From M. S. Whitt

Memorandum

Office/Location	ISI Engr./Surry
Office/Location	Civil Des./Surry
Date	November 28, 1990

REVIEW OF COMPONENT SUPPORT DISCREPANCIES

In accordance with your memorandum dated 11/12/90 forwarding results of an ASME Section XI, IWF Inspection of support H-O1 of 11448-MKS-102D1 and a subsequent memorandum dated 11/26/90 forwarding results of an ASME Section XI, IWF Inspection of Support H-O2 of 11448-MKS-125A1, Engineering has reviewed the identified discrepancies. Attachments 1 and 2 provide a summary of this review. It is concluded that the identified discrepancies do not adversely impair the operability of the affected supports.

Our previous memorandum dated November 12, 1990 provided the results of reviews of discrepancies on the following supports:

Drawings

Hangers

U1WMKS-1021A37 U1WMKS-0112A1 U1WMKS-0103A2-1 U1WMKS-0103A2-2 U1WMKS-0103A2-3 U1WMKS-0112G1 U1WMKS-123H1 VPA-1-4301 H-08 H-05 H-03 H-05 H-04 H-11A H-22 H-01

None of the identified discrepancies adversely impairs the operability of any of the affected supports. Corrective actions as required for all supports will be specified in a Field Change to EWR 89-660, but these need not be performed until the next outage of sufficient length.

D. L. Rogers Page 2

If you have any questions or need additional information, please contact me at extension 84-780.

me S. White M. S. Whitt

CC:

A. R. Fletcher R. K. MacManus W. D. Grady DEO File



Attachment 5

ATTACHMENT 1

REVIEW OF IDENTIFIED SUPPORT DISCREPANCY

U1-MKS-0102D1, H-01 (11448-PSSK-102D1.1)

The load scale for this spring was missing. This support was walked-down by Engineering, and it is found that the load indicators of both the springs are at about one third of the scale from bottom and the load scales are missing from both the springs. The springs are Grinnell Fig. 98 Type A Size 17 and hot load setting is 10432 lbs and cold load setting is 11557 lbs. The working range of the spring is from 7000 lbs to 12000 lbs and the range of the load scale is from 6000 lbs to 13000 lbs. Considering the location of the load indicators at the one third point and the range of the load scale, it is concluded that the springs are within the working range and set at approximately the correct load. Therefore, the spring is considered to be operable in the as-found condition. Therefore, there is no effect on the continued operability of the system.

However, the missing load scales are to be replaced during the next outage, and this corrective action will be addressed in the Field Change to EWR 89-660 which will be issued to document corrective action for the identified ISI discrepancies.

REVIEW OF IDENTIFIED SUPPORT DISCREPANCY

U1-MKS-125A1, H-02 (11448-PSSK-124A1.2)

The inspection report indicated that the spring load scale was missing. This support was walked-down by Engineering and it was found that the support in question has two constant springs. A constant spring is designed to maintain a constant load throughout the range of the pipe movement. The load for constant springs is pre-set at the factory and there is no spring scale on the outside of the spring. The indicator on the spring indicates the position of the spring from low to high.

During the walkdown it was found that one of the two constant support components is at the end of the working range and the second constant support component is within the working range. The support component that is at the end of the range does not exhibit physical signs of excessive loading and is considered at normal load at the end of the range. A review of drawing 11448-FP-9E indicates that the piping movement at the support location is 2-3/8" in the positive vertical direction. This displacement will move the constant support further into the component working range during normal operation as required.

The springs are considered to be operable in the as-found condition. The Field Change to EWR 89-660 which will address corrective action for all ISI discrepancies will provide instructions to adjust the spring which is at the end of the range, to move the indicator further into the normal working range. However, this need not be done until the next outage of sufficient length.

sln-WMG-1128I

OWNER'S DATA REPORT FOR REPAIRS AND REPLACEMENTS for Surry Power Station Unit 1 P.O. Box 315

Surry, Virginia 23883

for

Virginia Electric and Power Company 5000 Dominion Blvd. Glen Allen, Virginia 23060

Commercial Service Date: December 22, 1972 Operating Capacity: 822 MWe (net) Refueling Outage : 2nd Interval, 2nd/3rd Period

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

1.	Owner Virginia Electric and Power Co.	Date 1-28-91
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant <u>Surry Power Station</u> Name P.O. Box 315, Surry, VA 23883	Unit_ONE
3.	Address Work Performed by <u>Virginia Power</u>	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System	·

- 5. (a) Applicable Construction Code <u>B31,1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1, N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufecturer	Manufacturer Serial No,	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	Vogt	8-214874	N/A	01-05-111	UNKNOWN	REPLACED	UNKNOWN
VALVE	VOGT	36-302358	N/A	01-05-111	1989	REPLACEMENT	UNKNOWN
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L	<u> </u>			L	L	<u> </u>	

- 7. Description of Work REPAIR / REPLACE VALVE
- 8. Tests Conducted: Hydrostatic Preumatic Nominal Operating Pressure Other Pressure //25 x 25 16... psi Test Temp. <u>Art Actor</u> F

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

(12/82)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the repair or replacement ME Code, Section X1. Dee Code Symbol Stamp	e rules of the
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the repair or replacement ME Code, Section XI. De Code Symbol StampN/A rtificate of Authorization NoN/A ned	e rules of the
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ME Code, Section XI. repair or replacement De Code Symbol Stamp <u>N/A</u> tificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> ned <u>N/A</u> CERTIFICATE OF INSERVICE INSPECTION	
tificate of Authorization No. N/A Expiration Date N/A ned <u>D. B. Rozur</u> <u>T. S. T. Enbineen</u> Date <u>Marcu 5</u> Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION	
tificate of Authorization No. N/A Expiration Date N/A ned <u>D. B. Rozur</u> <u>T. S. T. Enbineen</u> Date <u>Marcu 5</u> Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION	
tificate of Authorization No. N/A Expiration Date N/A ned <u>D. L. Roscus T. S. T. Exbinices</u> Date <u>March S</u> Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION	
CERTIFICATE OF INSERVICE INSPECTION	
CERTIFICATE OF INSERVICE INSPECTION	
	, 19 <i>_7/</i>
he undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector Province of VAand employed by <u>HSBI&I Co.</u> have inspected the compon <u>HartFord, CT</u> have inspected the compon	
Hartford, CT have inspected the compon	s and the State
	ents described
this Owner's Report during the period	and state that
the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures d	escribed in this
mer's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied,	concerning the
aminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector no all be liable in any manner for any personal injury or property damage or a loss of any kind arising from or conn	
pection.	
Whent I lover ward	
Inspector's Signature Commissions VA 543 National Board, State, Province, and En	
	dorsements
$\frac{3-5}{19.9/1}$	dorsements

1. (ectric and Power Co. Date <u>1-28-91</u>
	rd., Glen Allen, VA Sheet 1 of 2
2. F	Address 23060 Station Unit ONE
_	Name rry, VA 23883 WO # 3800080790
3. V	Address Repair Organization P.O. No., Job No., etc. <u>nia Power</u> Type Code Symbol Stamp <u>N/A</u>
-	Name Authorization No. N/A Try, VA 23883 Expiration Date N/A
л I	
- 4. I	Address Expiration Date N/A

- 5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No,	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	Rockwell - Edwards	Fig: 36174F316ET4	N/A	01-CH-92	UNKNOWA	REPLACED	UNIKNOWN
VALVE	ROCKWELL	61-95205	N/A	01-CH-92	1981	REPLACEMENT	WIKNOWN
PIPE	UNKNOWN	UNKNOWN	N/A	01-CH-92	UNIKNOWN	REPLACED	UNKNOWN
PIPE	Babcock WILCOX	25A-4786-N	N/A	01-CH-92	1986	REPLACEMENT	UNKNOUN
CONNECTOR	UNKNOWN	UNKNOWN	N/A	01-CH-92	UNKNOWN	REPLACED	UNKNOWN

7. Description of Work <u>REPLACE VALVE PER EWR 89-481</u>

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure // 1.5 X) Contractions of Pressure // 1.5 X) Contractions of Pressure Pressure

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

(12/82)

Remarks	VALVE PO# NA-46325-1
	Applicable Manufacturer's Data Reports to be attached
	PIPE PO# NS-30960-1
·	
	Ve certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement
ASME Cod	le, Section XI.
	Symbol StampN/A
Type Code	Symbol StampN/A
0	of Authorization No. N/A Expiration Date N/A
Certificate	
Signed	D. h. Logen IST Engineer, Date March 5, 19_91 Dwner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the unde	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province	e of <u>VA</u> and employed by <u>HSBI&I Co.</u> of
	HartFord, Cfhave inspected the components described
in this Ow	<u>HartFord</u> , CThave inspected the components described Iner's Report during the period12-22-89 to 2-22-92, and state that
to the best	t of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Re	eport in accordance with the requirements of the ASME Code, Section XI.
By sign	ing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinatio	ons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shali be lia	ble in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	
	(2)(1+p)(0)
	1 20 2020 J. Corden Commissions VA 543 Inspector's Signature National Board, State, Province, and Endorsements
	insportor a Signature National Doard, State, Froyince, and Endorsements
	DE QI
Date	3-5 19.91

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1.	Owner	Virginia Electric and Power Co Name	Date /- 28-9/
2.		Dominion Blvd., Glen Allen, VAAddress23060Surry Power Station	Sheet <u>2</u> of <u>2</u> Unit <u>ONE</u>
	<u>P.0.</u>	Name Box 315, Surry, VA 23883 Address	W0 # 3800080790 Repeir Organization P.O. No., Job No., etc.
3.	Work Perl	formed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	<u>P.O.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System CHEMICAL AND VOLUME CONTROL	

5. (a) Applicable Construction Code <u>B31,1</u> <u>19 67</u> Edition, <u>N/A</u> Addenda,<u>N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CONNECTOR, 2"	FRISCHKORN	331982	N/A	01-CH-92	1990	REPLACEMENT	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-CH-92	UNKNOWN	REPLACED	UNKNOWN
STUDS, 2-13	CARDINAL IND.	45116	N/A	01-CH-92	1990	REPLACEMENT	UNKNOWN
NUTS, 2-13	CARDINAL IND.	46576	N/A	01-CH-92	1990	REPLACEMENT	UNKNOWN
[<u> </u>		

7. Description of Work REPLACE VALVE PER EWR 89-481

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>/.25724.ck</u> psi Test Temp. <u>BMB16.057</u> ° F

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

1

9.	Remarks <u>CONNECTOR</u> PO # 55Y - 318 507 - 1
	Applicable Manufacturer's Data Reports to be attached
	<u>STUDS PO# CSY-294697-2</u>
•	NUTS PO# CSY-317574-2

ASME Code, Section XI. Type Code Symbol Stamp		CATE OF COMPLIANCE port are correct and this <u>REPLACEMENT</u> conforms to the rules of the
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>User 151 In Gun Sill</u> Date <u>Harcen 5</u> , 19 <u>9</u> CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>VA</u> and employed by <u>HSBI&I Co.</u> of <u>Har T Furd</u> , <u>CT</u> have inspected the components described in this Owner's Report during the period <u>12-22-39</u> to <u>2-22-91</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Wath L. Wath Commissions <u>VA 543</u>		
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>Winer or Owner's Designee, Title</u> <u>ST WGWSER Date Marcor 5</u> , 19.2 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 <u>VA</u> and employed by <u>HSBI&I Co.</u> of <u>HarTFurd</u> , <u>CT</u> have inspected the components described in this Owner's Report during the period <u>12-22-S9</u> to <u>2-22-91</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Watt P, Watt		
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>User 151</u> <u>Strate Strate 2000</u> , <u>19.92</u> CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>VA</u> and employed by <u>HSBI&I CO</u> . <u>of</u> <u>HarTFord</u> , <u>CT</u> have inspected the components described in this Owner's Report during the period <u>12-22-39</u> to <u>2-21-91</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>Matthe Mathematical Commissions</u> , <u>VA 543</u>	Type Code Symbol Stamp N/A	
Signed Where 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 VA		21 / 4
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 VA		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA	Signed Logen ISE	ENGINEEL Date MARCH 5
<u>Har TFurd</u> , <u>Ct</u> in this Owner's Report during the period <u>13-21-89</u> to <u>2-22-92</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>Robert F, Jocen</u> <u>Commissions</u> <u>VA 543</u>		
<u>HarTFurd</u> , <u>Ct</u> in this Owner's Report during the period <u>13-31-89</u> to <u>3-31-91</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>Robert Fund</u> , <u>Commissions</u> , <u>VA 543</u>	or Province of and employed	d by HSBI&I Coof
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.		
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By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	in this Owner's Report during the period	have inspected the components described
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	in this Owner's Report during the period	13-22-89 to 2-22-92 , and state that
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	in this Owner's Report during the period to the best of my knowledge and belief, the Owner ha	13-32-89 to 2-32-92, and state that as performed examinations and taken corrective measures described in this
inspection. Robert F. Doclar Commissions VA 543	in this Owner's Report during the period to the best of my knowledge and belief, the Owner ha Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor	13-32-39 to $3-32-92$, and state that as performed examinations and taken corrective measures described in this the ASME Code, Section XI. This employer makes any warranty, expressed or implied, concerning the
Robert P. Doclar Commissions VA 543	in this Owner's Report during the period to the best of my knowledge and belief, the Owner ha Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor examinations and corrective measures described in th	13-32-32 to $3-32-92$, and state that as performed examinations and taken corrective measures described in this the ASME Code, Section XI. this employer makes any warranty, expressed or implied, concerning the is Owner's Report. Furthermore, neither the Inspector nor his employer
Inspector's Signature Commissions VA 543	in this Owner's Report during the period to the best of my knowledge and belief, the Owner ha Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor examinations and corrective measures described in th shall be liable in any manner for any personal injury or	13-32-32 to $3-32-92$, and state that as performed examinations and taken corrective measures described in this the ASME Code, Section XI. this employer makes any warranty, expressed or implied, concerning the is Owner's Report. Furthermore, neither the Inspector nor his employer
	in this Owner's Report during the period to the best of my knowledge and belief, the Owner ha Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor examinations and corrective measures described in th shall be liable in any manner for any personal injury or	13-32-32 to $3-32-92$, and state that as performed examinations and taken corrective measures described in this the ASME Code, Section XI. This employer makes any warranty, expressed or implied, concerning the is Owner's Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with this
Date $3-5$ 199/	in this Owner's Report during the period to the best of my knowledge and belief, the Owner ha Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor examinations and corrective measures described in th shall be liable in any manner for any personal injury or inspection. Raber L, Boder Inspector's Signature	13-32-32 to $3-32-92$, and state that as performed examinations and taken corrective measures described in this the ASME Code, Section XI. This employer makes any warranty, expressed or implied, concerning the is Owner's Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with this

1.	Owner	Virginia Electric and Power Co.	Date 1-28-91
2	<u> </u>	Dominion Blvd., Glen Allen, VA Address 23060 Surry Power Station	Sheet of
2.		Box 315, Surry, VA 23883	WO #3\$00104988
3.	Work Per	formed by <u>Virginia Power</u>	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	<u>P.0.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System CHEMICAL AND VOLUME CON	TROL

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19.80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE, RELIEF	CROSBY	UNKNOWN	N/A	01-CH-RY-1209	NNKNOWN	REPLACED	UNKNOWN
VALVE, RELIEF	CROSBY	2-RV-52JWB	N/A	01-CH-RV-1209	1986	REPLACEMENT	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOUIN	N/A	01-CH-RV-1209	unknown	REPLACED	UNKNOWN
STUDS, 툴-11	CARDINAL IND.	46512	N/A	01-CH-RY-1209	1990	REPLACEMENT	UNKNOWN
NUTS, 훟-11	A È G ENGR.	04302	N/A	01-CH-RV-1209	1990	REPLACEMENT	WIKNOWN

7. Description of Work REPLACE VALVE (FREEZE SEAL)

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>NOP</u> psi Test Temp. <u>NOT</u> F

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

(12/82)

Remarks	IALVE PO# SY-15464-1
	Applicable Manufacturer's Data Reports to be attached 5TUDS PO# CSY - 316249 - 2
]	JUTS PO# CSY - 298419-2
	CERTIFICATE OF COMPLIANCE
We ASME Code	certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement
Type Code S	ymbol StampN/A
0	Authorization No. N/A Expiration Date N/A
Signed	Authorization No. N/A Expiration Date N/A ISI Every ECR J.h. Roscow FEB. 28 Date FeB. 28, 19.91 Iner or Owner designee, Title
· · · · ·	CERTIFICATE OF INSERVICE INSPECTION
I, the unders or Province of	igned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
	HartFord, Cfhave inspected the components describe er's Report during the period/1-22-89 to 2-22-92, and state the
	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
•	ort in accordance with the requirements of the ASME Code, Section XI.
examination	g this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t s and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ e in any manner for any personal injury or property damage or a loss of any kind arising from or connected with t
inspection.	Robert P. Coder Commissions VA 543
-	
	Inspector's Signature National Board, State, Province, and Endorsements

. . .

1.	Owner Virginia Electric and Power Co	Date 1-28-91
2	5000 Dominion Blvd., Glen Allen, VAAddress23060PlantSurry Power Station	Sheet
	Name P.O. Box 315, Surry, VA 23883 Address	WO # 3800095201 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>Virginia Power</u> Name P.O. Box 315, Surry, VA 23883 Address	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4.	Identification of System MAIN STEAM	

- 5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DISC	Shutte & Koerting	UNKNOWN	N/A	01-MS-RY-1018	UNKUOWN	REPLACED	unknown
DISC	AMETEK (Sik)	725006810020	N/A	01-MS-RV-101B	1987	REPLACEMENT	UNKALOWAL

- 7. Description of Work OVERHAUL VALVE
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure _____psi Test Temp. _____°F

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

	FORM NIS-2 (Back)
Remarks	_DISC Po # SSY- 123688-3
	Applicable Manufacturer's Data Reports to be attached
<u> </u>	
ASME (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 repair or replacement
Туре Со	de Symbol StampN/A
Certifica Signed_	te of Authorization No. <u>N/A</u> <u>Expiration Date</u> <u>N/A</u> <u>Owner or Owner's Designee, Title</u>
	CERTIFICATE OF INSERVICE INSPECTION
or Provi in this to the l	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State nce of VA
examin	igning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the tions and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this on.
Date	2-28 1991

,

1.	Owner Virginia Electric and Power Name	Co Date28-91
	5000 Dominion Blvd., Glen Allen,	
	Address 2	3060
2.	Plant Surry Power Station	UnitONE
	Name	· · · · · · · · · · · · · · · · · · ·
	P.O. Box 315, Surry, VA 23883	WO# 3800 103055
	Address	Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power	Type Code Symbol Stamp <u>N/A</u>
	Name	Authorization No. <u>N/A</u>
	P.O. Box 315, Surry, VA 23883	Expiration Date N/A
	Address	
4.	Identification of System <u>REACTOR</u> COOLANT	·
5.	(a) Applicable Construction Code B31.1 19	67 Edition N/A Addende N-1 N-7 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80W80

1	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS	(3244)	WESTINGHOUSE	UNKNOWN	N/A	01-RC-E-1A	UNKNOWN	REPLACED	unt lisurai
STUDS	(32 ta)	WESTINGHOUSE	UNKNOWN	N/A	01- RC-E-1A	UNKNOWN	REPLACEMENT	UNICIOWN
[
						C.		

7. Description of Work RMY INSTL MANWAY COVERS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Conter Pressure 235 psi Test Temp. 54? °F

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

(12/82)

emarks	STUDS PO# ET - 4/822 - 1 Applicable Manufacturer's Data Reports to be attached
v	Ve certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the
	le. Section XI.
Fype Code	Symbol StampN/A
Certificate	of Authorization No, <u>N/A</u> Expiration Date <u>N/A</u>
	() I Tot I Tot I Tot I
Signed	H) - L. Hogen ISE Calginet Date FEB. 28 19_91
	CERTIFICATE OF INSERVICE INSPECTION
I, the unde	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province	
	Hart Ford, ct have inspected the components described
in this Ow	mer's Report during the period
to the best	t of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Re	eport in accordance with the requirements of the ASME Code, Section XI.
By sign	ing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinatio	ons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	ble in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	
	Inheat I Cooler I HA EAZ
	Inspector's Signature Commissions VA 543 National Board, State, Province, and Endorsements
	A
Date.	2 - 28 = 10 91

Owner <u>Virginia Electric and Power Co.</u> Name	Date 1-28-91
5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
Plant Surry Power Station Name	Unit ONE
P.O. Box 315, Surry, VA 23883	WO # 3800 097547 Repeir Organization P.O. No., Job No., etc.
Work Performed by <u>Virginia Power</u>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
. Identification of System <u>REACTOR</u> COOLANT	

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

- 5. (a) Applicable Construction Code <u>B31.1</u> <u>19 67</u> Edition, <u>N/A</u> Addenda,<u>N-1.N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(344) STUDSH NUTS	WESTINGHOUSE.	UNKNOWN	N/A	01-RC-E-1C	UNKNOWN	REPLACED	unkligum
(3 ta) STUDS & NUT	WESTINGHOUSE	UNKNOWN	N/A	01- RC-E-1C			NWORKU
						· · ·	

7. Description of Work_ RMY / INSTL MANWAY COVERS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>2235</u> psi Test Temp. <u>547</u>°F

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

(12/82)

Applicable Manuf	facturer's Data Reports to be attached
	·······
· · · · · · · · · · · · · · · · · · ·	
	·
CERTIFICAT	E OF COMPLIANCE
We certify that the statements made in the report a ASME Code, Section XI.	are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement
Type Code Symbol StampN/A	
	N / 4
Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>
Signed (A). In forces Owner or Owner's Designee, Title	Date2.8,19_9/
CERTIFICATE C	DF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the or Province of <u>VA</u> and employed by_	National Board of Boiler and Pressure Vessel Inspectors and the State
Hartford, Ct	have inspected the components described
	1-22-89 to 1-22-92, and state that
to the best of my knowledge and belief, the Owner has per Owner's Report in accordance with the requirements of the <i>i</i>	rformed examinations and taken corrective measures described in this
-	employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Out	wner's Report. Furthermore, neither the Inspector nor his employer perty damage or a loss of any kind arising from or connected with this
inspection. Robert J. Coden	commissions VA 543
Inspector's Signature	National Board, State, Province, and Endorsements
And GI	

¥'

. Owner <u>Virginia Electric and Power Co.</u>	Date 1-28-91
5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
Plant Surry Power Station	Unit
P.O. Box 315, Surry, VA 23883	WO # 3800 097553 Repeir Organization P.O. No., Job No., etc.
. Work Performed by <u>Virginia Power</u>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
P.O. Box 315, Surry, VA 23883	Expiration Data <u>N/A</u>
. Identification of System <u>REACTOR</u> COOLANT	

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19.80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yoar Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
21 28 /91	STUD STUD BOLT (14) STUD BOLT (14)	WESTINGHOUSE	UNKNOWN UNKNOWN	N/A N/A	01-RC-E-18 01-RC-E-18			ULICALEURNS
						· · ·		

7. Description of Work RMY INSTL MANWAY COVERS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>223</u> psi Test Temp. <u>547</u> °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

Remarks STUDS PO# ET-41822-1	
Applicable Manufacturer's Data Reports to be attached	
· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conform	
ASME Code, Section XI.	s to the rules of the
Type Code Symbol StampN/A	<u> </u>
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	· · · · · · · · · · · · · · · · · · ·
Signed 4 hours of Devinen Tiele IST ENGINEER Date FEB. 28	, 19_2/
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inst	pectors and the State
or Province of VA and employed by HSBI&I Co.	of
<u>HartFord</u> , Cfhave inspected the c in this Owner's Report during the period/2:12-89to2.12-92_	omponents described
in this Owner's Report during the period/2-11-99to1-12-91	, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective mea	
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this cartificate neither the Inspector nor his employer makes any warranty, expressed or in	plied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspec	ctor nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from o	or connected with this
inspection.	
Rebert & C.D.	
Inspector's Signature Commissions VA 543 National Board, State, Province,	and Endorsements
1-28- 1991	
Date19_1	

Owner <u>Virginia Electric and Power Co.</u> Name	Date -28-9
5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
Plant Surry Power Station Name	Unit <u>ONE</u>
P.O. Box 315, Surry, VA 23883	WO # 3800104525 Repeir Organization P.O. No., Job No., etc.
Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u>
P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
Identification of System SERVICE_WATER	

6. Identification of Components Repaired or Replaced and Replacement Components

κ	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes	
; . ,	SEAL COOLER	GRAHAM	UNKNOWN	N/A	01-SW-E-1B	UNKNOWN	REPLACED	YES	
	SEAL COOLER	GRAHAM	72367-1	16891 	01-SW-E-IB	1989	REPLACEMENT	YES ONNER	DLR 2/25KI
•-•-	UNION, 2"	UNKNOWN	UNKNOWN	N/A	01-5W-E-18	UNKNOWN	REPLACED	UNKNOWN	
	UNION, 2"	FRISCHKORN	2.16323	N/A	01-SW-E-18	1988	REPLACEMENT	UNKNOWN	
	PIPE, 2"	UNKNOWN	UNKNOWN	N/A	01-SW-E-18	UNKNOWN	REPLACED	UNKNOWN	

7. Description of Work REPLACE SEAL COOLER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure / Statescopsi Test Temp. Amarkar F

* NATIONAL BOARD # 16891

o **II.** Andrew Reg

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

(12/82)

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.	Remarks <u>SEAL CoolER PO# SSY-247248-1</u> Applicable Manufacturer's Data Reports to be attached
_	UNION PO# CSY-193228-3
_	
_	·
_	·
	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 repair or replacement ASME Code, Section XI.
	Type Code Symbol Stamp <u>N/A</u>
· .	Certificate of Authorization No. N/A Expiration Date N/A
4. T	
	Signed A-h-Logen ISI Engineer Date Jeb. 22 19.91
	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>VA</u> and employed by <u>HSBI&I Co</u>
	HarTFord, Cthave inspected the components described
	in this Owner's Report during the period/1-12-89 to 1-12-92, and state that
1 1	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.
	$0 \wedge f P / 0 \wedge 0$
1	Laber d. Coder Commissions VA 543
	Inspector's Signature National Board, State, Province, and Endorsements
	2-25 10 91
	Date

1.	Owner	Virginia Electric and Power Co Name	Date 1 - 28 - 91
2		Dominion Blvd., Glen Allen, VA Address 23060 Surry Power Station	Sheet2
۷.		Neme Box 315, Surry, VA 23883	wo # 3800104525
3.	Work Perf	Address formed by <u>Virginia Power</u> Name	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
		Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System_SERVICE_WATER	

5. (a) Applicable Construction Code <u>B31.1</u> <u>19 67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE, 2"	FRISCHKORN	332636	N/A	01-5W-E-1B	1990	REPLACEMENT	UNKNOWN
ELBOW, 2"	UNKNOWN	UNKNOWN	N/A	01-5W-E-1B	ANKNOWN	REPLACED	nnknomn
ELBOW, 2"	FRISCHKORN	322465	N/A	01-SW-E-18	1990	REPLACEMENT	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-5W-E-1B	UNKNOWN	REPLACED	UNKNOWN
STUDS, 2-13	HARDWARE SPEC.	30545	N/A	01-5W-E-1B		REPLACEMENT	UNIKNOWN

7. Description of Work REPLACE SEAL COOLER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>1.5 K 2554</u> psi Test Temp. <u>AHBrent</u> °F

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

(12/82)

Remarks <u>PIPE</u>	PO # CSY- 317236-2
	Applicable Manufacturer's Data Reports to be attached
ELBOU	N PO#_CSY309541-5
(s PO#CSY-173679-4
STUD	5 POT_CUT_115617-7
<u> </u>	
	CERTIFICATE OF COMPLIANCE
	fy that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement
ASME Code, Section	on XI.
Evne Code Symbol	I StampN/A
The code symbol	
Certificate of Auth	orization No. N/A Expiration Date N/A
\bigcirc	
Signed	Joseph IST ENGrabert Date Feb. 22, 19.91
	r Owner Øbesignee, Title
	CERTIFICATE OF INSERVICE INSPECTION
r Province of <u>V</u>	holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Aand employed byHSBI&I_COor
	HarTFord, CThave inspected the components described eport during the period, and state that
	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in	according to with the maniferments of the ASME Code Section VI
By signing this	accordance with the requirements of the ASME Code, Section XI.
	accordance with the requirements of the ASME Code, Section A1. certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and	
	certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe
shall be liable in a	certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe ny manner for any personal injury or property damage or a loss of any kind arising from or connected with this \mathcal{O}_{A} , \mathcal{O}
shall be liable in a	certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe
shall be liable in a	certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe ny manner for any personal injury or property damage or a loss of any kind arising from or connected with this Dear F. Commissions VA 543
shall be liable in a	certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe ny manner for any personal injury or property damage or a loss of any kind arising from or connected with this Dear F. Commissions VA 543

1.	Owner	Virginia Electric and Power Co Name	Date
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet 3 of 3
2.	Plant	Surry Power Station	Unit <u>ONE</u>
	<u>P.0.</u>	Box 315, Surry, VA 23883 Address	<u>W0 # 3800104525</u> Repair Organization P.O. No., Job No., etc.
3.	Work Perf	formed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	<u>P.0.</u>	Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
4.	Identifica	tion of System <u>SERVICE</u> WATER	

5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>67</u> Edition, <u>N/A</u> <u>Addenda, N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
NUTS, 2-13	CARDINAL IND.	46788	N/A	01-5W-E-18	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE SEAL COOLER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 1.56 Asian psi Test Temp, Angular ° F

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

(12/82)

. ..

	NUTS PO # CSY - 322977 - 2 Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
ASME Co	We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement
Tupa Cod	e Symbol StampN/A
Type Cou	
Certificat	e of Authorization No, <u>N/A</u> Expiration Date <u>N/A</u>
Signed	With the ISI Eveniet Date 146.22 , 19 2/
	CERTIFICATE OF INSERVICE INSPECTION
	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State te of <u>VA</u> and employed by <u>HSBI&I_CO</u> of
	e of <u>VA</u> and employed by <u>HSBI&I CO</u> of <u>HartFord</u> , <u>CT</u> have inspected the components described
in this O	wner's Report during the period (1-22-29_to 2-21-92, and state that
	st of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	Report in accordance with the requirements of the ASME Code, Section XI.
	ning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	ons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer able in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspectio	
6	YAD ONT I CODA
	Takien a Coden Commissions VA 543
,	Inspector's Signature National Board, State, Province, and Endorsements
ſ	Inspector's Signature National Board, State, Province, and Endorsements

1.	Owner	Virginia Electric and Power Co Name	Date 1-28-91
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant	Surry Power Station Name	Unit ONE
	<u>P.0.</u>	Box 315, Surry, VA 23883	WO # 3800088876 Repair Organization P.O. No., Job No., etc.
3.	Work Perf	ormed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u>
	P.0.	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identificat	tion of System CHEMICAL AND VOLUME CON	VTROL

- 5. (a) Applicable Construction Code <u>B31,1</u> <u>19 67</u> Edition, <u>N/A</u> Addenda,<u>N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	VELAN	UNKNOWN	N/A	01-CH-276	UNKNOWN	REPLACED	UNKNOWN
5TUDS, 3-10	A & G ENGR	04706	N/A	01-сн-276	1990	REPLACEMENT	NKNOWN
NUTS, 3-10	CARDINAL IND.	43787	N/A	01-CH-276	1989	REPLACEMENT	INKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS

8.	Tests Conducted:	Hydrostatic 🗌	Pneumatic	Nor	minal Operation	ng Pressure	0
		Other 🗍 Press	ure No	_ psi	Test Temp.	NOT	°F

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

(12/82)

Remarks	STUDS PO# CSY-316281-3
	Applicable Manufacturer's Data Reports to be attached
	NUTS $PO # QSY - 258296 - 2$
	ster.
•	
	CERTIFICATE OF COMPLIANCE
	e certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the
ASME Code	e, Section XI.
	Symbol StampN/A
Type Code S	Symbol StampN/A
0	of Authorization No. N/A Expiration Date N/A
	f Authorization NoN/AExpiration DateN/A
Sinned (1	Deh-logen ISI Luginered Date FEB. 22 19.91
Signed	Wher or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the unders	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of	of VA and employed by HSBI&I Co of
	HarTFord, CT have inspected the components described her's Report during the period 12-22-89 to 2-22-92, and state that
in this Own	her's Report during the period/12-33-89_to_2-32-92, and state that
to the best of	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Rep	port in accordance with the requirements of the ASME Code, Section XI.
By signir	ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examination	as and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liab	le in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	
ρ	Dat & Palan
VU	Inspector's Signature Commissions VA 543
	Inspector a Signature Inspector a Signature Inspector a Signature
	2-25 1991
Date	

I

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date 1-28-91
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of/
2.	Plant Surry Power Station Name	Unit <u>ONE</u>
	P.O. Box 315, Surry, VA 23883 Address	W0 # 3800 095954 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>Virginia Power</u> Name	Type Code Symbol Stamp_ <u>N/A</u> Authorization NoN/A
	P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System <u>RECIRCULATION</u> SPRAY	

5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, N/A _____Addenda<u>, N – 1 , N – 7 _</u>____ ___Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Seriel No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS	UNKNOWN	UNKNOWN	N/A	01-RS-17	UNKNOWN	REPLACED	UNKNOWN
STUDS, 튤-11	CARDINAL IND.	46512	N/A	01-RS-17	1990	REPLACEMENT	UNKNOWN
				·			
					, .		

7. Description of Work REPLACE COVER STUDS

8. Tests Conducted: Hydrostatic Pneumatic Mominal Operating Pressure

Other Pressure_ 45 psi Test Temp. AMplent °F

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

(12/82)

9. Remarks STUDS PO # CSY - 316249-2

-

Applicable Manufacturer's Data Reports to be attached

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	CENTI	FICATE OF COMPLIANCE
Certificate of Authorization No. N/A Expiration Date N/A Signed D-LADGUL ISI Luguill Date IG. 22, 19.74 Owner or Overer'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 VA and employed by HSBI&I Co. of HarTFArd, CT have inspected the components described in this Owner's Report during the period 12-22-99 to 2-24-92, 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. Mart L. Code		
Signed	Type Code Symbol StampN/A	
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA		
or Province of <u>VA</u> and employed by <u>HSBI&I CO</u> of <u>HartFord</u> , <u>Ct</u> have inspected the components described in this Owner's Report during the period <u>12-12-99</u> to <u>2-21-92</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.		
<u>Hartford</u> , <u>Ct</u> in this Owner's Report during the period <u>12-22-99</u> to <u>2-22-92</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>Mubert f. Code</u> <u>Commissions</u> <u>VA 543</u>		
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 X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	Hartford, Ct	have inspected the components described
Owner's Report in accordance with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Multiple Content Content Commissions VA 543	n this Owner's Report during the period	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 this inspection.		
Inspection. Robert L. Corden Commissions VA 543		for his employer makes any warranty, expressed or implied, concerning the
Robert L. Coler Commissions VA 543	examinations and corrective measures described in	this Owner's Report. Furthermore, neither the Inspector nor his employer
Robert K. Colen Inspector's Signature Commissions VA 543 National Board, State, Province, and Endorsements	shall be liable in any manner for any personal injury	
Inspector's Signature National Board, State, Province, and Endorsements	shall be liable in any manner for any personal injury	
	shall be liable in any manner for any personal injury	or property damage or a loss of any kind arising from or connected with this
	shall be liable in any manner for any personal injury	or property damage or a loss of any kind arising from or connected with this

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date 1-28-91
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant Surry Power Station Name	Unit
	P.O. Box 315, Surry, VA 23883	
3.	Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.O. Box 315, Surry, VA 23883 Address	Expiration DateN/A
4.	Identification of System CHEMICAL AND VOLUM	ECONTROL

5. (a) Applicable Construction Code <u>B31,1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19.80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	VELAN 3"	1500# Blo-31148-13ms	N/A	01-41-267	UNKNOWN	REPLACED	UNKNOWN
STUDS, 국 - 10	CARDINAL IND.	46006	N/A	01- CH-267	1990	REPLACEMENT	UNKNOWN
NUTS, 3-10	KOREA BOLT IND.	9357	N/A	01-04-267	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>NON</u> psi Test Temp. <u>Nor</u> F

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

(12/82)

				FORM NIS-2 (Ba	ck)			
Remarks	STUDS	P0 #_	CSY-301517	7-1				
			Applicab	ble Manufacturer's Da				
	NUTS	P0 #	CSY-314216	-2			·	
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	· ,							
								·
		_						
			CERT	FIFICATE OF COMP	LIANCE			
	Ve certify ti le, Section 3		tements made in the	e report are correct a		CEMENT_confo replacement	rms to the rules of t	he
Type Code	Symbol Sta	amp	N/A					
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5711551 51			· · · · · · · ·				
Certificate	of Authoriz	zation No.	N/A		Expiration Date	<u>N/A</u>		
Signad	$(a) \mathcal{A}$	lan	11 TSE	ENGINEER	Date	FAR 23	10 9	
Signed	Owner or Ov	wner's Des	signee, Title	Q N G B IL	vate	169.66	, 19 <i>-4-4</i> -	
to the best Owner's R By sign examinatio	H mer's Repo t of my kno eport in acc ing this cer ons and cor ible in any Ref	art for rt during owledge an ordance w tificate ne rective me	rd, Ct the period nd belief, the Owne with the requirement either the Inspector easures described in or any personal injur f. Codo, ignature	oyed by <u>HSBI</u> (<u>1-11-89</u> er has performed exa ts of the ASME Code nor his employer m n this Owner's Repo y or property damag	to 2.1 minations and t , Section XI. akes any warran ort. Furthermor e or a loss of an VA 543	We inspected the $\underline{\mathbf{h}} - \underline{\mathbf{q}} \underline{\mathbf{h}}$ aken corrective month, expressed or e, neither the lns y kind arising from	components desci , and state neasures described in implied, concerning pector nor his emp	that this g the loyer this
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FORM	A NIS-2	OWNE	R'\$ R	EPORT	FOR	REPAIRS	ORI	REPLACI	EMENTS
	As Rec	suired b	v the	Provisio	ns of	the ASME	Code	Section	XI

	· .	
1.	Owner Virginia Electric and Power Co.	Date1-28-91
	5000 Dominion Blvd., Glen Allen, VA	Sheet/ of/
	Address 23060	
2.	Plant Surry Power Station	Unit
	Name	· · · ·
	P.O. Box 315, Surry, VA 23883	WO # 3800 088875
	Address	Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power	
	P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
	Address	
4.	Identification of System CHEMICAL AND VOLUME	CONTROL

- 5. (a) Applicable Construction Code <u>B31,1</u> 19<u>67</u> Edition, <u>N/A</u> Addenda,<u>N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer⊶ Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	VELAN	UNKNOWN	N/A	01-сн-258	UNKNOWN	REPLACED	UNKNOWN
STUDS, 3 -10	CARDINAL IND.	46006	N/A	01-CH-258	1990	REPLACEMENT	UNKNOWN
NUTS, = - 10	KOREA BOLT IND	9357	N/A	01-CH-258	1990	REPLACEMENT	UNKNOWN

- 7. Description of Work REPLACE HANGER BRACKET BOLTS
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp._____°F

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

(12/82)

	Applicable Manufacturer's Data Reports to be attached
	DTS PO # CSY-314216-2
	CERTIFICATE OF COMPLIANCE
	ertify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement
ASME Code,	iction XI.
Funa Cada P	
Type Code Sy	
Certificate of	wthorization No. N/A Expiration Date N/A
Signed	h. Logen ISE Engriel Date FEB. 22 1981
64	r or Owner's Ódsignee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	hed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
or Province o	VAand employed by <u>HSBI&I Co.</u> Hartford, Cthave inspected the components describe
a this Own	
	s Report during the period
	t in accordance with the requirements of the ASME Code, Section XI.
	this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th
	and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ
	in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th
nspection.	
	LAP QA
	Commissions VA 543
	Inspector's Signature National Board, State, Province, and Endorsements
	Inspector's Signature National Board, State, Province, and Endorsements

Surry		len Allen,	VA	Sheet	2	2							
	Power Stati	4	Name 5000 Dominion Blvd., Glen Allen, VA Address 23060					Sheet 2_of 2					
. Box 31	Name			Unit <u>ON</u>	E								
	L5, Surry, V. Address			WO =			1462	etc.					
	Virginia P				•		<u>/A</u>						
		Name				<u>N/A</u>							
<u>. Box 31</u>	<u>.5, Surry, V.</u> Address	<u>A 23883</u>		Expiration	Date	<u>N/A</u>							
cation of Sys		AND VOLUN	1E CONTRO	L									
cation of Co	mponents Repaired	or Replaced and R	leplacement. Con	nponents			,	•: T					
	Name of	Manufacturer Serial No	National Board			Year	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes tor No)					
								ļ					
	UNKNOWN	UNKNOWN	NA	01-01-1	RV-1203	UNKNOWN	REPLACED	UNKNON					
2 -	CROSRY	QUINS	NIA		21-12-02		RED ACENE						
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	lera (fileta fileta) Alta di secondo di second			2 1									
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<u> </u>	L		L	<u> </u>		L							
	cation of Sys blicable Cons blicable Editi	cation of System <u>CHEMICAL</u> Dicable Construction Code <u>B</u> Dicable Edition of Section XI Us cation of Components Repaired Name of Manufacturer	<u>Box 315, Surry, VA 23883</u> Address cation of System <u>CHEMICAL</u> <u>AND</u> <u>VOLUN</u> plicable Construction Code <u>B31,1</u> 19 plicable Edition of Section XI Utilized for Repairs cation of Components Repaired or Replaced and R cation of Components Repaired or Replaced and R Name of Manufacturer Manufacturer Serial No. <u>UNKUOWN</u> <u>UNKNOWN</u> <u>CROSBY</u> <u>84108</u>	. Box 315, Surry, VA 23883 Address cation of System <u>CHEMICAL AND VOLUME CONTRO</u> plicable Construction Code <u>B31,1</u> <u>19_67</u> Edition, plicable Edition of Section XI Utilized for Repairs of Replacements cation of Components Repaired or Replaced and Replacement Control Name of Manufacturer Name of Manufacturer VNKNOWN N/A UNKNOWN N/A CROSBY 84108	Authorization <u>Address</u> <u>Address</u> <u>Cation of System <u>CHEMICAL</u> <u>AND VOLUME CONTROL</u> <u>Disciple Construction Code B31.1 19 67</u> Edition, <u>N/A</u> <u>Disciple Edition of Section XI Utilized for Repairs or Replacements 19 80W8</u> <u>Cation of Components Repaired or Replaced and Replacement Components</u> <u>Cation of Components Repaired or Replaced and Replacement Components</u> <u>Name of Manufacturer Board Otilized National</u> <u>Disciple Edition Name of Manufacturer Board Otilized National</u> <u>UNKNOWN</u> <u>UNKNOWN</u> <u>N/A</u> <u>01-CH-1</u> <u>CROSBY</u> <u>84108</u> <u>N/A</u> <u>01-CH-1</u></u>	Authorization No	Authorization No. N/A . Box 315, Surry, VA 23883 Expiration Date Address Address cation of System CHEMICAL AND VOLUME CONTROL Dicable Construction Code B31.1 19 67 Edition, N/A Address Address Dicable Construction Code B31.1 19 67 Edition, N/A Address Address Dicable Construction Code B31.1 19 67 Edition of Section XI Utilized for Repairs or Replacements 19 80W80 cation of Components Repaired or Replaced and Replacement Components Name of Manufacturer No. Identification Built UNKNOWN UNKNOWN N/A OICH-RV-1203 UNKNOWN CROSBY 84108	Authorization No. N/A Box 315, Surry, VA 23883 Expiration Date Address Expiration Date Cetion of System CHEMICAL AND VOLUME CONTROL Dicable Construction Code B31.1 19 67 Edition, N/A Address Address Dicable Construction Code B31.1 19 67 Edition, N/A Address Address Dicable Construction Code B31.1 19 67 Edition, N/A Address Address Dicable Construction Code B31.1 19 67 Edition, N/A Address Address Calcable Construction Code B31.1 19 67 Edition of Section XI Utilized for Replaced and Replacements 19 80W80 Calcable Components Repaired or Replaced and Replacement Components Year No. Identification Built Or Replaced, o					

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tion 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.

(12/82)

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DISC PO# SY-15464-4 9. Remarks Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this *Reference Made* conforms to the rules of the repair or replacement ASME Code, Section XI. ‴N7# Type Code Symbol Stamp_ N/A _Expiration:Date___N/A Certificate of Authorization No. EnGratel Date Feb. 22 19.2 Signed ignee, 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 and employed by <u>HSBI&I</u> Co. or Province of <u>VA</u> _of HarTford have inspected the components described 2-11-91 12-22-89 in this Owner's Report during the period. .to , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations) and corrective measures described in this Owner's Report . Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>VA 543</u> Commissions. 's Signature National Board, State, Province, and Endorsements 1:20 19 9 Date

_		
1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date <u>1-28-91</u>
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of2
2.	Plant Surry Power Station Name	Unit ONE
	P.O. Box 315, Surry, VA 23883 Address	WO # 3800 101462 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u>
	P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System _ CHEMICAL_ AND VOLUME _ CONTROL	

5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-CH-RV-1203	UNKNOWN	REPLACED	UNKNOWN
NUTS, - 11	A È G ENGR	04237	N/A	01-CH-RV-1203	1990	REPLACEMENT	UNKNOWN
STUDS, 5-11	CARDINAL IND.	46512	N/A	01- CH-RY-1203	1990	REPLACEMENT	UNKNOWN
NOZZLE	UNKNOWN	UNKNOWN	N/A	01-CH-RV-1203	UNKNOWN	REPLACED	UNKNOWN
NOZZLE	CROSBY	84107 - 94	N/A	01-CH-RV-1203	1981	REPLACEMENT	UNKNOWN

7. Description of Work <u>REMOVE AND TEST RELIEF VALVE</u>

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. <u>Nor</u> F

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

(12/82)

9.	Remarks	STUDS	PO# CSY- 316249-2	
		•	Applicable Manufacturer's Data Reports to be attached	
		NUTS	PO# CSY-294709-1	
		NOZZLE	5 PO# SY- 82505-1	

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 StampN/A	
Certificate of Authorization No. N/A Expiration Date N/A Signed Owner or Owned'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>VA</u> and employed by <u>HSBI&I CO</u> , of <u>HarTFord</u> , <u>CT</u> , have inspected the components described in this Owner's Report during the period <u>/1-11-89</u> to <u>1-12-91</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	
Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
Date	

1.	Owner	Virginia Electric and Power Co Name	Date1-28-9/
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant	Surry Power Station	Unit
	<u>P.O.</u>	Box 315, Surry, VA 23883 Address	W0 # 3800095967 Repair Organization P.O. No., Job No., etc.
з.	Work Perf	formed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u>
	P.O.	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System CHEMICAL AND VOLVME CONTROL	

- 5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	VELAN	UNKNOWN	N/A	01- <u>CH</u> -291	UNKNOWN	REPLACED	UNKNOWN
NUTS, 3-10	CARDINAL IND.	44544	N/A	01-CH-291	1990	REPLACEMENT	UNKNOWN
STUDS, 3-10	CARDINAL IND.	46006	N/A	01-CH-291	1990	REPLACEMENT	UNKNOWN
		- 24					

- 7. Description of Work REPLACE COVER STUDS
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. <u>M07</u>°F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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.

(12/82)

Remarks 57	TUDS PO # $CSY - 301517 - 1$
	Applicable Manufacturer's Data Reports to be attached
NU	UTS PO # CSY-281852-4
	CERTIFICATE OF COMPLIANCE
We ce	pertify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the
ASME Code, Se	ection XI. repair or replacement
Type Code Sym	nbol StampN/A
Certificate of A	Authorization No. N/A Expiration Date N/A
\cap	
Signed	the back ISE Charles Date Fills 22 19.91
- Givne	er or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
L the undersion	ned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of	VA and employed by HSBIGI Co.
H	VA
in this Owner's	's Benort during the period $12-12-89$ to $1-22-92$ 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.
•	
	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
	in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	2000
V	VI CANEN VA FAZ
+	Inspector's Signature Commissions VA 543
	2-22 1991
Date	

1.	Owner	Virginia Electric and Power Co Name	Date
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of/
2.	Plant	Surry Power Station	Unit
	P.0.	Box 315, Surry, VA 23883 Address	<i>W0 # 3800 095965</i> Repair Organization P.O. No., Job No., etc.
3.	Work Perf	ormed by <u>Virginia Power</u> Name	Type Code Symbol Stamp_ <u>N/A</u>
	_ <u>P.O.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System CHEMICAL AND VOLUME CONTROL	

- 5. (a) Applicable Construction Code <u>B31.1</u> <u>19 67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	VELAN	UNKNOWN	N/A	01-CH-304	UNKNOWN	REPLACED	UNKNOWN
NUTS, = -10	CARDINAL IND.	44544	NA	01-CH-304	1990	REPLACEMENT	NNKNOWN
STUDS, 3-10	CARDINAL IND.	46006	N/A	01-CH-304	1990	REPLACEMENT	UNKNOWN
			<u> </u>				

- 7. Description of Work <u>REPLACE</u> COVER STUDS
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. ______° F

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

(12/82)

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. Remarks	STUDS	PO #	<u>CSY-301517-1</u>
	·		Applicable Manufacturer's Data Reports to be attached
	NUTS	PO #	<u>CSY - 281852 - 4</u>
<u> </u>			
			CERTIFICATE OF COMPLIANCE
	We certify t	that the st	tatements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the
ASME Co	de, Section	XI.	repair or replacement
Type Cod	e Symbol St	tamp	N/A
Certificat	e <u>of</u> Authori	ization No	D. N/A Expiration Date N/A
($\left(\right) $	1	N/A Expiration Date N/A
Signed	V Li.	Loze	Ne IST ENGINEER Date FEB. 22 19.51
	Owner or O	wner's De	esignee, Title
		•	
			CERTIFICATE OF INSERVICE INSPECTION
l, the und	lersigned, ho	olding a va	alid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Provin	ce of VA		and employed byHSBI&I_COof
	Har	TFord	have inspected the components described g the period <u>12-11-89</u> to <u>1-11-91</u> , and state that
in this O	wner's Repo	ort during	the period $1.2 - 1.2 - 59$ to $1 - 2.2 - 9.2$ and state that
			and belief, the Owner has performed examinations and taken corrective measures described in this
		-	with the requirements of the ASME Code, Section XI.
	•		
	-		neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
			neasures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
		manner f	for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection	^{1.}		
	(r. D.	.+	
	YAU	spector's	J. Condex Commissions VA 543 Signature National Board, State, Province, and Endorsements
		apactor 5 c	Signature National Board, State, Province, and Endorsements
		X N	
Date		7-7	<u></u>
		_	

1.	Owner	Virginia Electric and Power Co Name	Date 1-28-91
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheetof
2.	Plant	Surry Power Station	Unit
	P.0.	Box 315, Surry, VA 23883 Address	<u>W0 # 3800 088823</u> Repair Organization P.O. No., Job No., etc.
3.	Work Perf	formed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u>
	<u>P.O.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System SAFETY INJECTION	

- 5. (a) Applicable Construction Code <u>B31.1</u> 19<u>67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS É NUTS	VELAN 3"	FIG # BIO-3114B-13MS	N/A	01-51-225	UNKNOWN	REPLACED	UN KNO WN
STUDS, 쿡-10	CARDINAL IND.	46006	N/A	01-5I-225	1990	REPLACEMENT	UNKNOWN
NUTS, 3-10	KOREA BOLT IND.	9357	N/A	01-51-225	1990	REPLACEMENT	инклоши
						·	

7. Description of Work <u>REPLACE</u> HANGER BRACKET BOLTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>Make</u>psi Test Temp. <u>Nor</u> F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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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

Remarks	STUDS	PO # CSY-	301517-1	1				_
	-		Applicable N	Manufacturer's D	ata Reports	s to be attache		
	NUTS_	PO # CSY-	<u>· 314216 - 2</u>	2				
			<u> </u>					
				<u> </u>				
			CERTIFI	ICATE OF COM	LIANCE			
	le certify that e, Section X		nade in the rep	port are correct a		<u>EPLACEMEN1</u> air or replacen		s to the rules of the
	Symbol Star	mp N/A						
	oynibol otal	mp4775						
Certificate o	of Authoriza	ition No. N/A	<u>+ </u>		Expiration	Date N/A	٩	
Signed		hore Marinee, Tit	<u>ZSZ</u>	ENGINE	L_Date_	FEB. 2	2	, 19_ _9_/
			CERTIFICA	TE OF INSERV	ICE INSPE	CTION		, <u>,, ,, ,,</u> ,
								pectors and the State
or Province	of VA	Ford, CT	and employed	d by <u>. HSBI&</u>	<u>I Co.</u>	_		of
	Harl	Fordici		11.94 . 6	· ው	have inspe	cted the co	
		t during the perio						,
				-			rective meas	sures described in this
		rdance with the re		•			• ;	· · · ·
								plied, concerning the
				•		•	•	tor nor his employer or connected with this
inspection.		anner for any per-					ising nom o	r connected with this
	Robe	ent f. C	den	Commissions	VA 54	43		
¥	Insp	ector's Signature			Nationa	al Board, State	a, Province, a	and Endorsements
Date_	^)-2919	91					
			1 (

1.	Owner	Virginia Electric and Power Co	Date_1-28-91
	_5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of /
2.	Plant	Surry Power Station Name	Unit_ONE
	<u>P.O.</u>	Box 315, Surry, VA 23883	WO # 3800 088804 Repair Organization P.O. No., Job No., etc.
3.	Work Perf	formed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u>
	<u>P.O.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System <u>SAFETY</u> INJECTION	

- 5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	VELAN 3"	<i>FIG #</i> BIO-3114B-13MS	N/A	01-51-227	unknown	REPLACED	NNKNOWN
NUTS, 3-10	CARDINAL IND.	46735	N/A	01-5I-227	1990	REPLACEMENT	NNKNOWN
STUDS, 킄-10	CARDINAL IND.	46006	N/A	01-51-227	1990	REPLACEMENT	UNKNOWN
			_				

7. Description of Work REPLACE HANGER BRACKET BOLTS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Not rest Temp. Not °F

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

(12/82)

9.	Remarks	STUDS	PO # CS	<u>57 -</u>	30151	7-1
		•				

	Applicable Manufacturer's Data Reports to be attached
NUTS	PO # CSY-321495-2

	1
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms t	to the rules of the
ASME Code, Section XI. repair or replacement	
Type Code Symbol StampN/A	
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	
Signed Owner or Owner Designee. Title Date FEB_22	, 19 2/
Owner or Owner Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspe	ectors and the State
or Province of VAand employed by HSBI&I Co.	of
Hartford, Cthave inspected the con	nponents described
HarTFord, Cthave inspected the com in this Owner's Report during the period/1-11.89 to1-12-92	, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measure	res described in this
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 impl	ied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspecto	or nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or	connected with this
inspection.	
$() \land \land$	
Color d. Cocon Commissions VA 543	
Inspector's Signature National Board, State, Province, an	d Endorsements
Date197/	

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

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date 1-28-91
2	5000 Dominion Blvd., Glen Allen, VA Address 23060 Plant Surry Power Station	Sheet of
2.	Plant Surry Power Station Name P.O. Box 315, Surry, VA 23883 Address	0nit # 3800 102 399 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>Virginia Power</u> Name P.O. Box 315, Surry, VA 23883 Address	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4.	Identification of System SERVICE WATER	

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19.80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
VALVE	STOCKHAM	VGF12		01-SW-241	UN KNOWN	REPLACED	UNKNOWN	
VALVE	POWELL	442772	N/A	01-5w-241	1989	REPLACEMENT	NMORTIN	
* *								
		 						
	Name of Component VALVE VALVE	Name of Component Name of Manufacturer VALVE STOCKHAM VALVE POWELL	Name of ComponentName of ManufacturerManufacturerVALVESTOCKHAMVGF12VALVEPOWELL442772	Name of ComponentName of ManufacturerManufacturerNational Board Serial No.VALVESTOCKHAMVGF12N/AVALVEPOLVELL442772N/A	Name of ComponentName of ManufacturerManufacturerNational Board No.Other IdentificationVALVESTOCKHAMVGF12N/A01-SW-241VALVEPOWELL442772N/A01-SW-241	Name of ComponentName of ManufacturerManufacturer Serial No.National Board No.Other IdentificationYear BuiltVALVESTOCKHAMVGF12N/A01-SW-241UNKNOWNVALVEPOWELL442772N/A01-SW-2411989	Name of ComponentName of ManufacturerManufacturerNational Board No.Other IdentificationYear Year 	Name of ComponentName of ManufacturerManufacturer Serial No.National Board No.Other IdentificationYear BuiltRepaired, Replaced, or ReplacementASME Code Stamped (Yes or No)VALVESTOCKHAMVGF12N/A01-SW-24/I V/AUNKNOWNREPLACED UNKNOWNUNKNOWNVALVEPOWELL442772N/A01-SW-24/I1989REPLACED EPLACEMENTUNKNOWN

7. Description of Work <u>REPLACE VALVE</u>

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>NOF</u> psi Test Temp. <u>NOF</u> F

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

PO # CSY - 222468-2 VALVE 9. Remarks _ Applicable Manufacturer's Data Reports to be attached 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 repair or replacement ASME Code, Section XI, Type Code Symbol Stamp_ N7A _____Expiration Date <u>N/A</u> N/A Certificate of Authorization No. ____, 19 **2**/ Eugnetel Date 126.22 Signed 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 and employed by <u>HSBI&I_Co.</u> or Province of VA __of Hartford r Ct have inspected the components described 12-22-89 to 2-22-92 in this 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 this Owner's Report in accordance with the requirements of the ASME Code, Section XI. 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 meither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. VA 543 . Commissions ____ National Board, State, Province, and Endorsements nspector's Signature 1-22 19 91 Date

1.	Owner	Virginia Electric and Power Co. Name	Date 1-28-91
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant	Surry Power Station Name	Unit <u>ONE</u>
	P.0.	Box 315, Surry, VA 23883	WO # 3800 099427 Repair Organization P.O. No., Job No., etc.
3.	Work Perf	ormed by <u>Virginia Power</u> Name	Type Code Symbol Stamp_ <u>N/A</u>
	<u>P.O.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identificat	tion of System_SAFETY_INJECTION	

5. (a) Applicable Construction Code <u>B31,1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS	ALOYCO	UNKNOWN	N/A	01-51-56	UNKUOWN	REPLACED	UNKNOUL
STUDS, 1-8	CARDINAL IND.	46250	N/A	01-SI-56	1990	REPLACEMENT	UN KNOWN
STUDS, 1-8	CARDINAL IND.	46673_	N/A	01-5I-56	1990	REPLACEMENT	UNKNOWN
		·				····.	
				· -			

7. Description of Work OPEN / INSPECT CHECK VALVE

8.	Tests Conducted:	Hydrostatic 🔲	Pneumatic 🛄	Nomin	al Operatin	ig Pressure	ď
		Other 🕟 Pressu	ire Nas	psi Te	st Temp	NOT	°F

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

(12/82)

		FORM NIS-2 (Back) P0 #	
Remarks		CSY - 308557 - 1	
		Applicable Manufacturer's Data Reports to be attach	ed
	STUDS	PO # CSY-319706-1	
			- <u></u> ,
		·	
		CERTIFICATE OF COMPLIANCE	
	We certify th	hat the statements made in the report are correct and this <u>REPLACEME</u>	
ASME C	ode, Section >	KI. repair or replace	ment
		N /4	
Type Coo	le Symbol Sta	mpN/A	
		ation No. N/A Expiration Date $N/$	Δ
Certificat	e of Authoriz	ation NoExpiration Date	
Signed_	(k)	dozen ISE Engratel Date Fra	10 8/
Signed	Owner or Ov	vner Besignee, Title	
		CERTIFICATE OF INSERVICE INSPECTION	
	dersigned, hol	ding a valid commission issued by the National Board of Boiler and Pressu	re Vessel Inspectors and the State
I, the un			
•	ce of <u>VA</u>	and employed by HSBI&I Co.	
•		and employed by HSBI&I Co.	of ected the components described
or Provin	H	and employed by HSBI&I Co.	of ected the components described
or Provin 	wner's Repor	and employed by <u>HSBI&I Co.</u> have insp	of ected the components described 7 2, and state that
or Provin in this C to the be	wner's Reporterst of my know	and employed by <u>HSBI&I Co.</u> have inspired <u>Avent Ct</u> to during the period <u>12-31-99</u> to <u>2-11-0</u>	of ected the components described 7 2, and state that
or Provin in this C to the be Owner's	wher's Reported to the second	and employed by <u>HSBI&I Co.</u> have inspired to $12-32-99$ to $2-32-99$ by the period $12-32-99$ to $2-32-99$ by the descent of the descent states and the set of the descent states and the set of the descent states and the descent states are states and the descent states are	of ected the components described 7, and state that rrective measures described in this
or Provin in this C to the be Owner's By sig	wwner's Report est of my kno Report in acco gning this cert	and employed by <u>HSBI&I Co.</u> have inspired during the period $1\times-31-99$ to $1-11-90$ by the during the period $1\times-31-99$ to $1-11-90$ by the during the period during the period during the period during the du	of ected the components described 7 2, and state that rrective measures described in this pressed or implied, concerning the
or Provin in this C to the be Owner's By sig	Howner's Report est of my kno Report in accord gning this cert ions and cord	and employed by <u>HSBI&I Co.</u> have inspired to $12-32-99$ to $2-32-99$ by $2-32-99$	of ected the components described 7 <u>1</u> , and state that rrective measures described in this pressed or implied, concerning the er the Inspector nor his employer
or Provin in this C to the be Owner's By sig	Howner's Report est of my kno Report in accord gning this cert ions and cord iable in any r	and employed by <u>HSBI&I Co.</u> have inspired to $12-32-99$ to $2-32-99$ by $2-32-99$	of ected the components described 7 <u>1</u> , and state that rrective measures described in this pressed or implied, concerning the er the Inspector nor his employer
or Provin in this C to the be Owner's By sig examinat shall be	Howner's Report est of my kno Report in accord gning this cert ions and cord iable in any r	and employed by <u>HSBI&I Co.</u> have inspired to $12-32-99$ to $2-32-99$ by $2-32-99$	of ected the components described 7 <u>1</u> , and state that rrective measures described in this pressed or implied, concerning the er the Inspector nor his employer
or Provin in this C to the be Owner's By sig examinat shall be	Howner's Report est of my kno Report in accord gning this cert ions and cord iable in any r	and employed by <u>HSBI&I Co.</u> <u>have inspired</u> t during the period <u>$12-33-99$</u> to <u>$2-31-99$</u> weldge and belief, the Owner has performed examinations and taken co ordance with the requirements of the ASME Code, Section XI. tificate neither the Inspector nor his employer makes any warranty, exp rective measures described in this Owner's Report. Furthermore, neith manner for any personal injury or property damage or a loss of any kind a <u>A</u> <u>L</u> <u>Cocc</u> <u>Commissions</u> <u>VA 543</u>	of ected the components described 7 1 , and state that irrective measures described in this pressed or implied, concerning the er the Inspector nor his employer irising from or connected with this
or Provin in this C to the be Owner's By sig examinat shall be	Howner's Report est of my kno Report in accord gning this cert ions and cord iable in any r	and employed by <u>HSBI&I Co.</u> <u>have inspired</u> t during the period <u>$12-33-99$</u> to <u>$2-31-99$</u> weldge and belief, the Owner has performed examinations and taken co ordance with the requirements of the ASME Code, Section XI. tificate neither the Inspector nor his employer makes any warranty, exp rective measures described in this Owner's Report. Furthermore, neith manner for any personal injury or property damage or a loss of any kind a <u>A</u> <u>L</u> <u>Cocc</u> <u>Commissions</u> <u>VA 543</u>	of ected the components described 7 <u>1</u> , and state that rrective measures described in this pressed or implied, concerning the er the Inspector nor his employer
or Provin in this C to the be Owner's By sig examinat shall be	Howner's Report est of my kno Report in accord gning this cert ions and cord iable in any r	and employed by <u>HSBI&I Co.</u> <u>have inspired</u> t during the period <u>$12-33-99$</u> to <u>$2-31-99$</u> weldge and belief, the Owner has performed examinations and taken co ordance with the requirements of the ASME Code, Section XI. tificate neither the Inspector nor his employer makes any warranty, exp rective measures described in this Owner's Report. Furthermore, neith manner for any personal injury or property damage or a loss of any kind a <u>A</u> <u>L</u> <u>Cocc</u> <u>Commissions</u> <u>VA 543</u>	of ected the components described 7 1 , and state that irrective measures described in this pressed or implied, concerning the er the Inspector nor his employer irising from or connected with this

1. Owner <u>Virginia Electric and Power Co.</u> Name	Date 1-28-91
5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2. Plant Surry Power Station Name	Unit ONE
P.O. Box 315, Surry, VA 23883	WO # 3800 081508 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power	Type Code Symbol Stamp <u>N/A</u>
P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
4. Identification of System <u>COMPONENT</u> COOLING	

- 5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1. N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	• Other • ; Identification	- Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
YALVE	UNKNOWN	UNKNOWN	N/A	01-02-695	UNKNOW	REPLACED	UNKNOWN
VALVE	VOGT MACHINE O	216100	N/A	01-02-695	1990	REPLACEMENT	UNKNOWN
PIPE	UNKNOWN	UNKNOWN	N/A	01-00-695	UNKNOWN	REPLACED	UNKNOWN
PIPE	FRISCHKORN	322465	N/A	01-02-695	1990	REPLACEMENT	UNKNOUN

- 7. Description of Work <u>REPLACE VALVE</u>
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure /.5X)ESIGN psi Test Temp. <u>MAR & Al-E-NT</u>° F

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

(12/82)

. R	emarks VALVE PO # SSY - 290844 - 1
	Applicable Manufacturer's Data Reports to be attached
-	PIPE PO # CSY - 30954/ - 4
-	
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the
A	SME Code, Section XI. repair or replacement
т	ype Code Symbol StampN/A
С	ertificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
	igned 4)-h. Lorgen ISI Eng. Ness Date Fer. 22 19.91
S	igned 1. L. Correct 2 CHGINER Date 22 , 19.2/
_	
_	CERTIFICATE OF INSERVICE INSPECTION
	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State r Province of <u>VA</u> and employed by <u>HSBI&I Co.</u> of
0	r Province of VA and employed by <u>INSDIGI CO.</u> of HartFord, Ct have inspected the components described
-	this Owner's Report during the period
	the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	wher's Report in accordance with the requirements of the ASME Code, Section XI.
C	
_	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
	san be hable in any manner for any personal injury of property damage of a loss of any king ansing from of connected with this issuention,
r I	
	Laber I. Coder commissions VA 543
-	Inspector's Signature National Board, State, Province, and Endorsements
٢	2 - 32 - 1991
-	

1.	Owner	Virginia Electric and Power Co Name	Date/-28-9/
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet
2.	Plant	Surry Power Station Name	Unit
	P.0.	Box 315, Surry, VA 23883 Address	<u>W0 # 3800 088824</u> Repair Organization P.O. No., Job No., etc.
3.	Work Perf	formed byVirginia Power Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	<u>P.O.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System SAFETY INJECTION	

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	VELAN 3"	FIG# BIO-3114B-13MS	N/A	01-51-226	UNKNOWN	REPLACED	UNKNOWN
NUTS, 3 - 10	CARDINAL IND.	46735	N/A	01-51-226	1990	REPLACEMENT	UNKNOWN
STUDS, 3-10	CARDINAL IND.	46006	N/A	01-51-226	1990	REPLACEMENT	VNKNOWN

7. Description of Work <u>REPLACE HANGER BRACKET BOLTS</u>

~	Tests Conducted:	11	ь Г <u>э</u>	•		
ŏ.	l'ests Conducted:	Hydrostatic	Pheumatic [_]	NOI	minal Operating	Pressure
		Other 📃 Pressu	re 2002	psi	Test Temp.	NOT °F

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

(12/82)

Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State reprovince of VA	Remarks _	STUDS	PO # CSY	301517 - 1			
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 repair or replacement SME Code, Section XI. repair or replacement yee Code Symbol StampN/A Provide a symbol StampN/A Symbol StampN/A greed Owner or Owners to Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of VA		NUTS					
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement SME Code, Section X1.							
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement SME Code, Section X1.							
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We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement SME Code, Section X1.							
SME Code, Section XI. repair or replacement ype Code Symbol Stamp				CERTIFICATE OF C	OMPLIANCE	: :	
ype Code Symbol Stamp				ade in the report are corre			nforms to the rules of the
ertificate of Authorization No. N/A Expiration Date N/A gned O-Licorential ST Liquide Date 18.22 19.94 CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of VA	ASME CO	de, Section A	r.				
ertificate of Authorization No. N/A Expiration Date N/A gned O-Licorential ST Liquide Date 18.22 19.94 CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of VA							
gned <u>General FST English</u> Date <u>KB. 22</u> , 19 9 <u>CERTIFICATE OF INSERVICE INSPECTION</u> the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of <u>VA</u> and employed by <u>HSBI&I Co.</u> of <u>HavTFord</u> , <u>Ct</u> have inspected the components described this Owner's Report during the period <u>12-41-89</u> to <u>1-4992</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the kaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>MAAAA.Co.</u> <u>Commissions_VA 543</u>	Type Code	e Symbol Sta	mpN/A				<u> </u>
CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State r Province of VA	Certificate	of Authoriz	ation No. <u>N/A</u>	·	Expiratio	on Date <u>N/A</u>	
CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State r Province of VA	C	201	2 _ /	TT-1	· • A.	1	
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of VA	Signed_	Owner or Ow	re's Designee, Title	LJZ ENGINE	Date	<u> 123.22</u>	, 19
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of VA							
r Province of <u>VA</u> and employed by <u>HSBI&I Co</u> of <u>HarTFord</u> , <u>Ct</u> have inspected the components described this Owner's Report during the period <u>12-01-89</u> to <u>2-0092</u> , and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the caminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this ispection.							
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by the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the saminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nakes any warranty, expressed or implied, concerning the saminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nakes any warranty, expressed or implied, concerning the saminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nakes any warranty, expressed or implied, concerning the saminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nakes any warranty. Expressed or a loss of any kind arising from or connected with this ispection.		Hart	Ford, Ct			have inspected	the components described
wner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the kaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	in this Ov	vner's Repor	t during the period	12-22	<u>1-89_to_</u>	2-2292	, and state that
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the kaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this ispection.		•					e measures described in this
kaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this ispection.		• •					
hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this ispection. (Rabart J. Color Commissions VA 543		-			-		
Babart J. Colon Commissions VA 543					-	•	• • • •
Robert J. Coden Commissions VA 543	inspection	•				,	
Ubland C. Cocon Commissions VA 543		$\bigcap \rho$	AP D				
		14060	pector's Signature	Commissi	ons <u>VA</u>	543	vince and Endorsements
		1135	Sector's Signature		ivatio	mai board, State, Pro	and Endorsements
2 - 2 2 19 9/	Date	0	-22 19	91	•		

_	As Required by the Provisions of	the ASME Code Section XI
1.	Owner <u>Virginia Electric and Power Co.</u> Name 5000 Dominion Blvd., Glen Allen, VA	
2.	Address 23060 Plant Surry Power Station Name	UnitONE
	P.O. Box 315, Surry, VA 23883 Address	<u> W0 # 3800 103683</u> Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>Virginia Power</u> Name P.O. Box 315, Surry, VA 23883	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
	Address Identification of System CHEMICAL AND VOLUME CO	
	(a) Applicable Construction Code <u>B31,1</u> <u>19.67</u> Ed	
5.	(b) Applicable Edition of Section XI Utilized for Repairs or Replac	

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

... 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
IALVE	UNKNOWN	UNKNOWN	N/A_	01-CH-RV-1209	UNKNOWN	REPLACED	UNKNOWN
VALVE	CROSBY	N69963-01- 0006	N/A	01-CH-RV-1209	1989	REPLACEMENT	UNKNOWN
				· · · · · · · · · · · · · · · · · · ·	-	:	

7. Description of Work TEST RELIEF VALVE (INSTALLED NEW VALVE)

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure NOP _psi Test Temp. __<u>Nof</u>__°F ٠.

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

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		able Manufacturer's L	ata Reports to be attached	1
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	CE	RTIFICATE OF CON	PLIANCE	
We certify tha ASME Code, Section XI		the report are correct	and this <u>REPLACEMENT</u> repair or replacem	conforms to the rules of the ent
Type Code Symbol Star	npN/A	· · ·		
	N / A		N / A	
Certificate of Authorizat	tion No. <u>N/A</u>		Expiration Date <u>N/A</u>	
Signed A. L.	sae		Date Feb. 1	<u>9</u>
Owner or Own	fer's Designee, Title		- -	
<u> </u>				· · · · · · · · · · · · · · · · · · ·
			· · · · · · · · · · · · · · · · · · ·	e Vessel Inspectors and the State
l, the undersigned, holdi		ployed by HSBI	I Co	of
or Province of VA	and em			أمحاله ملام المتحد متحد مامينه المتح
or Province of VA	Ford Streed	:T	have inspec	ted the components described
or Province of <u>VA</u> <u>HavT</u> in this Owner's Report	during the period	12-22-	89 to 1-1-2-9	and state that
or Province of VA HavT in this Owner's Report to the best of my know	during the period	<u>۲ / ۲۰۲۲-</u> vner has performed ex	89 to 1.1.1-9 aminations and taken corr	Λ ,
or Province of VA Hart in this Owner's Report to the best of my know Owner's Report in accor	during the period during the period vledge and belief, the Ow rdance with the requirement	<u>المالية المالة الم</u>	89_{to} 1- 1- 1- - 9 aminations and taken correct e, Section XI.	1 , and state that ective measures described in this
or Province of <u>VA</u> <u>Hart</u> in this Owner's Report to the best of my know Owner's Report in accor By signing this certif	during the period during the period vledge and belief, the Ow rdance with the requirement ficate neither, the inspect	<u>الع-عع-</u> vner has performed ex ents of the ASME Cod tor⊧nor his employer:	89 to 1-44-9 aminations and taken corr e, Section XI. makes any warranty, expr	1 , and state that ective measures described in this essed or implied, concerning the
or Province of <u>Har</u> <u>Har</u> in this Owner's Report to the best of my know Owner's Report in accor By signing this certific examinations and corre	during the period during the period vledge and belief, the Ow rdance with the requirement ficate neither, the Inspect ictive measures described	T / ۱۵۰۵۵ wher has performed ex ents of the ASME Cod tor nor his employer ا in this Owner's Rep	89 to <u>1.1.2.9</u> aminations and taken corr e, Section XI. makes any warranty, expr fort. Furthermore, neither	1 , and state that ective measures described in this
or Province of <u>Har</u> <u>Har</u> in this Owner's Report to the best of my know Owner's Report in accor By signing this certific examinations and corre	during the period during the period vledge and belief, the Ow rdance with the requirement ficate neither, the Inspect ictive measures described	T / ۱۵۰۵۵ wher has performed ex ents of the ASME Cod tor nor his employer ا in this Owner's Rep	89 to <u>1.1.2.9</u> aminations and taken corr e, Section XI. makes any warranty, expr fort. Furthermore, neither	and state that ective measures described in this essed or implied, concerning the the Inspector nor his employer
or Province of VA HavT in this Owner's Report to the best of my know Owner's Report in accor By signing this certif examinations and corre- shall be liable in any ma	during the period during the period vledge and belief, the Ow rdance with the requirement ficate neither, the Inspect ictive measures described	I 1 - 21- vner has performed ex ents of the ASME Cod tor nor his employer: I in this Owner's Rep jury or property dama	89 to <u>1.4.4.7.9</u> aminations and taken corr e, Section XI. makes any warranty expr fort. Furthermore, neither ge or a loss of any kind ari	and state that ective measures described in this essed or implied, concerning the the Inspector nor his employer
or Province of VA HavT in this Owner's Report to the best of my know Owner's Report in accor By signing this certif examinations and corre- shall be liable in any ma	Ford Street during the period vledge and belief, the Ow rdance with the requirement ficate neither, the Inspect ictive measures described anner for any personal inj and J. Cool	T / ۱۵۰۵۵ wher has performed ex ents of the ASME Cod tor nor his employer ا in this Owner's Rep	89 to 1 - A - A -9 aminations and taken corr e, Section XI. makes any warranty expr fort. Furthermore, neither ge or a loss of any kind ari s. VA 543	and state that ective measures described in this essed or implied, concerning the the Inspector nor his employer
or Province of <u>VA</u> <u>HavT</u> in this Owner's Report to the best of my know Owner's Report in accor By signing this certif examinations and corre- shall be liable in any ma- inspection.	Ford Street during the period vledge and belief, the Ow rdance with the requirement ficate neither, the Inspect ictive measures described anner for any personal inj and J. Cool	I 1 - 21- vner has performed ex ents of the ASME Cod tor nor his employer: I in this Owner's Rep jury or property dama	89 to 1 - A - A -9 aminations and taken corr e, Section XI. makes any warranty expr fort. Furthermore, neither ge or a loss of any kind ari s. VA 543	A; and state that ective measures described in this essed or implied; concerning the the Inspector nor his employer sing from or connected with this
or Province of <u>VA</u> <u>HavT</u> in this Owner's Report to the best of my know Owner's Report in accor By signing this certif examinations and corre- shall be liable in any ma- inspection.	Ford Street during the period vledge and belief, the Ow rdance with the requirement ficate neither, the Inspect ictive measures described anner for any personal inj and J. Cool	I 1 - 21- vner has performed ex ents of the ASME Cod tor nor his employer: I in this Owner's Rep jury or property dama	89 to 1 - A - A -9 aminations and taken corr e, Section XI. makes any warranty expr fort. Furthermore, neither ge or a loss of any kind ari s. VA 543	A; and state that ective measures described in this essed or implied; concerning the the Inspector nor his employer sing from or connected with this
or Province of VA HavT in this Owner's Report to the best of my know Owner's Report in accor By signing this certif examinations and corre- shall be liable in any ma- inspection.	Ford Street during the period vledge and belief, the Ow rdance with the requirement ficate neither, the Inspect ictive measures described anner for any personal inj and J. Cool	T vner has performed ex ents of the ASME Cod tor-nor his employer: torin this Owner's Rep jury or property dama Commission	89 to 1 - A - A -9 aminations and taken corr e, Section XI. makes any warranty expr fort. Furthermore, neither ge or a loss of any kind ari s. VA 543	A; and state that ective measures described in this essed or implied; concerning the the Inspector nor his employer sing from or connected with this

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1.	Owner	Virginia Electric and Power Co Name	Date/-28-9/
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant	Surry Power Station Name	Unit
	<u>P.0.</u>	Box 315, Surry, VA 23883	<u>W0 # 3800 101835</u> Repair Organization P.O. No., Job No., etc.
3.	Work Perf	formed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	<u>P.0.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System <u>CHEINICAL</u> AND VOLUME CONTROL	

- 5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	·Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
NUTS, 1-8	COPES VULCAN	UNKNOWN	NA	01-CH-FCV-1160	UNKNOWN	REPLACED	UNKNOWN
NUTS, 18-8	TEXAS BOLT	31621	N/A	01-CH-FCV-1160	UNKNOWN	REPLACEMENT	UNKNOWN

- 7. Description of Work INVESTIGATE / REPAIR VALVE
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>//0</u> psi Test Temp. <u>//0</u> °F

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

(12/82)

Owner or Owney's Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State r Province of		Applicable Manufacturer's Data Reports to be attached
We certify that the statements made in the report are correct and this <u>BEPLACEMENT</u> conforms to the rules of the repair or replacement SME Code, Section X1. ype Code Symbol Stamp <u>N/A</u> ertificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> gened <u>Symbol Stamp</u> <u>TST 246 WEW</u> Date <u>F4B-12</u> , 19 <u>94</u> <u>CERTIFICATE OF INSERVICE INSPECTION</u> the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State r Province of <u>VA</u> and employed by <u>HSBI&I CO</u> , and employed by <u>HSBI&I CO</u> , and the state that to be the store of the period <u>12-33-89 to</u> <u>1-(1-914</u>), and state that to be the store with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector on rhis employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer makes any kind arising from or connected with this spection. Mathematical Board, State, Province, and Endorsements National Board, State, Province, and Endorsements National Board, State, Pr		
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KIN QI	Po	hant I. Corden WA FAZ
KIN QI		nspector's Signature Commissions VA 545 National Board, State, Province, and Endorsements
1-20 1091		
	Date.	2-20 19.91

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date 1-28-91
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant Surry Power Station Name	Unit <u>ONE</u>
	P.O. Box 315, Surry, VA 23883	WO # 3800 054901 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u>
	P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System <u>COMPONENT</u> COOLING	

5. (a) Applicable Construction Code <u>B31.1</u>
 19.67 Edition, <u>N/A</u> Addenda, <u>N-1.</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	MISSION DUO	UNKNOWN	N/A	01-02-176	UNKNOWN	REPLACED	UNKNOWN
VALVE	AGCO	N2581	N/A	01-00-176	1989	REPLACEMENT	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	NIA	01-0-176	UNKNOWN	REPLACED	UNKNOWN
NUTS. 18-8	TEXAS BOLT	31621	N/A	01-02-176	1989	REPLACEMENT	UNKNOWN
STUDS, 18-8	CARDINAL IND.	46367	N/A	01-02-176	1990	REPLACEMENT	UNKNOWN

7. Description of Work <u>REPLACE</u> CHECK VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>No P</u>psi Test Temp. <u>No T</u>°F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8% 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.

(12/82)

Applicable Manufacturer's Data Reports to be attached STUDS Po $\#$ CSY - 311859 - 1 NUTS Po $\#$ CSY - 260842 - 1
NUTS PO # CSY - 260842-1
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 StampN/A
NT / A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Signed D- G- document TST Enfinited Date Jes. 19 21
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>VA</u> and employed by <u>HSBI&I Co.</u>
Hart Ford, Cthave inspected the components described
in this Owner's Report during the period12-32-89_to2-32-92, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
Robert J. Coden Commissions VA 543
Inspector's Signature Commissions VA 545 National Board, State, Province, and Endorsements
Date $2 - 20_{19} - 4/_{19}$

As Required by the Provisions of t	
1. Owner <u>Virginia Electric and Power Co.</u> Name	Date_1-28-91
5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2. Plant <u>Surry Power Station</u> Name	Unit <u>ONE</u>
P.O. Box 315, Surry, VA 23883 Address	<u>W0 # 3800 095962</u> Repair Organization P.O. No., Job No., etc.
. Work Performed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u>
P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
Identification of System_SAFETY_INJECTION	
5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edit	ion. N/A Addenda.N~1. N-7 Code

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(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80W80

6. Identification of Components Repaired or Replaced and Replacement Components

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		Serial No.	No.	Other Identification	Year Built	Replaced, or Replacement	(Yes or No)
	ANCHOR - DARLING	UNKNOWN	N/A	01-5I-MOV-1867C	UNKNOWN	REPLACED	ONKNOWN
UDS, 13-8	CARDINAL IND.	44544		01-51-MOV-1867C	1990	REPLACEMENT	UNKNOWN
15, 1 3 -8	HARDWARE SPEC.	30437	N/A	01-51-MOV-1867C	1989	REPLACEMENT	UNKNOWN
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	UDS, 13-8	uds, 1킄-8 CARDINAL IND.	uds, 1 ^킄 -8 <u>cardinal ind.</u> 44544	uds, 13-8 CARDINAL IND. 44544 N/A	uds, 13-8 CARDINAL IND. 44544 N/A 01-51-MOV-1867C	UDS, 13-8 CARDINAL IND. 44544 N/A 01-SI-MOV-1867C 1990	UDS, 13-8 CARDINAL IND. 44544 N/A 01-SI-MOV-1867C 1990 REPLACEMENT

7. Description of Work REPLACE COVER STUDS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure No psi Test Temp Ambient ° F

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

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Applicable Manufacturer's Data Reports to be attached NUT PO# CSY - 231327 -7 CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>BELACEMENT</u> conforms to the rules of the repair or replacement Vectors Symbol Stamp	Applicable Manufacturer's Data Reports to be attached	
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We certify that the statements made in the report are correct and this <u>BEPLACEMENT</u> _conforms to the rules of the repair or replacement where Code, Section X1. where Code Symbol Stamp		
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Some of Outler's Designee, Title CERTIFICATE OF INSERVICE INSPECTION A colspan="2">CERTIFICATE OF INSERVICE INSPECTION A colspan="2">A colspan="2">Certificate of Boiler and Pressure Vessel Inspectors and the State of Province of VA and employed by HSBI&I Co. Of Hart Ford, Ct Inspected the components described Inthis Owner's Report during the period O A-11-91 O A-11-91 Inthis Owner's Report during the period O A-11-91 Inthis Owner's Report in accordance with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or limplied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer thall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this nspecti	Certificate of Authorization NoN/AExpiration DateN/A	
Some of Outler's Designee, Title CERTIFICATE OF INSERVICE INSPECTION A colspan="2">CERTIFICATE OF INSERVICE INSPECTION A colspan="2">A colspan="2">Certificate of Boiler and Pressure Vessel Inspectors and the State of Province of VA and employed by HSBI&I Co. Of Hart Ford, Ct Inspected the components described Inthis Owner's Report during the period O A-11-91 O A-11-91 Inthis Owner's Report during the period O A-11-91 Inthis Owner's Report in accordance with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or limplied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer thall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this nspecti	all and the first the second of the second s	
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>VA</u> and employed by <u>HSBI&I Co</u> of <u>HartFord</u> , <u>Ct</u> have inspected the components described in this Owner's Report during the period <u>(1-31-&97)</u> , and state that o 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 nspection.		
the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>VA</u> and employed by <u>HSBI&I Co</u> of <u>HartFord</u> , <u>Ct</u> have inspected the components described in this Owner's Report during the period <u>(1-11-89</u> to <u>4-11-91</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this nspection.		
or Province of VA	CERTIFICATE OF INSERVICE INSPECTION	
<u>HartFord</u> , <u>Ct</u> have inspected the components described in this Owner's Report during the period o the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Dwer's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither, the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither, the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this nspection. Multiple Codes Inspector's Signature National Board, State, Province, and Endorsements	, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State	
n this Owner's Report during the period <u>12-31-89</u> to <u>4-34-94</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither, the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither, the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this nspection. Multiple Codes Inspector's Signature National Board, State, Province, and Endorsements	r Province of VAand employed by HSBI&I Coof	
o the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Dweer's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this nspection.	Hart Fard Ct have inspected the components described.	<u>`</u> .
Dwaer's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this nspection. Multiple Codes Inspector's Signature National Board, State, Province, and Endorsements	n this Owner's Report during the period(1-11-89toA-11-91, and state that	•
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	o the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this	:
xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	Dwher's Report in accordance with the requirements of the ASME Code, Section XI.	
hall be 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 F. Color Commissions VA_543 Inspector's Signature National Board, State, Province, and Endorsements		÷
Inspector's Signature Commissions VA 543		· ^
National Board, State, Province, and Endorsements	hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this	
Inspector's Signature National Board, State, Province, and Endorsements	nspection.	
Inspector's Signature National Board, State, Province, and Endorsements	$(), \rho, f \in \mathcal{P}_{-}()$	
Date19_91	ivational board, Stata, Frovince, and Endorsements	
Date	A 19 01	
	Date19_71	

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date
	5000 Dominion Blvd., Glen Allen, VA	Sheet of/
	Address 23060	,
2.	Plant Surry Power Station	Unit ONE
	Name	
	P.O. Box 315, Surry, VA 23883	WO # 3800 095961
	Address	Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	<u>P.O. Box 315, Surry, VA 23883</u>	Expiration Date <u>N/A</u>
	Address	,
4.	Identification of System SAFETY INJECTION	

- 5. (a) Applicable Construction Code <u>B31,1</u> 19.67 Edition, <u>N/A</u> Addenda,<u>N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Yéar Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	ANCHOR-DARLING	UNKNOWN	N/A	1867 D 01-SI-MOV-	UN KNOWN	REPLACED	UNKNOWN
STUDS, 18-8	CARDINAL IND.	44544	N/A	01-51-MOV-1867 D	1990	REPLACEMENT	UNKNOWN
NUTS, 13-8	HARDWARE SPEC.	30437	N/A	01-SI-MOV-1867D	1989	REPLACEMENT	UNIKNOWN
					- 3		

- 7. Description of Work_REPLACED COVER_STUDE
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>MOP</u> psi Test Temp. <u>NOT</u> F

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

(12/82)

PO # CSY-281852-1 STUDS 9. Remarks ____ Applicable Manufacturer's Data Reports to be attached PO # CSY-231327-7 NUTS 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 repair or replacement ASME Code, Section XI. Type Code Symbol Stamp____N/A Expiration Date <u>N/A</u> N/A Certificate of Authorization No. _ vner or Owner Designee, Title Signed. CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBI&I Co. or Province of _____VA __of Hartford, Ct have inspected the components described 12-29-8910 2-12-92 _____, and state that in this Owner's Report during the period_ 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. Coden Commissions VA 543 National Board, State, Province, and Endorsements nspector's Signature 1-19 19 91 Date.

FORM NIS-2 (Back)

. Owner <u>Virginia Electric and Power Co.</u> Name	Date 1-28-91
5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
. Plant Surry Power Station Name	Unit <u>ONE</u>
P.O. Box 315, Surry, VA 23883	WO # 3800 095960 Repair Organization P.O. No., Job No., etc.
Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u>
P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
Identification of System SAFETY INJECTION	

5. (a) Applicable Construction Code <u>B31,1</u> <u>19 67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	ANCHOR-DARLING	94-12 3 93- <i>1</i> 6	N/A	1869A 01-5I-MOV-	UNKNOWN	REPLACED	ONKNOWN
STUDS, 13-8	CARDINAL IND.	44544	N/A	01-SI-MOV-1869A	1990	REPLACEMENT	NAKNOWA
NUTS, 18-8	HARDWARE SPEC.	30437	N/A	01-5I-MOV-1869A	1989	REPLACEMENT	UNKNOWN
			,,,,,,				
				· · ·	· ·		

7. Description of Work <u>REPLACE</u> COVER STUDS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure MOP psi Test Temp. Mor °F

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

(12/82)

Remarks STUD PO # CSY-281852-1	
Applicable Manufacturer's Data Reports to be attached	
<u>NUT PO # CSY-231327-7</u>	
·	
We certify that the statements made in the report are correct and this <u>PEPLACEMENT</u> conforms to the rules of repair or replacement	the
ASME Code, Section XI.	
	1
Type Code Symbol StampN/A	
Cartificate of Authorization No N/A Expiration Data N/A	
Certificate of Authorization No, <u>N/A</u> Expiration Date <u>N/A</u>	
Signed U. C. Arcenton Date 2/19 Date 19 9/	<u> </u>
CERTIFICATE OF INSERVICE INSPECTION	•
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the or Province of <u>VA</u> and employed by <u>HSBI&I_Co</u> ,	
	of
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described i	n this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concernir	ig the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emp	oloyer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected wit	h this
inspection.	
P. D. + P. P. D.	
Collen Commissions VA 543	
Inspector's Signature National Board, State, Province, and Endorsemen	178
Date	ļ

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date1-28-91
_	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant Surry Power Station Name P.O. Box 315, Surry, VA 23883	Unit <u>ONE</u> WO # 3800 094710
	Address	Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System <u>CONTAINMENT</u> SPRAY	

5. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_{80W80}

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS È NUTS	VELAN	019	N/A	01-05-105	1979	REPLACED	YES
NUTS, 13-8	CARDINAL IND.	46576	N/A	01-05-105	1990	REPLACEMENT	UNKNOWN
STUDS, 13-8	CARDINAL IND.	44544	N/A	01-05-105	1990	REPLACEMENT	UNIKNOWN
					L		
			i				

7. Description of Work OPEN/INSPECT IAW CHECK VALVE PM PROGRAM, REPLACED STUDS & NUTS

 ¥
 8. Tests Conducted: Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Other Pressure_____psi Test Temp._____ _°F

tion 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.

(12/82)

9. Remarks	csy- 5 PO # 281852-1
0, Hondrid <u>- 9</u>	Applicable Manufacturer's Data Reports to be attached
NUTS	PO # CSY-317574-1
·	
	· · ·
	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 rules
ASME Code, Section	n XI.
Type Code Symbol S	Stamp N/A
Type Code Symbol 3	
Certificate of Author	rization No. <u>N/A</u> Expiration Date <u>N/A</u>
\Box	- 1
Signed -4 -4	Locare ISI Engrueed Date Feb. 19 19 21
Owner or C	Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
or Province of <u>VA</u> in this Owner's Rep to the best of my ki Owner's Report in ac By signing this co examinations and co shall be liable in any inspection.	holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S and employed by <u>HSBI&I Co.</u> <u>have inspected the components descr</u> port during the period <u>12-12-89</u> to <u>2-22-91</u> , and state showledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ y manner for any personal injury or property damage or a loss of any kind arising from or connected with $A = \frac{1}{2} $
or Province of <u>VA</u> in this Owner's Rep to the best of my ki Owner's Report in ac By signing this co examinations and co shall be liable in any inspection.	holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S and employed by <u>HSBI&I Co</u> have inspected the components descr port during the period <u>12-12-89</u> to <u>2-22-91</u> , and state knowledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to receive measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ y manner for any personal injury or property damage or a loss of any kind arising from or connected with $A = \frac{1}{2}$ Commissions VA 543
or Province of VA in this Owner's Rep to the best of my ki Owner's Report in ac By signing this ca examinations and co shall be liable in any inspection.	holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S and employed by <u>HSBI&I Co.</u> <u>have inspected the components descr</u> port during the period <u>12-12-89</u> to <u>2-22-91</u> , and state showledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ y manner for any personal injury or property damage or a loss of any kind arising from or connected with $A = \frac{1}{2} $
or Province of VA in this Owner's Rep to the best of my ki Owner's Report in ac By signing this ca examinations and co shall be liable in any inspection.	holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S and employed by <u>HSBI&I Co.</u> <u>have inspected the components descr</u> port during the period <u>12-12-89</u> to <u>2-22-91</u> , and state showledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ y manner for any personal injury or property damage or a loss of any kind arising from or connected with $A = \frac{1}{2} $
or Province of VA in this Owner's Rep to the best of my ki Owner's Report in ac By signing this ca examinations and co shall be liable in any inspection.	holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S and employed by <u>HSBI&I Co.</u> <u>have inspected the components descr</u> port during the period <u>12-12-89</u> to <u>2-22-91</u> , and state showledge and belief, the Owner has performed examinations and taken corrective measures described in accordance with the requirements of the ASME Code, Section XI. certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ y manner for any personal injury or property damage or a loss of any kind arising from or connected with $A = \frac{1}{2} $

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, <u>...</u>

Owner <u>Virginia Electric and Power Co.</u>	Date/28-9/
5000 Dominion Blvd., Glen Allen, VA Address 23060	
Plant <u>Surry Power Station</u> Name	Unit
P.O. Box 315, Surry, VA 23883 Address	
Work Performed by <u>Virginia Power</u> Name	
P.O. Box 315, Surry, VA 23883 Address	N/A
Identification of System CONTAINMENT SPRAY	

5. (a) Applicable Construction Code <u>B31.1</u> <u>1967</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1980W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE, 2" GATE	VELAN	W-254B13MY	N/A	01-05-51	UNKNOWN	REPLACED	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-05-51	UNKNOWN	REPLACED	UNKNOWN
PIPE, 2"	UNKNOWN	UNKNOWN	N/A	01-05-51	UNKNOWN	REPLACED	UNKNOWN
FLL, 2"	UNKNOWN	UNKNOWN	N/A	01-05-51	DAKNOWN	REPLACED	nnknomn
VALVE, 2" GATE	VELAN	W08-2054B- 13MS	N/A	01-cs-51	1983	REPLACEMENT	NNKYOWN

7. Description of Work <u>REPLACE VALVE</u>

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 1.5 X Des 164 psi Test Temp. Att Des 16 Pressure F

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

(12/82)

	Applicable Manufacturer's Data Reports to be attached
-	
	We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement ASME Code, Section X1.
,	Type Code Symbol StampN/A
	Corrificante of Authorization No. N/A
	Signed A. 4 Decel ISE Eng. Date 18. 18
	Signed U - U - O - Signee, Title Date Date, 19 //
•	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>VA</u> and employed by <u>HSBI&I Co.</u> of
	Hartford, CT have inspected the components described
	in this Owner's Report during the period $12-92-89$ to $2-12-92$, 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.
	O I A J P O
	When J. Coclan Commissions_VA 543
	Inspector's Signature National Board, State, Province, and Endorsements
	Date $9 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -$

1.	Owner	Virginia Electric and Power Co. Name	Date 1-28-91
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant	Surry Power Station	Unit ONE
	_P.0.	Box 315, Surry, VA 23883	W0 # 3800 096086 Repeir Organization P.O. No., Job No., etc.
3.	Work Perfo	ormed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	<u>P.0.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identificati	ion of System CONTAINMENT SPRAY	

5. (a) Applicable Construction Code <u>B31.1</u> 19<u>67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS, 1-13	CARDINAL IND.	45116	N/A	01-05-51	1990	REPLACEMENT	unknown
NUTS, 12-13	CARDINAL IND.	46576	N/A	01-05-51	1990	REPLACEMENT	UNKNOWN
PIPE, 2"	MULTI METALS	1-495	N/A	01-65-51	1987	REPLACEMENT	UNKNOWN
ELL, 2"	ALLOY STAINLESS PROD.	P/L #14749	N/A	01-05-51	1982	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE VALVE

8.	Tests Conducted:		Pneumatic 🔲 No		
		Other 📃 Pressu	ure 1.5 XItsilintpsi	i Test Temp.	ANBIENT "F

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

(12/82)

9. Remark	s STUDS	10# CSY- 294697-3	
	•	Applicable Manufacturer's Data Reports to be attached	
	NUTS	Po# CSY-317574-2	
			
	PIPE	PO# CSY - 146966 - 1	
	ELL	Po# 95731-9	
	معلياميا		

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 N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed U. L. Gerrer IST Eng. Date FEB. 18
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>VA</u> and employed by <u>HSBI&I CO</u> of <u>HarTFord</u> CT have inspected the components described
in this Owner's Report during the period / 2-12-89 to, 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. Rubert L. Coder Commissions_VA 543
Inspector's Signature National Board, State, Province, and Endorsements
Date $1 - 19 = 19 = 91$

Ν.

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date1-28-91
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet/ of/
2.	Plant Surry Power Station	Unit ONE
	P.O. Box 315, Surry, VA 23883	WO # 3800 099755
3.	Work Performed by <u>Virginia Power</u> Name	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System CONTAINMENT SPRAY	·

5. (a) Applicable Construction Code <u>B31,1</u> <u>19 67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	Schuttle Ékoerting	UNKNOWN	N/A	01-05-24	UNKNOWN	REPLACED	UNKABWN
NUTS, 5-11	CARDINAL IND.	44970	N/A_	01-CS-24	1990	REPLACEMENT	UNKAJOWA
34" NUT	Schuttle E Koertling	UNKNOWN	N/A	01-05-24	UNKNOWN	REPLACED	UNKNOWN
NUTS, 3-10	CARDINAL IND.	43787	N/A	01-03-24	1989	REPLACEMENT	UNKNOWN
STUDS, 흫-II	A¢G ENGR	04470	N/A	01-05-24	1990	REPLACEMENT	UNKNOWN

7. Description of Work OPEN/INSPECT IAW CHECK VALUE PM PROGRAM

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. <u>Auditor</u> F

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

(12/82)

		P0 # 3 CSY- 306871-1 Applicable Manufacturer's Data Reports to be attached	
_	NUTS	Po# CSY-290693-1	
	₹″NUT	PO # CSY- 258296-2	

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u></u>
ASME Code, Section XI.
Type Code Symbol StampN/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Signed 1 Court ISI ENG. Date FEB. 18 , 19.51 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>VA</u> and employed by <u>HSBI&I Co.</u> od
in this Owner's Report during the period/1-12-89_to_1-22-92, and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
Robert J. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements
Date <u>A-1919_9/</u>

1.	Owner Virginia Electric and Power Co.	Date [-28-9]
••	Name	
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Of
2.	Plant Surry Power Station	Unit ONE
	Name	
	<u>P.O. Box 315, Surry, VA 23883</u>	<u>up # 3800099712</u>
•	Address	Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power	Type Code Symbol StampN/A
	Name	Authorization No. <u>N/A</u>
	P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
	Address	
4.	Identification of System <u>COMPONENT</u> COOLING	

As Required by the Provisions of the ASME Code Section XI

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

- 5. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	UNKNOWN	UNKNOWN	N/A	01-CC-RV-119A	UNIENOWN	REPLACED	NIKNOWN
VALVE	TELEDYNE FARRIS	1135 - GC	N/A	01-CC-RV-119A	1987	REPLACEMENT	UNIKAYOKIN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	61-CC-RV-119A	UNKNOWN	REPLACED	UNKNOWN
NUTS, -11	A & G ENGR.	04237	N/A	01-cc-RV-119A	1990	REPLACEMENT	UNKNOW
SNDS, 블-11	CARDINAL IND.	44969	N/A	01-cc-RV-119A	1990	REPLACEMENT	UNKNOW

7. Description of Work <u>REPLACE</u> RELIEF VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure NO? psi Test Temp. _____ PSi

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



9.	Remarks _	VALVE	PO # SSY- 125962-3
		STUDS	Applicable Manufacturer's Data Reports to be attached $P0 \neq CSY - 290637 - 1$
		NUTS	PO = CSY - 294709 - 1
		·	

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 X1.
Type Code Symbol StampN/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Signed
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>VA</u> and employed by <u>HSBI&I Co</u> of
Hart Ford, Cthave inspected the components described
in this Owner's Report during the period (1-11-89 to
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Robet J. Coder VA 543
Inspector's Signature National Board, State, Province, and Endorsements
Date $2-19$ 1991

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet 2 of 2
2.	Plant <u>Surry Power Station</u> Name	Unit ONE
	P.O. Box 315, Surry, VA 23883	W0 # 38000 99712 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u>
	P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System COMPONENT COOLING	

- 5. (a) Applicable Construction Code <u>B31,1</u> 19<u>67</u> Edition, <u>N/A</u> Addenda,<u>N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5TUDS, = - 13	CARDINAL IND.	45116	N/A	01-CC-RV-119A	1990	REPLACEMENT	UNKNOWN
NUTS, 2-13	CARDINAL IND.	46576	<u>N/A</u>	01-CC-RV-119A	1990	REPLACEMENT	UNKNOWN
				-			

- 7. Description of Work <u>REPLACE</u> <u>RELIEF</u> VALVE, (cont.)
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. Nor °F

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

(12/82)

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Remarks	STUDS PO # CSY - 294697 - 3
	Applicable Manufacturer's Data Reports to be attached
	NUTS PO# CSY - 317574 - 2
	· · ·
,. <u>-</u>	
ASME Co	We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement
Type Cod	le Symbol StampN/A
Contificat	e of Authorization No. N/A Expiration Date N/A
Signed	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ce of <u>VA</u> and employed by <u>HSBI&I Co.</u> of
in this O	HartFord, CThave inspected the components described where's Report during the period/1-11-89_to 1-11-92, and state that
to the be	st of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Report in accordance with the requirements of the ASME Code, Section XI.
	ining this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinat	ions and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer iable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection	
Ċ.	D A + P P A
¥	Labert J. Coden Commissions. VA 543
	Inspector's Signature National Board, State, Province, and Endorsements
	1-19 01
Date	$2 - 19 _{19} - 9 / _{19} - 9$

1.	Owner	Virginia Electric and Power Co Name	Date 1-28-91
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of/
2.	Plant	Surry Power Station Name	Unit <u>ONE</u>
	<u>P.0.</u>	Box 315, Surry, VA 23883	WO # 3800 0888/0 Repair Organization P.O. No., Job No., etc.
3.	Work Perf	formed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.0.	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identificat	tion of System <u>SAFETY</u> INJECTION	

5. (a) Applicable Construction Code <u>B31,1</u> 19 67 Edition, <u>N/A</u> Addenda,<u>N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS	VELAN 64	FIG # BI4-3114B-13M	N/A	01-51-240	UNKNOWN	REPLACED	UNKNOWN
STUDS, 14-8	CARDINAL IND.	46186	<u>N/A</u>	01-51-240	1990	REPLACEMENT	UNKHOWN

7. Description of Work INSPECT HANGER BRACKET BOLTS

8.	Tests Conducted:	Hydrostatic 🗌	Pneumațic 🗌	Nominal Operat	ing Pressure [2
		Other 🗌 Pressu	re NON	psi Test Temp.	NOT	°F

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

. .

Remarks STUDS PO# CSY-306868-1	_
Applicable Manufacturer's Data Reports to be attached	
	-
	-
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 repair or replacement	
ASME Code, Section XI.	
Type Code Symbol StampN/A	
Certificate of Authorization NoN/AExpiration DateN/A	
Signed Owner or Owner of Designee, Title Date Date 18. 18. 19. 9	
Signed 4 - La -	ł
CERTIFICATE OF INSERVICE INSPECTION	Ţ
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State	
or Province of VAand employed by HSBI&I Coof	
<u>Hartford</u> , Ct in this Owner's Report during the period <u>(1-21-89</u> to <u>1-21-91</u> , and state that	
in this Owner's Report during the period $(1-31-89)$ to $3-21-91$, 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.	
Wabert L. Corden WA 543	
Inspector's Signature Commissions VA 543 National Board, State, Province, and Endorsements	
Date $2 - 19 = 19 - 91$	

.

. Owner <u>Virginia Electric and Power Co.</u>	Date1-28-91
5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of /
Plant Surry Power Station Name	Unit ONE
P.O. Box 315, Surry, VA 23883	WO # 3800 076577 Repair Organization P.O. No., Job No., etc.
Work Performed by <u>Virginia Power</u>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
. Identification of System SERVICE WATER	

5. (a) Applicable Construction Code <u>B31,1</u> <u>19 67</u> Edition, <u>N/A</u> Addenda,<u>N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>80W80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS É NUTS	UNKNOWN	UNKNOWN	N/A	01-5W-FE-120B	NN KNOWN)	REPLACED	UNKNOWN
NUTS	A È G ENGR.	NCA 3866.6	N/A	01-5W-FE-1208	1990	REPLACEMENT	UNKNOWN
STUDS	CARDINAL IND.	46512	N/A	01-5W-FE-120B	1990	REPLACEMENT	UNKNOWN
ORIFICE	UNKNOWN	UNKNOWN	N/A	01-SW-FE-ROB	UNKNOWN	REPLACED	UNKNOWN
ORIFICE	HUSSEY (FARMERS)	12416	N/A	01-SW-FE-120B	1988	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE ORIFICE PLATE / REPLACE BOLTING

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. ///0/ °F

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

(12/82)

9.	Remarks	STUDS	P0 #	CSY-316249-2
		NUTS	P0 #	Applicable Manufacturer's Data Reports to be attached $CSY - 294709 - 1$
		ORIFICE	P0#	(SY-227866

We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement
Type Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed A - Legen ISI Lug. Date Feb. 13 , 19_51
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>VA</u> and employed by <u>HSBI&I Co.</u> of <u>HarTFord</u> , CT
in this Owner's Report during the period <u>12-22-89</u> to <u>2-12-91</u> , and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection. Polent J. Colon Inspector's Signature Commissions VA 543 National Board, State, Province, and Endorsements

1.	Owner	Virginia Electric and Power Co Name	Date1-28-91
		Dominion Blvd., Glen Allen, VA Address 23060	Sheet of/
2.		Surry Power Station Name	Unit <u>ONE</u> WO # 3800 088829
		Box 315, Surry, VA 23883 Address	Repair Organization P.O. No., Job No., etc.
3.		formed by <u>Virginia Power</u> Name	Type Code Symbol Stamp $\underline{N/A}$ Authorization No. $\underline{N/A}$
	<u>P.0.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System SAFETY INJECTION	

5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NUTS	VELAN 6"	FIG # BI4-3114B-13M	N/A	01-5I-85	UNKNOWN	REPLACED	UNKLOWN
STUDS	A & G ENGR.	NCA 3866.6	NA	01-5I-85	1990	REPLACEMENT	пикноми
NUTS	AEG ENGR.	NCA 3866.6	<u> N/A</u>	01-5I-85	1990	REPLACEMENT	NNKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS

8.	Tests Conducted:	Hydrostatic 🗌	Pneumatic 🗌	Nominal Operatir	ng Pressure
		Other Pres	sure NON	_psi Test Temp	NOT °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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.

(12/82)

csy - batta 21/201 - 2
Remarks <u>STVDS</u> PO # 316281-2
Applicable Manufacturer's Data Reports to be attached
NVTS PO # CSY-316281-4
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 StampN/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Signed a - h- logen ISI End. Date Fed. 13 19-21
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 Stat
or Province of VAand employed by HSBIEI Co.
Hart For 2, Ct have inspected the components describe
in this Owner's Report during the period $12-12-99$ to $1-12-92$, 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 th
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with thi
inspection.
() 0 A P () ()
- Coclar Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements
Date2 - 14 19.91

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

1. Owner Virginia Electric and Po	wer Co. Data 1-28-91
5000 Dominion Blvd., Glen All Address	en, VA Sheet of
2. Plant <u>Surry Power Station</u> Name	Unit
P.O. Box 315, Surry, VA 2388 Address	3 <u>W0 # 3800 /02.354</u> Repair Organization P.O. No., Job No., etc.
3. Work Performed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u>
P.O. Box 315, Surry, VA 2388 Address	
4. Identification of System CHEMICAL AND	VOLUME CONTROL

- 5. (a) Applicable Construction Code <u>B31,1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
OIL COOLER	BASCO	UNKNOWN	N/A	01-CH-E-5C	UNKNOWN	REPLACED	UNKNOWL
OIL COOLER	SPECIALTIES ENGR. CORP.	8512102	N/A	01-CH-E-5C	1986	REPLACEMENT	UNKNOWN

- 7. Description of Work <u>REPLACE LUBE OIL COOLER</u>
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Nor psi Test Temp. Nor F

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

(12/82)

9. Remarks COOLER PO # SY - 109/69-1 Applicable Manufacturer's Data Reports to be attached 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 repair or replacement ASME Code, Section XI. Type Code Symbol Stamp____N/A_ N/A Expiration Date N/A Certificate of Authorization No. ISI ENG. Date Feb. 18 19.91 an Signed Owner's Designee, Title Owner or 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 _and employed by <u>HSBI&I Co.</u> or Province of VA _of HartFord, Ct have inspected the components described 12-11-89 10 1-11-92 in this 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 this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 VA 543 Inspector's Signature National Board, State, Province, and Endorsements 19 91 2-14 Date

1.	Owner	Virginia Electric and Power Co Name	Date1-28-91
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant	Surry Power Station	UnitONE
	<u>P.0.</u>	Box 315, Surry, VA 23883	W0 # 38000 88830 Repair Organization P.O. No., Job No., etc.
3.	Work Perf	ormed by <u>Virginia Power</u> Name	Type Code Symbol StampN/A Authorization NoN/A
	<u>P.O.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identificat	tion of System SAFETY INJECTION	

- 5. (a) Applicable Construction Code <u>B31.1</u> <u>1967</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1980W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS & NOTS	VELAN 6"	FIG # BI4-3114B-13M	N/A	01-5I-82	UNKNOWN	REPLACED	UNKNOWN
STUDS	A & G ENGR	NCA 3866.6	N/A	01-5I-82	1990	REPLACEMENT	UNKNOWN
NUTS	A E G ENGR	NCA 3866.6	N/A	01-5I-82	1990	REPLACEMENT	UNKNOWN

- 7. Description of Work REPLACE HANGER BRACKET BOLTS
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure no Fist Temp. <u>No F</u>

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

(12/82)

Remarks STUDS PO # C5Y-316281-2	
Applicable Manufacturer's Data Reports to be attached	
NUTS PO # CSY-316281-4	
·	
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	
repair or replacement	
ASME Code, Section XI.	
Type Code Symbol StampN/A	- 1
Certificate of Authorization No,N/AExpiration DateN/A	_
	1
Signed a h. Loren IST ENG. Date FEB. 18 1991	_
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 Sta	te
NA HSBIEL CO	
in this Owner's Report during the period.	
$(1-1)^{-1}$ nave inspected the components describe	
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th	nis
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t	he
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employ	er
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th	nis
inspection.	
$\bigcap A + P O A$	
Vichler f. Coden commissione VA 543	
Inspector's Signature Commissions VA 543 National Board, State, Province, and Endorsements	-
Date $2 - 14 _{19} 91$	1

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1.	Owner	Virginia Electric and Power Co Name	Date
		Dominion Blvd., Glen Allen, VA Address 23060	Sheet
2.	Plant	Surry Power Station Name	UnitONE
	P.0.	Box 315, Surry, VA 23883	W0 # 3800 099711 Repair Organization P.O. No., Job No., etc.
3.	Work Perf	formed by <u>Virginia Power</u> <u>Name</u>	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.0.	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System COMPONENT COOLING	

- 5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19.80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RELIEF VALVE	tele dyne Farris	UNKNOWN	N/A	01-cc-RV-122	UNKNOWN	REPLACED	UNKNOWN
RELIEF VALVE	TELE DYNE FARRIS	1135 -GC	N/A	01-CC- RV-122	1987	REPLACEMENT	UNIKNOWN
STUDS È NUTS	UNKNOWN	NKNOWN	 	01-cc-RV-122	UN KNOWN	REPLACED	UNKNOWN
STUDS	CARDINAL IND.	44969	N/A	01-cc-RV-122	1990	REPLACEMENT	UNKNOWN
NUTS	A & G ENGR.	UNKNOWN	N/A	01-CC-RN-122	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE RELIEF VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>NOP</u> psi Test Temp. <u>NOP</u> °F

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

(12/82)

9.	Remarks	VALVE	PO #	SSY-125962-4)	
				Applicable Manufac	cturer's Data Reports to be attached	
		STUDS	P0 #	CSY-290637-1		
		NUTS_	P0 #	<u>csy - 298419-2</u>		

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 X1. repair or replacement
Type Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration Date N/A Signed 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 VAand employed by <u>HSBI&I Co</u> of Hartford, CT
<u>Hartford</u> , CT have inspected the components described in this Owner's Report during the period <u>$12-22-39$</u> to <u>$2-22-92$</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions VA 543 National Board, State, Province, and Endorsements
Date

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Vieguin Exected Date Shee 23*66*0 2. Plant Unit 88-230 ¢w// Repair Organization P.O. No., Job No., etc. 3. Work Performed by <u>OWEA</u> Type Code Symbol Stamp_ Authorization No._ NIA NA Expiration Date ____ FLEDWATZL 4. Identification of System_ Aux B31.1 ___19 <u>6 > _</u>Edition, 2__Code Case Addenda, N 5. (a) Applicable Construction Code____

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80080

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	PACIFIC	wENDEN	NA	1-FW-142	HAVE NOW A	REJUACES	LINANOUN
Pipe	UNENOUN	UNIENOWN	Na	NA	an a	Lepique)	(1 NZ NO GUN
VALVE	PACIFIC	XB4382	NA	1-1-42	\$ 88	REPACEMENT	NO
Pipe	Mc Tunin Coop	NA	NA	NIA	2/85	LEPERENENT	No

REPLACE VALUE 7. Description of Work_ *

8. Tests Conducted: Hydrostatic 🖌 Pneumatic 🗌 Nominal Operating Pressure 🕑 Other 🗍 Pressure <u>1.5 X Assidar</u> psi Test Temp. <u>ArtBidart</u> ° F

* Upstern wead Received

WELD WAS HYDROSTATICALLY TESTED

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FUNCTIONAL TEST AND DOWNSTAEAM

TER RELIER REBUBST (ATTACHE

FORM NIS-2 (Back) 9. Remarks VALUE P.O. # 554 175489 Applicable Manufacturer's Data Reports to be attached 54 13032 (2 **CERTIFICATE OF COMPLIANCE** We certify that the statements made in the report are correct and this By me means to the rules of the repair or replacement ASME Code, Section XI. Type Code Symbol Stamp, ____Expiration Date ___ Certificate of Authorization No. ENG. 19_2/ Signed or Owne 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>Va</u> and employed by <u>HSBJ+TCO.</u> .of HartFord, Ct. have inspected the components described 5-21-92 12-22-89 in this 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 this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Va 543 A. -Commissions_ nspector's Signature National Board, State, Province, and Endorsements <u>19</u>91 2-13 Date



UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

January 23, 1991

Docket No. 50-280

Serial # _____91-050-

Rec'd. 54N 28 1991

Mr. W. L. Stewart Senior Vice President - Nuclear Virginia Electric and Power Company 5000 Dominion Blvd. Glen Allen, Virginia 23060

Dear Mr. Stewart:

Nuclear Operations Licensing Supervisor

SUBJECT: SURRY UNIT 1 - RELIEF FROM HYDROSTATIC TEST REQUIREMENTS (TAC NO. 79240)

By letter dated December 10, 1990, you submitted a request for relief from the hydrostatic test requirements of the 1980 Edition through Winter 1980 Addenda of Section XI of the ASME Code for welded replacement check valve 1-FW-142 at the Surry Power Station, Unit 1. This valve is located in the discharge line of auxiliary feedwater pump 1-FW-P-2 and was replaced because of excessive internal back leakage detected during an attempted hydrostatic test of the Auxiliary Feedwater System.

Based on the information you provided, we agree with your determination that it is impractical to meet the hydrostatic test requirements of Section XI for the above-cited valve, and we hereby grant the requested relief. The bases for our determination are contained in the enclosed Safety Evaluation.

This relief is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest. In granting this relief, we have given due consideration to the burden that could result if the requirements were imposed on the facility.

Sincerely,

Herbert N. Berkow, Director Project Directorate II-2 Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

Enclosure: As stated

cc w/enclosure: See next page

Mr. W. L. Stewart Virginia Electric and Power Company

cc:

Michael W. Maupin, Esq. Hunton and Williams Post Office Box 1535 Richmond, Virginia 23212

Mr. Michael R. Kansler, Manager Surry Power Station Post Office Box 315 Surry, Virginia 23883

Senior Resident Inspector Surry Power Station U.S. Nuclear Regulatory Commission Post Office Box 166, Route 1 Surry, Virginia 23883

Mr. Sherlock Holmes, Chairman Board of Supervisors of Surry County Surry County Courthouse Surry, Virginia 23683

Mr. W. T. Lough Virginia Corporation Commission Division of Energy Regulation Post Office Box 1197 Richmond, Virginia 23209

Regional Administrator, Region II U.S. Nuclear Regulatory Commission 101 Marietta Street N.W., Suite 2900 Atlanta, Georgia 30323

C. M. G. Buttery, M.D., M.P.H. Department of Health 109 Governor Street Richmond, Virginia 23219 Surry Power Station

Attorney General Supreme Court Building 101 North 8th Street Richmond, Virginia 23219

Mr. E. Wayne Harrell Vice President - Nuclear Operations Virginia Electric and Power Company 5000 Dominion Blvd. Glen Allen, Virginia 23060

Mr. J. P. O'Hanlon Vice President - Nuclear Services Virginia Electric and Power Company 5000 Dominion Blvd. Glen Allen, Virginia 23060

Mr. Martin Bolling Manager - Nuclear Licensing Virginia Electric and Power Company 5000 Dominion Blvd. Glen Allen, Virginia 23060





UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

REQUEST-FOR-RELIEF-FROM-SECTION-XI-HYDROSTATIC-REQUIREMENTS

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY-POWER STATION, UNIT-1

DOCKET-NO-50-280

BACKGROUND.

10 CFR 50.55a(g) requires examinations and tests of nuclear power facility piping and components be performed in accordance with the requirements of the applicable ASME Section XI Code edition and addenda. If it is impractical to meet a requirement, the licensee of the facility is required to notify the Commission and submit information in support of the determination that a requirement is impractical to perform. This information is evaluated by the Commission and, upon making the necessary findings, the Commission may grant relief from the requirement giving due consideration to the burden upon the licensee that could result if the requirement were imposed on the facility.

By letter dated December 10, 1990, Virginia Electric and Power Company (the licensee) submitted to the NRC a request for relief from the hydrostatic test requirements of the 1980 Edition, Winter 1980 Addenda of Section XI of the ASME Code for a welded replacement valve in the Auxiliary Feedwater System at Surry Power Station, Unit 1. The information provided by the licensee is evaluated herein pursuant to 10 CFR 50.55a to determine if the necessary findings can be made to grant the request.

REQUEST AND SUPPORTING INFORMATION

A. RELIEF REQUESTED

Relief is requested from the hydrostatic test pressure requirement of the 1980 Edition, Winter 1980 Addenda of Section XI of the ASME Code for the weld on the inlet side of Class 3 check valve 1-FW-142.

B. SECTION XI CODE REQUIREMENT

A component repair or replacement shall be pressure tested as required by IWA-4400 and IWA-7000 prior to resumption of service. The test pressure and temperature, subsequent to component repair, shall conform with the system test pressure and temperature specified in IWD-5000. Where a repaired or replaced component is isolable within a portion of the system, only that portion need be pressure tested.

The system hydrostatic test pressure shall be at least 1.25 times the system pressure, Psv, for systems with design temperature above 200°F. The system pressure, Psv, shall be the lowest pressure setting among the number of safety or relief valves provided for overpressure protection within the boundary of the system to be tested. The system test temperature during a system hydrostatic test in systems constructed of ferritic steel components shall satisfy either the requirements of fracture prevention criteria, as applicable, or the test temperature determined by the owner.

C. LICENSEE'S BASIS FOR REQUESTING RELIEF

The licensee stated that during hydrostatic testing of recently completed modifications on the Auxiliary Feedwater System, excessive internal back leakage was identified at check valve 1-FW-142. To eliminate this back leakage, the decision was made to replace the six-inch discharge check valve for steamdriven auxiliary feedwater pump 1-FW-P-2.

Paragraph IWA-5214 of ASME Section XI requires that a hydrostatic test be performed with a corresponding VT-2 examination on the affected area. As no intermediate isolation exists and because the discharge piping is welded directly to the pump, the required test on the upstream weld would include 1-FW-P-2 (steam-driven auxiliary feedwater pump) and the associated suction piping within the hydrostatic test boundary. This would result in overpressurization of these components to meet the test requirements (IWD-5223 test pressure: 1576 psig, suction piping design pressure is 30 psig).

Section/Paragraph IWA-5224(d) of ASME Section XI allows the use of the pressure rating for the suction piping out to the first discharge shut-off valve in the case of centrifugal pumps during hydrostatic tests. Use of this Code paragraph in the application would eliminate the need for this relief request as test pressure would only be 33 psig for the replaced welds. Code committee personnel have indicated that this is a Code oversight and that future Code editions will change the requirements for high pressure multi-stage centrifugal pumps. As such, it is the licensee's position that a relief request is necessary.

D. LICENSEE'S PROPOSED ALTERNATIVES

Alternatively, it is proposed that a volumetric examination and a surface examination be performed on the new upstream weld in lieu of the hydrostatic test. In addition, a system functional test (IWD-5222) and its corresponding VT-2 examination will be conducted with the normal Technical Specification required operability test for auxiliary feedwater pump 1-FW-P-42.

EVALUATION

The information submitted by the licensee included ISI Classification Boundary Drawing No. 11448-CBM-068A, REV. 5, that shows the location of the replaced valve (1-FW-142) in the discharge piping of the steam-driven auxiliary feedwater pump 1-FW-P-2. From the drawing, the low pressure suction piping to the pump cannot be isolated from the higher pressure discharge piping in which the weld required to be subjected to the hydrostatic test pressure of 1576 psig is located. It is therefore impractical to meet the hydrostatic test pressure requirements of Section XI in this situation without major modifications to the discharge piping of the pump. Imposition of the requirement on the licensee would cause a burden that would not be compensated by the increase in plant safety over that provided by the licensee's proposed alternative. The volumetric and surface examinations of the weld will provide sufficient information to assess its structural integrity.

CONCLUSION

Based on the above evaluation, the staff concludes that, pursuant to 10 CFR 50.55a(g)(6)(i), the relief from the hydrostatic test may be granted as requested. The staff has determined that this relief is authorized by law and will not endanger life or property or the common defense and security and is otherwise in the public interest. In granting this relief, the staff has given due consideration to the burden that could result if the requirements were imposed on the facility.

Dated: January 23, 1991

Principal Contributor: G. Johnson

Owner <u>Virginia Electric and Power Co.</u> Name	Date 1-28-91
5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet / of/
Plant Surry Power Station Name	Unit <u>ONE</u>
P.O. Box 315, Surry, VA 23883	WO # 3800 102352 Repair Organization P.O. No., Job No., etc.
Work Performed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
Identification of System CHEMICAL AND VOLUME CON	NTROL

- 5. (a) Applicable Construction Code <u>B31,1</u> <u>19 67</u> Edition, <u>N/A</u> Addenda,<u>N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19 80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
OIL COOLER	BASCO	unknown	N/A	01-CH-E-5B	UNKNOWN	REPLACED	UNKNOWN
OIL COOLER	BASCO	8711504-0101	N/A	01-CH-E-5B	UNKNOWN	REPLACEMENT	UNKNOW

7. Description of Work REPLACE LUBE OIL COOLER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Not rest Temp, Not °F

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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

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
We partify that the statements made in the report are correct and this XMTLAV ENENT conforms to the suite of the
repair or replacement
ASME Code, Section XI.
ype Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration Date N/A
Certificate of Authorization No Expiration Date Expiration Date
signed 4 h. Logert ISE ENG. Date FEB.6
Signed 4/. T. Korul 1.5 2. 2.10. Date 720.6. 19.77
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of VAand employed by <u>HSBI&I Co.</u> ot
HartFord, Cfhave inspected the components described n this Owner's Report during the period12-12-89 to 2-12-92 , and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Dwner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
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shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
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VEDbert T. Coche Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements
Date $1-7$ 19 9

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FORM NIS-2 OWNER	'S REPORT FOR	REPAIRS O	R REPLACEMENTS
As Required by	the Provisions of	the ASME Co	de Section XI

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date 1-28-91
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant Surry Power Station	Unit
	Name P.O. Box 315, Surry, VA 23883	WO # 3800 100973
	Address	Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power	Type Code Symbol Stamp <u>N/A</u>
	Name	Authorization No. <u>N/A</u>
	P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
	Address	
4.	Identification of System CHEMICAL AND VOLUME CON	TROL

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1., N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80

6. Identification of Components Repaired or Replaced and Replacement Components

	Name of Component	Name of Manufactu <i>r</i> er	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ou	COOLER	BASCO	UNKNOWN	N/A	01-CH-E-5A	NKNOWN	REPLACED	NKNOWN
OIL	COOLER	BASCO	8711504-0101	N/A	01-CH-E-5A	7/30/87	REPLACEMENT	unknown
					· _·			

7. Description of Work REPLACE LUBE OIL COOLER

8. Tests Conducted: Hydrostatic Preumatic Nominal Operating Pressure Other Pressure <u>Mo2</u> psi Test Temp, <u>Mo7</u> • F

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

(12/82)

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 repair or replacement SME Code, Section XI. repair or replacement MA Section XI. N/A Section XI. N/A Section XI. MA Section XI. N/A Section Date
We certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the sME Code, Section XI. The code Symbol Stamp N/A The code Symbol Stamp N/A The code Symbol Stamp State Sta
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SME Code, Section XI. repair or replacement /pe Code Symbol Stamp N/A ertificate of Authorization No. N/A gned N/A Owner or Owner's Désignee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of VA
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ertificate of Authorization No. N/A Expiration Date N/A gned Authorization No. N/A Expiration Date N/A Gertificate of Authorization No. N/A Expiration Date N/A Great State
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Province of <u>VA</u> and employed by <u>HSBI&I Co.</u> <u>HarTEard</u> , <u>LT</u> this Owner's Report during the period <u>12-22-92</u> , and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer reall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
$\frac{Har TFord, CT}{12 + 24 - 89} to \frac{1 - 12 - 92}{1 - 12 - 92}$, and state that this Owner's Report during the period <u>12 + 24 - 89</u> to <u>12 - 12 - 92</u> , and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wner's Report in accordance with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the caminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
this Owner's Report during the period $12-32-89$ to $1-22-92$, and state that o the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this wner's Report in accordance with the requirements of the ASME Code, Section X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the caminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
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Inspector's Signature Commissions VA 543
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1.	Owner	Virginia Electric and Power Co.	Date1-28-91
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of /
2.	Plant	Surry Power Station Name	Unit
	<u>P.O.</u>	Box 315, Surry, VA 23883	W0 # 3800 084583 Repair Organization P.O. No., Job No., etc.
3.	Work Perf	formed by <u>Virginia Power</u>	Type Code Symbol Stamp <u>N/A</u> A
	<u>P.0.</u>	Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	ldentifica	tion of System <u>Safery</u> Instarion	
5.		cable Construction Code <u>B31.1</u> 19 <u>67</u> Edition, cable Edition of Section XI Utilized for Repairs or Replacement	

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STUDS È NUTS	ALOYCO	UNKNOWN	N/A	01-5I-25	UNKNOWN	REPLACED	UNKNOWN
STUDS	CARDINAL IND.	44969	N/A	01-51-25	3-10-90	REPLACEMENT	UNKNOWN
NUTS	CARDINAL IND.	44970	N/A	01-5I-25	3-9-90	REPLACEMENT	UNKNOWN
			· -···			· · · · · · · · · · · · · · · · · · ·	

7. Description of Work INSPECT IAW CV PROGRAM/REPLACE STUDS

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>No</u>psi Test Temp. <u>No</u> 6

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

(12/82)

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Remarks	STUDS PO# CSY-290637-1
	Applicable Manufacturer's Data Reports to be attached
	NUTS PO # CSY - 290693-1
. <u> </u>	
	le certify that the statements made in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the e, Section XI.
Type Code S	Symbol StampN/A
	N/A N/A
Certificate o	of Authorization No. N/A Expiration Date N/A
	Def Authorization No. N/A Expiration Date N/A D-h. Nozere ISI ENG. Date Jan. 31 19.91
Signed	wher or Owner's Designee. Title Date Date JAN. 37, 19.77
	CERTIFICATE OF INSERVICE INSPECTION
L the under	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	of VA and employed by HSBI&I Co of
	Hart Ford, Cthave inspected the components described
in this Own	Hart Ford, CThave inspected the components describedhave inspected the components describedhave inspected the components describedhave inspected the components described
	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	port in accordance with the requirements of the ASME Code, Section XI.
	ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	ns and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed
	ble in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	so in any memories any personal injury of property damage of a loss of any kind ansing from of connected with the
V.	Whent J. Coden Commissions VA 543
	Inspector's Signature Commissions VIC STO National Board, State, Province, and Endorsements
Date.	$(-3)_{19} 9/_{11}$

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1.	Owner	Virginia Electric and Power Co Name	Date/-28-91
	5000	Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant	Surry Power Station	Unit
	<u>P.0.</u>	Box 315, Surry, VA 23883 Address	<u>W0 # 3800 076576</u> Repair Organization P.O. No., Job No., etc.
3.	Work Perf	formed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
		Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identifica	tion of System <u>SERVICE</u> WATER	

- 5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>19.80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ORIFICE	VA POWER	NONE	N/A	01-5W-FE-120A	UNKNOWN	REPLACED	UNKNOWN
ORIFICE	HUSSEY (FARMERS)	HEAT \$ 042 Lot \$ A	N/A	01-5W-FE-120A	2-7-89	REPLACEMENT	UNKNOWN

- 7. Description of Work <u>REPLACE</u> ORIFICE PLATE
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>MOP</u> psi Test Temp. <u>MOT</u> °F

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

(12/82)

9. Remarks <u>ORIFICE</u> PO # CSY-227866

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Applicable Manufacturer's Data Reports to be attached

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	CERTIFICATE OF COMPLIANCE
We certify that the statements made ASME Code, Section XI.	e in the report are correct and this <u>REPLACEMENT</u> conforms to the rules of the repair or replacement
ype Code Symbol StampN/A	
Certificate of Authorization No. <u>N/A</u>	Expiration Date N/A
Signed David Diegu Owner or Owner's Designee, Title	IST Enr. Date JAN. 31 , 19-91
	RTIFICATE OF INSERVICE INSPECTION
	lemployed by HSBI&I Coot
	i employed by 100 141 00.
Hartford, Ct.	have inspected the components described
Hartford, Ct. n this Owner's Report during the period—	have inspected the components described
HarTford, CT. n this Owner's Report during the period to the best of my knowledge and belief, the	have inspected the components described / 1-22-89 to 2-22-92, and state that Owner has performed examinations and taken corrective measures described in this
HarTford, Ct. n this Owner's Report during the period to the best of my knowledge and belief, the Owner's Report in accordance with the require	have inspected the components described / 1-22-89 to 2-11-92, and state that Owner has performed examinations and taken corrective measures described in this rements of the ASME Code, Section X1.
HarTford, Ct. n this Owner's Report during the period to the best of my knowledge and belief, the Owner's Report in accordance with the require By signing this certificate neither the Insp	have inspected the components described / 1-22-89 to 2-22-92, and state that Owner has performed examinations and taken corrective measures described in this
HarTford, Ct. In this Owner's Report during the period to the best of my knowledge and belief, the Dwner's Report in accordance with the require By signing this certificate neither the Insp examinations and corrective measures descril shall be liable in any manner for any personal	have inspected the components described / 1-22-89 to 2-22 - 72, , and state that Owner has performed examinations and taken corrective measures described in this rements of the ASME Code, Section X1. pector nor his employer makes any warranty, expressed or implied, concerning the
HarTford, Ct. In this Owner's Report during the period to the best of my knowledge and belief, the Dwner's Report in accordance with the require By signing this certificate neither the Insp examinations and corrective measures descril	have inspected the components described <u>12-22-89</u> to <u>2-22-92</u> , and state that Owner has performed examinations and taken corrective measures described in this rements of the ASME Code, Section X1. pector nor his employer makes any warranty, expressed or implied, concerning the ibed in this Owner's Report. Furthermore, neither the Inspector nor his employer
HarTford, Ct. In this Owner's Report during the period to the best of my knowledge and belief, the Dwner's Report in accordance with the require By signing this certificate neither the Insp examinations and corrective measures descril shall be liable in any manner for any personal	have inspected the components described / 1-22-89 to 2-11-92, and state that Owner has performed examinations and taken corrective measures described in this rements of the ASME Code, Section X1. pector nor his employer makes any warranty, expressed or implied, concerning the ibed in this Owner's Report. Furthermore, neither the Inspector nor his employer al injury or property damage or a loss of any kind arising from or connected with this A
HarTford, Ct. In this Owner's Report during the period to the best of my knowledge and belief, the Dwner's Report in accordance with the require By signing this certificate neither the Insp examinations and corrective measures descril shall be liable in any manner for any personal	have inspected the components described <u>12-22-89</u> to <u>2-22-92</u> , and state that Owner has performed examinations and taken corrective measures described in this rements of the ASME Code, Section X1. pector nor his employer makes any warranty, expressed or implied, concerning the ibed in this Owner's Report. Furthermore, neither the Inspector nor his employer
HarTford, CT. In this Owner's Report during the period to the best of my knowledge and belief, the Dwner's Report in accordance with the require By signing this certificate neither the Insp examinations and corrective measures descril thall be liable in any manner for any personal nspection. Walkert J. Co	have inspected the components described / 1-22-89 to 2-22-92, and state that Owner has performed examinations and taken corrective measures described in this rements of the ASME Code, Section X1. pector nor his employer makes any warranty, expressed or implied, concerning the ibed in this Owner's Report. Furthermore, neither the Inspector nor his employer al injury or property damage or a loss of any kind arising from or connected with this Description of the State, Province, and Endorsements National Board, State, Province, and Endorsements

1.	Owner	Virginia Electric and Power Co. Name	Date 1-18-1991
2.		Dominion Blvd., Glen Allen, VA Address 23060 Surry Power Station Name	Sheet
		Box 315, Surry, VA 23883 Address	<u>3860097118</u> <u>3800097111</u> Repair Organization P.O. No., Job No., etc.
3.		brmed by <u>Virginia Power</u> Name Box 315, Surry, VA 23883 Address	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
4.	Identificati	ion of System SNubber on Main Steam byo	tem

- 5. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Snubber	ITT	_	· • –	1-MS-H45-12	88	Replacement	No
Inubber	Anchor Darling	960	-	1-WEICB-MSS-10	88	Replacement	NO
Hireaded Bar	Anchor Darling Covelinal Ind. Products	_	-	_	88	Replacement	No
	1						

- 7. Description of Work Replace Jubber With New
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp.____°F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

ι.

Remarks <u>P.U. CSY_716709</u> (BARD) \$ SSY -196021 (ITT) \$ CSY_1 Applicable Manufacturer's Data Reports to be attached 	96219
Applicable Manufacturer's Data Reports to be attached	
Were Used to purchase sumbhers.	
CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>keplaument</u> conforms to the rul	los of the
ASME Code, Section XI.	es or the
Tura Cada Surrada Starra N/A	
Type Code Symbol StampN/A	
N/A	
Certificate of Authorization No. N/A Expiration Date N/A Signed A average Jose Jose Jose Date Jan. 18	
a harriel lover IST for Tayle	91
Signed During h. 10 Pure Date Date, 19 Owner of Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and	daha Casas
	O
in this Owner's Report during the period <u>11-11-89</u> to <u>2-11-91</u> , and	
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures descri	ibed in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, cond	-
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his	
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connecte	d with this
inspection.	
Relatif C. D.	
Inspector's Signature Commissions VA 543	
inspector a signature inational board, State, Province, and Endors	Serie IIIS
Date1 - 221991	

1.	Owner Virginia Electric and Power Name	r_Co
	5000 Dominion Blvd., Glen Allen Address	23060
2.	Plant <u>Surry Power Station</u> Name	Unit
	_P.O. Box 315, Surry, VA 23883 Address	<i>Ub [#] 38000 87196</i> Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u>
	P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System Calenicas and	VOLUME CONTROL

- 5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements $19 \underline{80W80}$
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Vacid	LowARS 5	FIG. 36124 F.316T4	NA	1-CH-278	-	RETERCE)	NO
VALVE	ROCENED INT	2558	Na	1-CH-278	10/87	led case mani-	NO

7. Description of Work Researce Unive

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 1.25 x Lesian psi Test Temp. And there "F

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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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

9. Remarks 10# NS-33495	3495 (3	NS-3:	10#	Remarks _	9.
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Applicable Manufacturer's Data Reports to be attached

We certify that the statements made in the report are correct and this <u>Reparatements</u> conforms to the rules of t ASME Code, Section X1.
Type Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed Date JAN. 16
CERTIFICATE OF INSERVICE INSPECTION , the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the source of VA
Hart Ford, CT. have inspected the components description of the components description in this Owner's Report during the period 12-22-89 to 2-22-92, and state
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his empl
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concernin examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emp shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concernin examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emp

1. Owner <u>Virginia Electric and Power Co.</u> Name	Date/10/91
5000 Dominion Blvd., Glen Allen, VA Address 23060	
2. Plant Surry Power Station Name	Unit
P.O. Box 315, Surry, VA 23883	W0 # 3800/04/378 Repair Organization P.O. No., Job No., etc.
3. Work Performed by <u>Virginia Power</u>	Type Code Symbol Stamp_ <u>N/A</u> Authorization No, <u>N/A</u>
P.O. Box 315, Surry, VA 23883 Address	Expiration Date <u>N/A</u>
4. Identification of System Reacted Coocast	

- 5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>80W80</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Tube Panta	INC. Tearing Specieusis,	33929	NA	1-RC-E-1C	1978	REPLACES	مام
L	ار بر مر ا			<u> </u>	1	Į	1

7. Description of Work Repair PLUG

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure _____psi Test Temp, _____° F

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

.

9. Remarks <u>CONTRACT</u> <u>499-00-85-399</u> Applicable Manufacturer's Data Reports to be attached <u>CONTRACT</u> <u>Attached</u> <u>CK-6001-034</u>

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>Representation</u> conforms to the rules	s of the
ASME Code, Section XI. repair or replacement	
Type Code Symbol StampN/A	
Certificate of Authorization No. N/A Expiration Date N/A	
Signed A. h. Joseph ISE ENG. Date Jaw. 10, 19,	91
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 VAand employed by HSBI&I Co.	of
Hart Ford, CT have inspected the components of	described
in this Owner's Report during the period $12-32-89$ to $2-11-92$, and s	
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures describe Owner's Report in accordance with the requirements of the ASME Code, Section XI.	ed in this
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, conce	rnina the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his	-
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected	with this
inspection. Robert L. Coler commissions VA 543	
Inspector's Signature Rfe National Board, State, Province, and Endorse	ments
Date $1 - 10 - 19 9 - 91$	

1.	Owner <u>Virginia Electric and Power Co.</u> Name	Date90
2	5000 Dominion Blvd., Glen Allen, VAAddress23060PlantSurry Power Station	Sheet
2,	P.O. Box 315, Surry, VA 23883 Address	UIO # 38 00103100 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
4.	P.O. Box 315, Surry, VA 23883 Address Identification of System Reactor Coccast	Expiration Date <u>N/A</u>

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

5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stenn Gewelande Tube Youlds	Tooling Specific- 1575, INC.	32879 33925	N.lg.	1-RC-E-12	1978	REPAREd	y£5
				· · · · · · · · · · · · · · · · · · ·			

7. Description of Work Pruse Tube Sublet wither Two TUBES WERE REMOVED

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. F

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

(12/82)

FORM NIS-2 (Back)

9. Remarks <u>Tubt locarrious</u>: R10, C53 (30879); Applicable Manufacturer's Data Reports to be attached R25, C57 (31) 92.5)

	ATE OF COMPLIANCE ort are correct and this <u>REPAIR</u> conforms to the rules of the
ASME Code, Section X1.	repair or replacement
Type Code Symbol StampN/A	
Certificate of Authorization No. N/A	Expiration Date <u>N/A</u>
Signed <u>A. Azerni IST En</u> Owner or Owner's Designee, Title	Expiration Date <u>N/A</u> GINEEL Date <u>Novended 15</u> , 19 <u>9</u>
	E OF INSERVICE INSPECTION the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of VA and employed b	by HSBI&I Co.
Hartford, Ct.	have inspected the components described $\frac{12}{22}/89$ to $\frac{2}{12}/93$, and state that
in this Owner's Report during the period	12/22/89to2/12/92, and state that
	$\frac{2}{22}$, and state that performed examinations and taken corrective measures described in this
	performed examinations and taken corrective measures described in this
to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of the By signing this certificate neither the Inspector nor h	performed examinations and taken corrective measures described in this he ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the
to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of the By signing this certificate neither the Inspector nor f examinations and corrective measures described in this	performed examinations and taken corrective measures described in this he ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the Owner's Report. Furthermore, neither the Inspector nor his employer
to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of the By signing this certificate neither the Inspector nor h examinations and corrective measures described in this shall be liable in any manner for any personal injury or p	performed examinations and taken corrective measures described in this he ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the
to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of the By signing this certificate neither the Inspector nor f examinations and corrective measures described in this	performed examinations and taken corrective measures described in this he ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the Owner's Report. Furthermore, neither the Inspector nor his employer
to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of the By signing this certificate neither the Inspector nor he examinations and corrective measures described in this shall be liable in any manner for any personal injury or perinspection.	performed examinations and taken corrective measures described in this he ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the Owner's Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with this
to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of the By signing this certificate neither the Inspector nor he examinations and corrective measures described in this shall be liable in any manner for any personal injury or perinspection.	performed examinations and taken corrective measures described in this he ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the Owner's Report. Furthermore, neither the Inspector nor his employer
to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of the By signing this certificate neither the Inspector nor he examinations and corrective measures described in this shall be liable in any manner for any personal injury or perinspection.	performed examinations and taken corrective measures described in this he ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the Owner's Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with this

1.	Owner UA. POWEN Name 5000 Dominion Blvd. Glan Allen VB. Address	Date
2.	Plant Surry power station <u>Address</u> Plant Surry power station <u>Name</u> <u>P. U. Box 315 Surry MB. 23883</u> <u>Address</u>	Unit_1 DCP-87-28
3.	Work Performed by 1/12. Pri 27 Name	Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp <u>ル</u> A Authorization No. <u>レ</u> A Expiration Date <u>レ</u> A
4.	Address Identification of System <u>Compresent</u> Coslant System	(e. c) Uns z)
5.	(a) Applicable Construction Code <u>B31.1</u> 19 <u>67</u> Edition,	NAAddenda,NACode Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 近 い

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)
Heat Exchanger	YUBA	87-9-433-214	ju A	1-11-E-1A	NA	Replaced	NA
Heit Globonger	YUBA	89-61-433-2B	NH	1-50-E-1B	NA	Replaced	NA
					-		
,							

7. Description of Work Replace Hent Exchanger B3 per Dy - 42-23

8. Tests Conducted: Hydrostatic X Pneumatic Nominal Operating Pressure Other Pressure <u>18881 ec 5:48</u> Fisi Test Temp. <u>No 7</u> F

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

(12/82)

FORM NIS-2 (Back)

	Remarks P.U. BET- 153547
	Applicable Manufacturer's Data Reports to be attached
	· · · · · · · · · · · · · · · · · · ·
_	
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>[cplacement]</u> conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp
	Type Code Symbol Stamp
	Certificate of Authorization No
	Signed Dit - Logent ISI ENGWEER Date 12-14, 19 90 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 μ and employed by μ and employed by μ of
	in this Owner's Report during the period (1-11-89 to 1-11-91, and state that
	to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
	inspection.
	Inspector's Signature Commissions Va 543 National Board, State, Province, and Endorsements
	Date12-141990

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-		
1.	Owner Virginia Electric and Power Co. Name	Date 12/2/90
	5000 Dominion Blvd., Glen Allen, VA	Sheet of
	Address 23060	
2.	PlantSurry Power Station	Unit Owe
	Name	# 754
	P.O. Box 315, Surry, VA 23883	EWR. 89-145, WO # 3800099837 dure,
	Address	Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power	Type Code Symbol Stamp <u>N/A</u>
	Name	Authorization No. N/A
	P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
	Address	
4.	Identification of System CONTRINGENT SPRAY	

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

- 5. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section X1 Utilized for Repairs or Replacements 19 80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
BONNET BOLTS CNECK VALUE	CARSINIAL IND. TRESMORS, INC.	46512	Nla	1-05-13	9/80	Referencesion	ND
					<u> </u>		

7. Description of Work REPLACE BOWNET BOLTS (OPEN & INSPECT VALVE)

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 4.5 psi Test Temp. Ambiliant °F

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

(12/82)

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FORM NIS-2 (Back) 9. Remarks $5r_{ub}$ $Po \# C_{S} \neq 3.16249$ (2) Applicable Manufacturer's Data Reports to be attached

	TIFICATE OF COMPLIANCE
We certify that the statements made in the ASME Code, Section XI.	e report are correct and this <u>KENCLALAT</u> conforms to the rules of the repair or replacement
Type Code Symbol StampN/A	
Certificate of Authorization NoN/A	Expiration Date <u>N/A</u>
	Eugineel Date Die. 10, 1990
CERTIF	
, the undersigned, holding a valid commission issue	d by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of <u>VA</u> and emplo	oyed by <u>HSBIGI Co.</u> of
n this Owner's Report during the period	have inspected the components described /1-11-87 to 2-11-72, and state that
	er has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirement	ts of the ASME Code, Section XI.
By signing this certificate neither the Inspector	nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in	n this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injur	$m{\gamma}$ or property damage or a loss of any kind arising from or connected with this
inspection.	
What I Poden	Commissions <u>VA 543</u>
Inspector's Signature	National Board, State, Province, and Endorsements

_			
1.	Owner	Virginia Electric and Power Co Name	Date DEC. 2, 1990
	5000	Dominion Blvd., Glen Allen, VA	Sheet of
2.	Plant	Address 23060 Surry Power Station Name	Unit_Owe
	<u>P.O.</u>	Box 315, Surry, VA 23883 Address	DC8D-30 Repair Organization P.O. No., Job No., etc.
3.	Work Perf	ormed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u>
	P.O.	Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
4.	Identifica	tion of System CHEMICAL AND VOLUME	Controc

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

- 5. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
GATE VALUE	Vern	B08-2054B- 13 M 5	NA	1-CH-455	1988	<u>Ll}acement</u>	NO

7. Description of Work ADD NEW MANUAL ISOLATION VALVE (DESIGN CHANGE)

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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.

(12/82)

FORM NIS-2 (Back)

	Applicable Manufacturer's Data Reports to be attached
	· · ·
	CERTIFICATE OF COMPLIANCE
We cert ASME Code, Sect	ify that the statements made in the report are correct and this <u>Levereneur</u> conforms to the rules of the repair or replacement
Type Code Symbo	N StampN/A
Certificate of Aut	norization NoN/AExpiration DateN/A
Signed	h. horen ISI ENGINEER Date DEC. 2 , 19.20
	CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned or Province of	, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	Hart Ford, CThave inspected the components described
	Report during the period <u>(1-28-89 to 2-11-91</u> , and state that
	knowledge and belief, the Owner has performed examinations and taken corrective measures described in this accordance with the requirements of the ASME Code, Section X1.
By signing this	s certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
shall be liable in a	corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	bet f. Cole commissions VA 543
	Inspector's Signature Commissions VA 545 National Board, State, Province, and Endorsements

As Required by the Provisions of t	he ASME Code Section XI
1. Owner <u>Virginia Electric and Power Co.</u> Name	Date 12/2/30
5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2. Plant Surry Power Station	Unit $O_{\mathcal{N}\mathcal{L}}$
Name	012/2/40
_P.O. <u>Box 315</u> , Surry, VA 2 <u>3883</u>	"Lut DC 87-30
Address	Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power	Type Code Symbol Stamp <u>N/A</u>
Name	Authorization No. <u>N/A</u>
P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
4. Identification of System Colored AND Volume Co	PAJTROL

- 5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE		·	Na	1-CH-TV-1204	UNIT NOW N	Reparces	UNRICUL)
Pijing		-	- Ma	Nont	LAAI TEAGUNA		U A ^{IK} ADWE
VALUE	Copes-Viecan, In	8820-97279-	NA	1- CH-TV-1201	1988	REZACEMENT	GVI
Pipina	Hub, INC.	VARIOUS	NA	NONE	11	Leicocenzur	

- 7. Description of Work_____
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 750 psi Test Temp. <u>AMÖIZNY</u> F

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

(12/82)

FORM NIS-2 (Back)

9. Remarks VALUE PO # BNT 172991 Applicable Manufacturer's Data Reports to be attached Piping PO# CSY-191376 & CSY 321292

CERTIFICATE OF C	OMPLIANCE	
We certify that the statements made in the report are corr ASME Code, Section XI.	ect and this <u>Republic rep</u> conforms to the rules of t repair or replacement	10
Type Code Symbol StampN/A		
Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>	
	Date Dec, 2, 19 90	,
CERTIFICATE OF INSE		tate
or Province of VAand employed by HSE	BIEI Co.	of
HartFord, Cf in this Owner's Report during the period 12-1	have inspected the components descr 1-89 to 1-11-98, and state	bed that
to the best of my knowledge and belief, the Owner has performed		
Owner's Report in accordance with the requirements of the ASME (,	
By signing this certificate neither the Inspector nor his employ examinations and corrective measures described in this Owner's		
shall be liable in any manner for any personal injury or property da		
Inspection. Robert J. Code- Inspector's Signature		

	As Required by the Provisions of the	e ASME Code Section XI
1.	Owner Virginia Electric and Power Co. Name	Date
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet of
2.	Plant <u>Surry Power Station</u> Name	Unit ONE
	P.O. Box 315, Surry, VA 23883 Address	Ewk 89-30) Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>Virginia Power</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.O. Box 315, Surry, VA 23883	Expiration Date N/A
4.	Identification of System Aux FESWATER	
5.	(a) Applicable Construction Code <u>B31.1</u> _19 <u>67</u> Editio	n, <u>N/A</u> Addenda, <u>N-1, N-7</u> Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VACUL	Waenoera		NA	1-1w-mai-151 &		Réparces	
VALVE	WALWORTH		NA	1-FW-MON-151 F		Riperce)	-
VALVE	Vecon	888638	NA	1-1-101-151E	1988	REPALENENT	NO
Vaule	VELAN	888635	/	1-FW-MON-151 F	1988	Pereneway	NO
7. Description of Worl	Repence	VALVES	And A	SSOCIATES		6	
8. Tests Conducted:	· _/	neumatic 🗌 No	ominal Operating	Pressure	/		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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.

(12/82)

FORM NIS-2 (Back)
Remarks UALUE PO# CNT-188603(1); 3'P.J. PO# CSY-128863(
Applicable Manufacturer's Data Reports to be attached
2 Pije POT CSY-317989 (8); 2/2" Pije POT 308501 6
3° P. v. PO# 35238 (~)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this <u>lipentime</u> conforms to the rules of the repair or replacement
ASME Code, Section X1.
Type Code Symbol StampN/A
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Signed W. J. logal ISt Enginet Date Nov. 27 , 19.20
Signed <u>VIII TOTOL</u> , 19-20
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of <u>VA</u> and employed by <u>HSBI&I Co</u> or <u>Hartford</u> , <u>Ct</u> have inspected the components described
in this Owner's Report during the period <u>12-12-89</u> to <u>2-12-91</u> , and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employe
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
ON + P Coden
Commissions VA 543Commissions National Board, State, Province, and Endorsements
National Board, State, Province, and Endorsements
Date1/-2719.90
Date//~~/19_70

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1. Owner <u>Virginia Electric and Power Co.</u> Name	Date 11/27/92
5000 Dominion Blvd., Glen Allen, VA Address 23060 2. Plant Surry Power Station	Sheet of
Name P.O. Box 315, Surry, VA 23883 Address	Edil 89-3>7 Repair Organization P.O. No., Job No., etc.
3. Work Performed by <u>Virginia Power</u> Name P.O. Box 315, Surry, VA 23883	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Address 4. Identification of System Aux, FEEDWATER	

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

- 5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, <u>N/A</u> Addenda,<u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.80W80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Vaul	WALNDETH	_	NIA	1-FW-00-151C.		Repences	_
VALIE	WALWDETA	-	NA	1-FW-MON-1518	-	REJancei)	
VAULE	VEGAN	888634	Na	1-14-000-1510	1988	REPLACE MENT	NO
VALVE	VELAN	888637	N/A.	1-FW-MON-1510	1988	REFERENTENS	NO

- 7. Description of Work_
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure /4/25 psi Test Temp. /20 °F

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

(12/82)

,	FORM NIS-2 (Back)
Remarks	aute PO# CNT-188603(1); 3" Pije PO# C34-178963 (1)
~ *) :	Applicable Manufagturer's Data Reports to be attached Z PO = (S - 317999(8); Z'/2' Pizz Po = 308501(6);
_ <u></u>	2 POT (59-311919(8); 2/2 Pipe POT 308501(6);
3' /.	pe po# 35239(5)
<u> </u>	
	CERTIFICATE OF COMPLIANCE
We ce	sertify that the statements made in the report are correct and this <u>keyenceneur</u> conforms to the rules of the
ASME Code, Se	ection XI. repaír or replacement
Type Code Sym	nbol StampN/A
Certificate of A	Authorization No. N/A Expiration Date N/A
	. f. logen ISI ENGINER Date Nod, 27 , 19 Ed
Signed Owne	er of Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the undersign or Province of	ned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Ы	last Ford. Ct have inspected the components described
in this Owner's	Artford, Cfhave inspected the components described 's Report during the period 12-22-89_toto, and state that
	my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report	rt in accordance with the requirements of the ASME Code, Section XI.
	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 in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	
\bigcap	D + P P D
10	Veri J. Coden Commissions_VA 543
	Inspector's Signature National Board, State, Province, and Endorsements
Data	11-27 10 90
Date	

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1.	Owner Virginia Electric and Power Co.	Date
	5000 Dominion Blvd., Glen Allen, VA Address 23060	Sheet
2.	Plant <u>Surry Power Station</u> Name	Unit_OWE
	P.O. Box 315, Surry, VA 23883 Address	Eall \$9-377 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by Virginia Power Name	Type Code Symbol Stamp <u>N/A</u>
	P.O. Box 315, Surry, VA 23883	Expiration Date <u>N/A</u>
4.	Address Identification of System <u>Hux</u> <u>FEE</u> Julean	
5.	(a) Applicable Construction Code <u>B31.1</u> 19 <u>67</u> Editi	on, N/AAddenda, <u>N-1, N-7</u> Code Case

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 $\underline{80W80}$

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	WAGWORTA	- <u></u> -	NA	1-FW-001-151A		RETERCEN	-
Vacue	WALLORTH	_	NA	1-1-2-10-1-151B		Reparet)	
VALVE	VELAN	888636	NA	1-1w-000-151A	1988	REFERGEMENT	NO
Varia	VELAN	888633	NA	1-4401-1518	1988	RESERVENN	NO
7. Description of Work	RepLAL	VALVES A	ND ASSOC	mer) p.p.	5		
		ieumatic 📃 No	ominal Operating	g Pressure			

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

(12/82)

arks \sqrt{ABUK} PO # C NT - 188603 (.) : 3 ¹ NSE, PO # CSY-198963(Applicable Manufacturer's Data Reports to be attached 2 ² P. j. PO # CSY 317999(8); 2 /2 * PSE PO # 308501(6); 3 ¹ P. j. PO # 35235(5) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>Contention</u> conforms to the rules of the repair or replacement Code Symbol Stamp N/A ficate of Authorization No. N/A Expiration Date N/A ficate of Authorization No. N/A Expiration Date N/A MA Expiration Date N/A MA Expiration Date N/A MA MA MA MA MA MA MA MA
2 Price Pott Cs y 317999(s); 2:12 Price Pott 308501(c); 3 Price Pott 35235(s) 4 Price Price Pott 35235(s) 4 Price Price Pott 35235(s) 4 Price Price Price Pott 35235(s) 4 Price Price Price Price Price 4 Price Price Price Price Price Price 4 Price Price Price Price Price Price Price 4 Price Price Price Price Price Price Price Price
3* Pipt Po# 3523\$(5) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this Content of conforms to the rules of the repair or replacement N/A IE Code, Section XI. N/A ficate of Authorization No
We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and the statement of
We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and the statement of
We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and the statement of
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We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and the statement of
We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and this We certify that the statements made in the report are correct and the statement of
IE Code, Section XI. repáir or replacement P Code Symbol Stamp N/A ficate of Authorization No. N/A Expiration Date N/A ed N/A Detection Date N/A ed Owner or Owner Designee, Title CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State rovince of VA
Code Symbol Stamp N/A
ficate of Authorization No. N/A Expiration Date N/A ed Owner or Owner Designee, Title Date Nov. 27, 19.90 CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State rovince of VA and employed by HSBI&I Co of
ficate of Authorization No. N/A Expiration Date N/A ed Owner or Owner Designee, Title Date Nov. 27, 19.90 CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State rovince of VA and employed by HSBI&I Co of
ficate of Authorization No. N/A Expiration Date N/A ed D. L. Loccellow ISL Engineer, Date Nov. 27, 19.90 Owner or Owner Designee, Title CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State rovince of VAand employed by HSBI&I Coof
Date of Authonization No. ISE Exclanded. Date Noul. 20 , 19 90 Owner or Owner O Owner Owner Owner O Owner O Owner O Owner O Owner O Owner
CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VAand employed by
CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VAand employed by
CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VA
e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of <u>VA</u> and employed by <u>HSBI&I Co</u> of
ovince of <u>VA</u> and employed by <u>HSBI&I Co.</u> of
HarTFord, CT have inspected the components described his Owner's Report during the period 11-11-90 to 1-12-92, and state that
e best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
er'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, expressed or implied, concerning the
ninations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
\wedge
Cobent J. Coden Commissions_ VA 543
Inspector's Signature National Board, State, Province, and Endorsements
11 - 27 19. 90

	As Required by the Provisions of the ASME Code Section XI						
1.	Owner VIRGINIA ELECTRIC AND POWER CO	Date8/13/90					
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address						
2.	Plant <u>SURRY POWER STATION</u> Name	Unit_ONE					
	P.O. BOX 315, SURRY, VA 23883	W0 # 3800097356 Repair Organization P.O. No., Job No., etc.					
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u>					
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>					
4.	Identification of System Component Cooking	······································					

5. (a) Applicable Construction Code___B31_1___19_67__Edition, N/A____Addenda, N-1, N-7___Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MANNARY BOLTS			NA	1-cc-E-/c	(As to whente	Reportsi)	NO
MANWAY SOLTS	Ar 6 ENGINELAING	0611/230	NA	1-cc-E-1C	1989	fl}cacladev1	NO
					<u>+-</u>		<u> </u>

7. Description of Work REPEACE CASSELEUS I AT A TIME

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

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

	FORM NIS-2 (Back) $PO \stackrel{\text{#}}{=} C3 + 292 928 (,)$
R	emarks 70 CSY 292 728 () Applicable Manufacturer's Data Reports to be attached
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_	
	CERTIFICATE OF COMPLIANCE
۵	We certify that the statements made in the report are correct and this <u>Perod</u> ed and the rules of t repair or replacement
т	ype Code Symbol StampN/A
С	ertificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
s	igned U-4 103 color 19 90 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S r Province of <u>VA</u> and employed by <u>HSBI & I CO</u>
	HARTFORD, CT
	this Owner's Report during the period $12 - 32 - 37$ to $12 - 32 - 73$, and state the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
	wher's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
	xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his empl Nall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
	Reat P Poper 1/2 543
_	Inspector's Signature Commissions Var 95
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	As Required by the Provisions of the A	ASME Code Section XI
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO.</u> Name	Date
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of
2.	Plant SURRY POWER STATION Name	Unit_One
	P.O. BOX 315, SURRY, VA 23883 Address	WO # 38000 85 416 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>
4.	Identification of System Stavice Watth	

- 5. (a) Applicable Construction Code <u>B31.1</u> 19 67 Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 50 480
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUD) (20 CA)	HENRY PRATT	7-2472-5-R	NA	1-5W-40V- 105 1	[REPLACES	NO
Nurs (404A)	HENRY PERSTY BANK HENDEN PERSTY	40 0 44 7 0 21 - B4	Nla	1-5w-40V- 105 D		REPLACED)	~0
	કાંત્રલ	ð					
STU:) (20 Em)	IND. PRODUCTS	44049-1	NA	1-5W-40J- 105 b	1989	RESIACUL	NO
Nur (40 24)	Casdival	44049-2	~/~	1-5W-040V- 105D	1983	,	NO
7. Description of Work	Researce	E Studs	6 N	UTS ONE	AT	A TIME	
8. Tests Conducted:	·		minal Operating Test Temp	Pressure			

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

FORM NIS-2 (Back) 9. Remarks <u>Speed</u> Po # <u>CSY262358</u> (z) Applicable Manufacturer's Data Reports to be attached <u>Ny - Pott</u> <u>CSY 262358</u> (4)

CERTIFICATE OF	COMPLIANCE
We certify that the statements made in the report are co ASME Code, Section XI.	prrect and this <u>Retranctanter</u> conforms to the rules of the repair or replacement
Type Code Symbol Stamp <u>N/A</u>	
Certificate of Authorization NoN/A	Expiration Date <u>N/A</u>
Signed Owner or Owner's Designee, Title	Date <u>Aug. 15</u> , 19.80
CERTIFICATE OF IN	SERVICE INSPECTION
or Province of <u>VA</u> and employed by <u>HS</u>	
<u>HARTFORD</u> , CT in this Owner's Report during the period/クータ	have inspected the components described
to the best of my knowledge and belief, the Owner has perform	
Owner's Report in accordance with the requirements of the ASM	E Code, Section XI.
	oyer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner' shall be liable in any manner for any personal injury or property.	
inspection.	
Probert J. Coden comm	issions Va 543
inspector's Signature	National Board, State, Province, and Endorsements

	FORM NIS-2 OWNER'S REPORT FOR REP As Required by the Provisions of the A	····
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO</u> Name <u>5000 DOMINION BLVD., GLEN ALLEN, VA 230</u> 60 Address	Date 2/3/90
2.	Plant <u>SURRY POWER STATION</u> Name	Unit
	P.O. BOX 315, SURRY, VA 23883 Address	
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>
4.	Identification of System CHARGING	

5. (a) Applicable Construction Code <u>B31.1</u>
 19.67 Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>80 at 87</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Luge où coosek	BASCO	939- 3810102	,u /a	1-CH-E-SA		lefuncarest	~0

REPEACE LUBE ON COOLER 7. Description of Work_

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 55 psi Test Temp. <u>#01</u> °F

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

(12/82)

Remarks	hube oil could for 54-15337 (1)
	Applicable Manufacturer's Data Reports to be attached
	· _ · · · · · · · · · · · · · · · · · ·
	CERTIFICATE OF COMPLIANCE
W	e certify that the statements made in the report are correct and this <u>Resence of the conforms</u> to the rules of the
ASME Code	e, Section XI. repair or replacement
Type Code §	Symbol StampN/A
Certificate o	f Authorization No. N/A Expiration Date N/A
Signed &	1)- f. loger IST Eng. Date Jucy 3 19 80
SignedŽ Ov	when or Owner Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the unders or Province	signed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of <u>VA</u> and employed by <u>HSBI & I CO</u> of
HARTFO	RD, CT have inspected the components described
in this Own	ver's Report during the period $(2-32-39)_{to}$ $(2-32-92)_{to}$, and state that
to the best	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
	port in accordance with the requirements of the ASME Code, Section XI.
	ng this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	is and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer ile in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	
() a + P P A
(J	Inspector's Signature Commissions Va 543 National Board, State, Province, and Endorsements
	Inspector's Signature National Board, State, Province, and Endorsements
Date.	1 - 3 10 /D

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FORM NIS-2 (Back)

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	As Required by the Provisions of the	ASME Code Section XI
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO.</u> Name	Date5/7/90
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060	Sheet of
2.	Plant SURRY POWER STATION Name P.O. BOX 315, SURRY, VA 23883 Address	Unit <u>Owf</u> <u>Jesign Cymre 87-29 (P6, U2)</u> FC32 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>
4.	Identification of System Composition Contraction	······································

5. (a) Applicable Construction Code___B31.1____19_67__Edition, N/A_____Addenda, N-1, N-7___Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 $\frac{g0}{20}$

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of . Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
16 MANWAY STUDS			-	1-CC-E-12		Repended	NO
16 Manuay sous 32 Manuay Nurs				1-00-6-11)		Repence)	NO
				· · · · · · · · · · · · · · · · · · ·		 	

7. Description of Work_ REPEACE MANURY 57405

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Not psi Test Temp. Not F

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

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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FORM NIS-2 (Back) 9. Remarks $5\pi 4$ PO# CSY - 267358 (4) Applicable Manufacturer's Data Reports to be attached Nut PO# CSY - 279962 (2)

	ATE OF COMPLIANCE Int are correct and this <u>Elevencianter</u> conforms to the rules of the repair or replacement
Type Code Symbol Stamp <u>N/A</u>	
Certificate of Authorization NoN/A	Expiration Date <u>N/A</u>
Signed D. L. Rogue TSI Luc Owner or Owner's Designee, Title	Burill Date May 7

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat	te
or Province ofVAand employed byHSBI & I_COc	of
HARTFORD, CT have inspected the components describe	d
in this Owner's Report during the period $12 - 22 - 89$ to $12 - 22 - 92$, and state the	at
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in th	is
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning th	۱e

examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this

inspection Inspector's Signature Commissions Va. 543 National Board, State, Province, and Endorsements 6-18 19.90 Date

_	As Required by the Provisions of the A	ASME Code Section XI
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO.</u> Name	Date5/7/90
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of
2.	Plant SURRY POWER STATION Name	Unit
	P.O. BOX 315, SURRY, VA 23883 Address	Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>VIRGINIA POWER</u>	Type Code Symbol Stamp <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>
4.	Identification of System SERVICE WATER	

- 5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>S0 wt</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Suction Beck Housing	Вінбнал	VOOIZ	_	1-5W-7-1A		Repeacement	NO
1 ×2/2 Nipple	BINGHAN Gure & Alesreen Bouney Forge Dil.	19928		1-5W-p-1A	_		NO

7. Description of Work Remove Dury For VENDOL REPAR

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp. <u>Mor</u> F

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



FORM NIS-2 (Back) 9. Remarks $\frac{S_{4CTION}}{X^2/2} \xrightarrow{BELL} HOUSSING POH SY-10506 (1)}$ Applicable Manufacturer's Data Reports to be attached $1^{2}X^{2}/2^{4}$ Nipper POH SY-06056 (70)

Type Code Symbol Stamp <u>N/A</u> Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	CERTIFICA	TE OF COMPLIANCE
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u> Signed <u>J. Horgan</u> <u>TST brance Date May 2</u> , 19 <u>20</u> CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>VA</u> and employed by <u>HSBI & I CO</u> <u>have</u> inspected the components described in this Owner's Report during the period <u>12-22-91</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>August</u> <u>J. Code</u> <u>Inspector's Signature</u> <u>Commissions</u> <u>Mag 43</u> . National Board, State, Province, and Endorsements	We certify that the statements made in the report ASME Code, Section XI.	
Signed Difference IST because Date May 2, 19 20 Owner or Owkler'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 VA	Type Code Symbol StampN/A	
Owner or Owlfer'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 VA	Certificate of Authorization NoN/A	Expiration Date <u>N/A</u>
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VAand employed by <u>HSBI & I CO</u> have inspected the components described in this Owner's Report during the period/2-AA-29tohave inspected the components described in this Owner's Report during the period/2-AA-29to, 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. 	Signed D.L. August ISI En Owner or Owner's Designee, Title	<u>VSINEER Date MAY 7, 19 20</u>
or Province of <u>VA</u> and employed by <u>HSBI & I CO</u> of <u>HARTFORD</u> , <u>CT</u> have inspected the components described in this Owner's Report during the period <u>12-22-9</u> to <u>12-22-9</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Mathematical Commissions: <u>Va 743</u> Inspector's Signature Commissions: <u>Va 743</u> National Board, State, Province, and Endorsements	CERTIFICATE	OF INSERVICE INSPECTION
<u>HARTFORD, CT</u> in this Owner's Report during the period <u>12-22-92</u> to <u>12-22-92</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>A.J. Code</u> Inspector's Signature Commissions: <u>Va 543</u> National Board, State, Province, and Endorsements		
in this Owner's Report during the period $12-22-92$ to $12-22-92$, 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.		
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.	in this Owner's Report during the period	2 - 22 - 92 and state that
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 this inspection.	Owner's Report in accordance with the requirements of th	e ASME Code, Section XI.
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. <u>Pole 1</u> , <u>Cole</u> Inspector's Signature <u>Commissions</u> <u>Va 543</u> National Board, State, Province, and Endorsements	By signing this certificate neither the Inspector nor h	is employer makes any warranty, expressed or implied, concerning the
inspection. <u>Polert J. Cole</u> Inspector's Signature Commissions <u>Va 543</u> National Board, State, Province, and Endorsements	examinations and corrective measures described in this	Owner's Report. Furthermore, neither the Inspector nor his employer
Polert J. Cole Commissions: Va 543 Inspector's Signature National Board, State, Province, and Endorsements	shall be liable in any manner for any personal injury or p	roperty damage or a loss of any kind arising from or connected with this
6-8 -90	Robert J. Coch	Commissions Va 543
Date $5-8$ 19 90	Inspector's Signature	National Board, State, Province, and Endorsements
	Date 5-8 19-90	

	As Required by the Provisions of the A	ASME Code Section XI
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO</u> Name	Date MAY 7, 1996
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet
2.	Plant SURRY POWER STATION Name	Unit_ONE
	P.O. BOX 315, SURRY, VA 23883	100#38000 23583 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System <u>FEED WATER</u>	

- ____19_67__Edition, <u>N/A</u>____Addenda, <u>N-1, N-7</u>__Code Case 5. (a) Applicable Construction Code <u>B31.1</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 804 80
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	_		_	1-FW-276	-	Repusced	NO
Stads Nuts				1-FW-276 1-FW-276	_		ON

7. Description of Work_

REPAIR VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure_____psi Test Temp.

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

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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FORM NIS-2 (Back) 9. Remarks 57435 70 # CSY - 206024(5-)Applicable Manufacturer's Data Reports to be attached Nats PO# SSY - 224228(3)

We certify that the st ASME Code, Section XI.	CERTIFICATE OF COMPLIANCE tements made in the report are correct and this <u>Pelestimeter</u> conforms to the rules of the repair or replacement
ype Code Symbol Stamp	N/A
ertificate of Authorization No ligned <u>L. Joseph</u> Owner or Owner's De	IST ENGINEER Date MAY 2 19 20
	CERTIFICATE OF INSERVICE INSPECTION
,	d commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
HARTFORD, CT	have inspected the components described

in this Owner's Report during the period 12 - 22 - 89 to 12 - 12 - 92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

inspection Inspector's Signature Commissions Va 543 National Board, State, Province, and Endorsements 5-8 19 90 Date.

	As Required by the Provisions of the	ASME Code Section XI
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO</u>	Date 4/24/90
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of
2.	Plant <u>SURRY POWER STATION</u> Name	Unit_ONE
	P.O. BOX 315, SURRY, VA 23883 Address	
3.	Work Performed by <u>VIRGINIA POWER</u>	Type Code Symbol Stamp <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System (HEMICAL AN) VOLUME Cons	chol

5. (a) Applicable Construction Code_B31.1___19.67_Edition, N/A____Addenda, N-1, N-7_Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_____

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stads		-	_	1-CH- MOV- 1267A		Referces,	NB
Nurs				1-CH-400- 1267A	-	Referces,	NO
						, ·	
						<u> </u>	

7. Description of Work REPLACED BONNET BOLTING ONE AT A TIME)

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

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

Remar	ks <u>Sraj</u>	PO#		
	Nar	- >0#	Applicable Manufacturer's Data Reports to be attached	
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			· · · · · · · · · · · · · · · · · · ·	
			· · · · · · · · · · · · · · · · · · ·	

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ASME Code, Section X1.	repair or replacement
Type Code Symbol StampN/A	
Certificate of Authorization NoN/A	Expiration Date <u>N/A</u>
Signed Owner or Owner's Designee, Title	ISI ENG. Date April 24 , 19.90

CERTIFICATE OF INSERVICE INSPECTION

or Province of <u>VA</u> and employed by <u>HSBI & I CO</u> of
HARTFORD, CT have inspected the components described
in this Owner's Report during the period/1/28/89totototo
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.
Valent & Coder maine 1/2 543
Inspector's Signature National Board, State, Province, and Endorsements
11 - 116 and

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	As Required by the Provisions of the ASME Code Section XI						
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO.</u> Name	Date4/2.4/90					
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of					
2.	Plant SURRY POWER STATION Name	Unit_ONE					
	P.O. BOX 315, SURRY, VA 23883 Address	00# 3800076450 Repeir Organization P.O. No., Job No., etc.					
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol StampN/A Authorization NoN/A					
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>					
4.	Identification of System Kencrok Coocaut						

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> <u>Addenda, N-1, N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_____

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs		_	_	1-RC-HCV-1556B		REPLACE)	NO
Studs Nurs				I-AC-HLV-1556B		REPENCED	NO

7. Description of Work OVERHAUL VALLE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 2335 psi Test Temp. 547 °F

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

FORM NIS-2 (Back) 9. Remarks <u>Strad</u> PO <u>E</u> SS <u>4</u> 1965<u>4</u>9 (1) Applicable Manufacturer's Data Reports to be attached Nat PO <u>E</u> S<u>4</u> 138073 (2)

CERTIFICATE OF COMPLIANCE						
We certify that the statements made in the report are correct and this <u>PELACCHART</u> conforms to the rules of the ASME Code, Section XI.						
Type Code Symbol StampN/A						
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>						
Signed D. Placent IST ENG. Date April 24 19.20						
CERTIFICATE OF INSERVICE INSPECTION						
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>VA</u> and employed by <u>HSBI & I CO</u> of <u>HARTFORD</u> , <u>CT</u> have inspected the components described						
Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the						
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 J. Coder Commissions Va543						
Inspector's Signature National Board, State, Province, and Endorsements						
Date $4 - 24$ 19 90						

	FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI					
1.	Owner VIRGINIA ELECTRIC AND POWER CO	Date 3/15/90				
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of				
2.	Plant <u>SURRY POWER STATION</u> Name	Unit				
	P.O. BOX 315, SURRY, VA 23883	<i>WO[#] 3800083355</i> Repair Organization P.O. No., Job No., atc.				
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp N/A Authorization No. N/A				
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>				
4.	Identification of System					

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> <u>Addenda, N-1, N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>F0 *WF*0</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Seriał No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs + Nurs	<u> </u>		_	FLONGE	_	Respinces	NO
Studs + Nuts				FLANGE		Legeneed	NO
STUDS + NUTS				FERNERE		REPLACED	NO
						,	

7. Description of Work REPEARE STUDS + NUTS ON 3 PLANGES

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Non psi Test Temp. No T °F

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

(12/82)

FORM NIS-2 (Back) 9. Remarks $\frac{3}{4}$ $\frac{3$

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>Reputational repair</u> conforms to the rules of the ASME Code, Section XI.						
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed R-L. Jorcus I S.I. Eng. Date March 15, 19.59						
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 VA						
Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.						
Date						

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

1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO.</u> Name	Date_March 15, 1990
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of
2.	Plant SURRY POWER STATION Name	Unit ONE
	P.O. BOX 315, SURRY, VA 23883 Address	LU 0 # 38000 85418 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>
4.	Identification of System <u>SERVICE</u> Warten	

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 algo

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	• Name of Manufacturer	Manufacturer Serial No.	National Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs				1-5W-MOV- 105B	_	Repuscio	NO
Studs Nuts		1		1-5W-MOV- 105B 1-9W-MOV- 105B		REPLACES	NO
						· · · · · · · · · · · · · · · · · · ·	(
 				ļ			
	<u> </u>						

7. Description of Work Repeated Studs & NUTS (ONE AT A TIME)

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp._____

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

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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FORM NIS-2 (Back) $\frac{CSY - 267358(2)}{\text{Applicable Manufacturer's Data Reports to be attached}}$ 9. Remarks __ CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u>*Berenchucus*</u> conforms to the rules of the repair or replacement ASME Code, Section XI. N/A Type Code Symbol Stamp____ ____Expiration Date N/A N/A Certificate of Authorization No.____ Date Marca 15 ISI ENG. - h-lexal . 19 *90* Signed. 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 VA ____and employed by HSBI & I CO. _of HARTFORD, CT have inspected the components described 12-22-89 11-21-92 in this Owner's Report during the period_ _to_ 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. Joden Commissions_ Va543 National Board, State, Province, and Endorsements Inspector's Signature 3-16 1990 Date

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

1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO</u> Name	DateF&B.2, 1990
2	<u>5000 DOMINION BLVD., GLEN ALLEN, VA 23060</u> Address Plant <u>SURRY POWER STATION</u>	Sheet
2.	Plant SORRI POWER STATION Name P.O. BOX 315, SURRY, VA 23883 Address	00 [#] 3800085417 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
4.	P.O. BOX 315, SURRY, VA 23883 Address Identification of System <u>Service</u> Waren	Expiration Date <u>N/A</u>

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>80</u> <u>W8</u>0

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS (16EA) —	-		1-5W-40V- 105A	-	Reparces)	No
STUDS (260) Nu TS (520)				м	-	REPEACES) REPEACES	100
			<u> </u>				
	Λ			-		}	

7. Description of Work REPEACE VALVE BOLTING (ONE AT A TIME!

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp.

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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/\ 	Applicable Manufacturer's Data Réports to be attached $1_{417} \rightarrow 0$ att $CSY - 267358(1)$
r	
141-	CERTIFICATE OF COMPLIANCE
ASME Code,	robair or real acoment
Type Code Si	/mbol StampN/A
Certificate of	Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Signed	Date FEB.2 19.90
Ow	ner or Owner 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 Sta
or Province o	f VA and employed by HSBI & I CO.
HARTFOR	
	r's Report during the period
	ort in accordance with the requirements of the ASME Code, Section XI.
-	g this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning t
examinations	and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ
	e in any manner for any personal injury or property damage or a loss of any kind arising from or connected with th
inspection	APAN
	Mart 1 (43
12	
2	Inspector's Signature Commissions National Board, State, Province, and Endorsements
2	Inspector's Signature Commissions National Board, State, Province, and Endorsements

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	As Required by the Provisions of the ASME Code Section XI					
1.	Owner VIRGINIA ELECTRIC AND POWER CO.	Date2/2/90				
	5000 DOMINION BLVD.; GLEN ALLEN, VA 23060	Sheet of				
2.	Plant SURRY POWER STATION Name	Unit_ONE				
	P.O. BOX 315, SURRY, VA 23883 Address	WO# 3800085418 Repair Organization P.O. No., Job No., etc.				
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u>				
	P.O. BOX 315, SURRY, VA 23883 Address	Expiration Date <u>N/A</u>				
4.	Identification of System <u>Service Warek</u>	· · · · · · · · · · · · · · · · · · ·				
c	(-) Applicable Construction Code P21 1 10.67 Edition	N/A Addendo N= N=7 Code Core				

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

5. (a) Applicable Construction Code <u>B31.1</u> Edition,_ _<u>19_6</u> NZ Addenda, <u>N</u> $L_{L} N = I$ _Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 10 WE0

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS (2644)	-			1-5W-400-105B	1	REPLACED	NO
STUDS (264) NuFS (524)) <u> </u>	-		4		и	NO

Refunce VALUE BOOTING 7. Description of Work_

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

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

(12/82)

	Applicable Manufacturer's Data Reports to be attached Neur POTI CSY - 267358(1)
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this <u>Remarker</u> conforms to the rules of the repair or replacement
ASN	E Code, Section XI.
Тура	Code Symbol StampN/A
Certi	ficate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
Sign	ed of the local ISI LNG. Date FEB. 2
Sign	od <u>ST-6-Consell</u> ISI LNG. Date <u>FEB. 2</u> , 19 <u>98</u> Owner or Owner's Designee, Title
Sign	Owner or Owner's Designee, Title Date FEB. 2 , 19 98 CERTIFICATE OF INSERVICE INSPECTION
1, th	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
I, th or Pi	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VAand employed by HSBI & I COof have inspected the components described
I, th or Pi H2	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VA and employed by HSBI & I CO.
I, th or P 	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VA
I, th or Pi H in th to th Own	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VA
I, th or Pr in to th Own E	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VA
I, th or Pr H2 in th to th Own E exar shall	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION a undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VAand employed by <u>HSBI & I CO.</u>
I, th or Pr H2 in th to th Own E exar shall	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VA
I, th or Pr H2 in th to th Own E exar shall	Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION a undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ovince of VAand employed by <u>HSBI & I CO.</u>

.

	As Required by the Provisions of the ASME Code Section XI					
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO.</u> Name	Date 2/2/90				
		Sheet of				
2.	Plant <u>SURRY POWER STATION</u> Name	Unit Orl				
	P.O. BOX 315, SURRY, VA 23883 Address	WO# 38 000 85414 Repair Organization P.O. No., Job No., etc.				
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u>				
	P.O. BOX 315, SURRY, VA 23883 Address 2	Expiration Date <u>N/A</u>				
4.	Identification of System <u>Service</u> Warten					

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

- 5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>\$0 \u0860</u>
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	, National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS		-		1-5W-NOU- 104B		Repeaced	No
Studs Nats		<u> </u>		4		Repeaced Repeaced	No

7. Description of Work REPEACE VALUE BOLTING

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure _° F Other Pressure____psi Test Temp.___

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

(12/82)

			FORM NIS-2 (Back)	
9.	Remarks _	Stud	po# CS4-267358(2)	
		Nat	Applicable Manufacturer's Data Reports to be attached	
		•		

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this <u><u><u></u><u><u></u><u><u></u><u><u></u><u><u></u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u></u>	to the rules of the
ASME Code, Section XI. repair or replacement	
Fype Code Symbol StampN/A	
Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>	
Signed D- Lagent IST ENG. Date FEB. 2. Owner or Owner Designee, Title	, 19 <i>90</i> _
CERTIFICATE OF INSERVICE INSPECTION	
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inst	pectors and the State
br Province of <u>VA</u> and employed by <u>HSBI & I CO</u> and <u>HSBI & I CO</u> and the co	of
in this Owner's Report during the period $12-22-39$ to $12-22-92$, and state that
o the best of my knowledge and belief, the Owner has performed examinations and taken corrective meas	
Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or imp	blied, concerning the

examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Report L. Option Commissions Vature Vature National Board, State, Province, and Endorsements
Date <u>1-9</u> 19 90

_		
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO.</u> Name	Date
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of
2.	Plant <u>SURRY POWER STATION</u> Name	Unit_Oud
	P.O. BOX 315, SURRY, VA 23883 Address	<u> </u>
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol StampN/A Authorization NoN/A
	P.O. BOX 315, SURRY, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System	

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

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>80 w80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	-		_	1-5W-140V- 105C	_	RE reacti)	NO
Studs Nuts				4	_		NO

7. Description of Work REPEACE VALUE BOLTING

8.	Tests Conducted:	Hydrostatic 🗌	Pneumatic 🗌	Nomi	nal Operating Pressure	
		Other 📄 Pressu	re	psi T	est Temp	°F

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

(12/82)

	FORM NIS-2 (Back)
l	Remarks Stud Pott CSY-267358(2)
	Applicable Manufacturer's Data Reports to be attached $N_{47} \rightarrow 0^{47} CSY - 262358(1)$
	······································
-	
	We certify that the statements made in the report are correct and this <u>Reparation conforms</u> to the rules of the ASME Code, Section X1.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
-	Signed <u>A. L. Logan</u> <u>IST Lub</u> , <u>Date</u> <u>FEB.</u> 2, 19 <u>90</u> Owner or Owner's Designee, Title
-	
-	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
-	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 ofVAand employed by HSBI & I COof
-	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 ofVAand employed by HSBI & I COofhave inspected the components described
-	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 And employed by HSBI & I CO. Owner's Report during the period. (1-12-89_to) It is Owner's Report during the period. (1-12-89_to)
-	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 ofVAand employed by HSBI & I COofhave inspected the components described
-	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 and employed by HSBI & I CO of
-	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 And employed by HSBI & I CO have inspected the components described in this Owner's Report during the period (1-12-89_to, 12-92_, 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 X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
-	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 And employed by _HSBI & I CO have inspected the components described in this Owner's Report during the period (1-12-89_to (1-12-91-91)), 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
-	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 And employed by HSBI & I CO have inspected the components described in this Owner's Report during the period (1-12-89_to, 12-92_, 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 X1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
-	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 And employed by _HSBI & I CO for have inspected the components described in this Owner's Report during the period $(1-12-89)$ to $(12-12-91)$, 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.
-	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 And employed by _HSBI & I CO have inspected the components described in this Owner's Report during the period (1-12-89_to (1-12-91-91)), 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
-	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

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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 <u>VIRGINIA ELECTRIC AND POWER CO.</u> Name	Date FEB. 2, 1990
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of
2.	Plant SURRY POWER STATION	UnitONE
	P.O. BOX 315, SURRY, VA 23883	107 38000 85413 Repair Organization P.O. No., Job No., etc.
з.	Work Performed by <u>VIRGINIA_POWER</u> Name	Type Code Symbol Stamp <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883 Address	Expiration Date <u>N/A</u>
4.	Identification of System SERVICE WATER	

5. (a) Applicable Construction Code <u>B31.1</u> 19.67 Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Srubs	1	_		1-5W-1401- 1048		REPERCED	NO
Studs Nurs			<u> </u>	4		n	NO
			_				

7. Description of Work

8.	Tests Conducted:	Hydrostatic 🗌	Pneumatic 🗌	Nor	ninal Operating Pressure		
		Other 📄 Pressu	re	psi	Test Temp	° F	:

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

FORM NIS-2 (Back) 9. Remarks Srub Po # C34 - 267358(2)Applicable Manufacturer's Data Reports to be attached Nur Po # C34 - 267358(1)

We certify that the statements made in the report are	OF COMPLIANCE	orms to the rules of the
ASME Code, Section X1.	repair or replacement	
Type Code Symbol StampN/A		
Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>	
Ollar	Date FEB. 2	0 -
Signed Owner or Owner's Designee, Title	Date <u>FEB. 2</u>	, 19_ <u>70</u>
CERTIFICATE OF I	INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the Nat		
	SBI & I CO.	
HARTFORD, CT	-89 to 12-11-91	e components described
in this Owner's Report during the period $12-32$, and state that
to the best of my knowledge and belief, the Owner has perfor Owner's Report in accordance with the requirements of the ASN		measures described in this
By signing this certificate neither the inspector nor his emp	•	r implied concerning the
examinations and corrective measures described in this Owne		
shall be liable in any manner for any personal injury or propert	ty damage or a loss of any kind arising fro	om or connected with this
inspection.		
$() \cap T \cap U()$	1/2 543	
The and I wan a		
Inspector's Signature	missions <u>12 a 3 4 5</u> National Board, State, Provin	ce, and Endorsements
		ice, and Endorsements

	FORM NIS-2 OWNER'S REPORT FOR REP As Required by the Provisions of the A	
1.	Owner Virginia Electric and Power Cu. Sooo Dominion Rd. Glen Allen, VB. 73060 Address	Date 1-31-90 Sheet 1 of 1
2.	Plant Surry Powley Station Name P.O. BOX 315 Surry, VD. 23883 Address	Unit/
3.	Work Performed by <u>AUML</u> Name	Type Code Symbol Stamp N/A Authorization No. N/A Expiration Date N/A
4.	Identification of System Service Water (class 3)	
5.	 (a) Applicable Construction Code <u>B3/.</u> 19<u>67</u> Edition, (b) Applicable Edition of Section XI Utilized for Repairs or Replacement 	

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hange (1)	DuBose steel Nojunkin corp.	NĄ	NA	1-Sw-Flg-MA	NA	NA	NA
Florage (1) Nipple	Nojunkin corp.	Vir	M2	1-5W12-1B	lup	NP	NB
	-				· · · · · ·		
'							

7. Description of Work Replace Floringe and Nipple Per Enk - 88-523

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Nor psi Test Temp. Nor °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8\frac{1}{2}$ 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.

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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FORM NIS-2 (Back)

9. Remarks <u>Hange - P. U. IP 38321</u> Applicable Manufacturer's Data Reports to be attached <u>Vipple - P. U. SY 06056</u> / _____ EUR - 88-523 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 repair or replacement ASME Code, Section XI. _____ Type Code Symbol Stamp____ NB_____Expiration Date____N Certificate of Authorization No. Date Fed . 19 90 Signed CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Va</u> and employed by <u>HSBI+I</u> <u>Co</u> <u>Hart Ford</u>, <u>Ct</u> of Hart Ford, CT ______have inspected the components described in this Owner's Report during the period 12-12-89 _______, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection Inspector's Signature Commissions Va 543 National Board, State, Province, and Endorsements <u>1-9-90 19</u> Date.

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	FORM NIS-2 OWNER'S REPORT FOR REP As Required by the Provisions of the	
== 1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO</u> Name	Date 1/10/90
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of
2.	Plant SURRY POWER STATION Name	Unit <u>DAR</u>
	P.O. BOX 315, SURRY, VA 23883	3800 0 F908 9 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>VIRGINIA POWER</u>	Type Code Symbol Stamp <u>N/A</u>
•	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>
4.	Identification of System Service Water	

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> <u>Addenda, N-1. N-7</u> <u>Code Case</u>
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.50 <u>20.030</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	Nationai Board No,	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
I'x2" Nipple	Consolidated Power Supply	38558100	MA	I-SW.TI -KHK	NIA	Replaced	No
			· .	<i></i>	<u> </u>		
			· · · · · · · · · · · · · · · · · · ·				
7. Description of Worl	Replace	Nippl	. .			↓ <u></u>	
8. Tests Conducted:			minal Operating	Pressure		· · · ·	مر مدر .

Other Pressure psi Test Temp. F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (i) size is 8% 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.

emarks	Nople Po# CSY-223545
	Applicable Manufacturer's Data Reports to be attached
<u>. </u>	
Mo	CERTIFICATE OF COMPLIANCE certify that the statements made in the report are correct and this <u>Caplacener</u> conforms to the rules of the
	Section XI.
vpe Code Sv	/mbol StampN/A
ertificate of	Authorization No. N/A Expiration Date N/A
igned L.	La Logan ISI Lug Date Jan. 15 , 19 90
	ner or Odiner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	igned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	f <u>VA</u> and employed by <u>HSBI & I[·]CO.</u> of
HARTFOR	RD, CThave inspected the components described ar's Report during the period/2-32-89to73-92, and state that
	of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
•	ort in accordance with the requirements of the ASME Code, Section XI.
Du signing	g this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
	s and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer e in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
xaminations	
xaminations hall be liable	
xaminations hall be liable nspection.	latt Pala 1/2 543
xaminations hall be liable hspection.	Inspector's Signature Commissions Va 543 National Board, State, Province, and Endorsements
xaminations hall be liable nspection.	Commissions CC

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	As Required by the Provisions of the A	SME Code Section XI
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO</u> Name <u>Sound Dominion BLVD., GLEN ALLEN, VA 23060</u>	Date
2.	Plant <u>SURRY POWER STATION</u> Name	UnitOwl
	P.O. BOX 315, SURRY, VA 23883 Address	38000 78682 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>
4.	Identification of System	

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

5. (a) Applicable Construction Code B31.1 19.67 Edition, N/A Addenda, N-1, N-7 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19___

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE 90° ELBOW	J.H. Frischkern T.H			I-CH-274	-	REPLACES	NO
90° 61800	J.H. FRISCHRORN	160431	NA			Reparced	NO
7. Description of Wor	* REDEACC	ed VALUE					

REDEACED VALUE 7. Description of Work_

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 2530 psi Test Temp. <u>Not</u> F

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

(12/82)

FORM NIS-2 (Back) 9. Remarks <u>VALVE PO# 5409614(1)</u> Applicable Manufacturer's Data Reports to be attached <u>90° Eußou</u> 70th 584 128558 (2) ____. ×

	CERTIFICATE OF COMPLIANCE
	Ve certify that the statements made in the report are correct and this <u>REPURENENT</u> conforms to the rules of the repair or replacement repair or replacement
Type Code	Symbol StampN/A
Certificate	of Authorization No. <u>N/A</u> Expiration Date <u>N/A</u>
SignedC	Darier L. Cozare ISI ENG. Date Jan. 5
	CERTIFICATE OF INSERVICE INSPECTION
	rsigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province HARTE	e of <u>VA</u> and employed by <u>HSBI & I CO</u> ofof
	where is the period $(12 - 22 - 89)$ to $(12 - 22 - 92)$, and state that
	t of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Re	eport in accordance with the requirements of the ASME Code, Section XI.
-, .	ing this certificate neither the Inspector πor his employer makes any warranty, expressed or implied, concerning the ons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	ble in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.	Rubert L. Coler commissions. Va 543
	Inspector's Signature National Board, State, Province, and Endorsements
Date	1-17 19.90
;	

Owner	Virgini	2666	er Namej		!	•	. Dec 28,1	988
Pient P. 0,	ury Por Box 315	wer St	terer	3883	Unit_/		wi. <u></u> c	· · · · · · · · · · · · · · · · · · ·
Work Per	lormed by 1	Inginia Nox 315	Power Curry Va	. 2388	53	Organization	0. 88-316/	WO. # 0730,
(b) Appl	tion of System. cable Construct cable Edition a tion of Compos	tion Code If Section XI U	tilized for A	lepairs or F	eplacements	<u>N/A</u> - 19 <u>%</u> D,	Addenda, Code	Cases AV/A-
identifica iams of imponent	Name of Mfr.	Mfrs. Ser. No.	·Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ECK 4LVE	HISSION VOLA	39000.	-	-	01-00-	-	Replacement	NO
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			<u> </u>		<u> </u>	 	<u> </u>	
				Valve	01-CC-	176 an	l replaced we	th new check v
Tests Con	ducted: Hy	drostatic 🗹	Pneumatic	Norr	inal Operatio	g Pressure	Other & Re	rformal opera
Tests Con Remarks	ducted: Hy Pri New Chec Applicable Manufac	vdrostatic 🗹 essure <u>95</u> : K. Vci IV e cturer's Data Repo	Pneumatic psi Test <u>13 IN</u> ns to be attache	Norr	inal Operatin <u>22</u> °F <u>au tact</u>	g Pressure huped b	Other D Re by Mission Va	rformal opera
Tests Con Remarks	ducted: Hy Pri Wew Chyco Applicable,Manylad	drostatic 🗹	Pneumatic psi Test <u>13 IN</u> ns to be attache	Norr	inal Operatin <u>22</u> °F <u>au tact</u>	g Pressure huped b	2 replaced un Cother D Re by Mission Va 121067	rformal opera
Tests Con Remarks	ducted: Hy Pri New Chec Applicable Manufac	vdrostatic 🗹 essure <u>95</u> : K. Vci IV e cturer's Data Repo	Pneumatic psl Test , 13 IN ns to be attache 1 P	Nom Temp C.HM. d)	inal Operatin <u>/2</u> °F au fact	g Pressure hup ed b CSY - 1	Other D Re by Mission Va	rformal opera
Remarks	ducted: Hy Pri New Chec Applicable Manufac	rdrostatic \square essure $_$ 95 \therefore V_{Cl} V_{Cl} clurer's Data Report G - 155 fV	Pneumstic psl Test / J IN ris to be attache IP CERTII	Norm Temp. CH, M M FICATE (inal Operation 22°F <u>aut fact</u> <u>P.U.</u> DF COMPLI in Repl	Pressure tup ed b (SY - 1 ANCE diceme	Cother Dr Go by Mission Va 121067 	rformal opera
Tests Con Remarks <u>Co</u> , certify that AE Code.	ducted: Hy Pri Wew Chec Applicable Manylad Mode	rdrostatic \square essure $_$ 95 \therefore V_{Cl} V_{Cl} clurer's Data Report G - 155 fV	Pneumstic psl Test / J IN ris to be attache IP CERTII	Norr Temp. CH M M M FICATE (rrect and th	inal Operation <u>22</u> °F <u>au fact</u> <u>p.4.</u> DF COMPLI ina <u>Repl</u>	g Pressure hup ed b CSY - 1	Cother Dr Go by Mission Va 121067 	formal opera at PT-41,2 Ive and Aump
Tests Con Remarks <u>Co</u> , sertify that IE Code.	ducted: Hy Pri <u>Wew Chec</u> Applicable Manylad <u>Mode</u> the statements <u>Alexian</u>	rdrostatic \square essure $_$ 95 \therefore V_{Cl} V_{Cl} clurer's Data Report G - 155 fV	Pneumstic psl Test / J IN ris to be attache IP CERTII	Norm Temp. CH, M M FICATE (inal Operation <u>22</u> °F <u>aut Fact</u> <u>P.U.</u> DF COMPLI is <u>Repl</u>	Pressure tup ed b (SY - 1 ANCE diceme	Cother Dr Go by Mission Va 121067 	formal opera at PT-41,2 Ive and Aump
Tests Con Remarks <u>Co</u> , certify that AE Code.	ducted: Hy Pri <u>Wew Chec</u> Applicable Manylad <u>Mode</u> the statements <u>Alexian</u>	rdrostatic \square essure $_$ 95 $_$ \land	Pneumstic psl Test / 3 IN fis to be attache CERTII eport are cor	Norr Temp. CH. M FICATE (rrect and th Tabe	inal Operation 22°F <u>aut fact</u> <u>P.U.</u> DF COMPLI is <u>Repl</u> t	g Pressure tup ed t (SY - 1) ANCE ANCE ACCME ates ates	Cother Dr Go by Mission Va 121067 	formal opera at PT-41,2 Ive and Aump
Tests Con Remarks. 	ducted: Hy Pri Wew Chec Applicable Manylau Mode (the statements Output or Owner	rdrostatic \square essure $_$ 95 $ 15$ 10×10^{-1} clurer's Data Report $4^{-1} - 5^{-5} + 10^{-1}$ made in this running in this running in the second se	Pneumatic psi Test / J IN ris to be attache P CERTII CERTI CERTI	Norr Temp. CH M M M M M M M M M M M M M	inal Operation <u>22</u> °F <u>au fact</u> <u>p.d.</u> DF COMPLI in <u>Repl</u> <u>p</u> OF INSPEC	g Pressure Lup ed b CSY - 1 ANCE ANCE d(come replace ate) TION	$\square \text{ Other } \square P_{2}$ $\square M $	s to Section XI of the
Tests Con Remarks <u>Cor</u> certify that WE Code. wed 	ducted: Hy Pri Wew Chec Applicable Manylau Mode (the statements Output or Owner	rdrostatic essure <u>95</u> <u>A Vcr (V e</u> citurer's Data Repo <u>G - 155 fr</u> made in this ro <u>I a Designes</u> valid commis	Pneumstic psl Test / J IN ris to be attached CERTII eport are cor Pfff CERTI CERTI	Norr Temp. CH. M FICATE (rect and th) Tabe FICATE FICATE by the Na	inal Operation <u>22</u> °F <u>au fact</u> <u>p.d.</u> DF COMPLI is <u>Repl</u> <u>f</u> OF INSPEC tionel Board	g Pressure Lup ed E CSY - 1 ANCE ANCE d(come replace ate) CTION	Other P P P P P P Other P P P P P P P P P P P P P P P P	s to Section XI of the
Tests Con Remarks <u>Cor</u> certify that AE Code. wed he undersig	ducted: Hy Pri Wew Chec Applicable Manylau Mode (the statements Owner or Owner ned, holding a .Va	rdrostatic essure <u>95</u> <u>A Vcr (V e</u> citurer's Data Repo <u>G - 155 fr</u> made in this ro <u>I a Designes</u> valid commis	Pneumstic psi Test // J IN ris to be attache P CERTII eport are cor P CERTI sion issued i , employ e eplo	Norr Temp. CH. MO FICATE (Treet and th JS: Take FICATE FICATE by the National State State FICATE	inal Operation 22°F <u>au fact</u> <u>p.u.</u> DF COMPLI in <u>Repl</u>	g Pressure lup ed b CSY - 1 ANCE ANCE alle STION of Boiller a B T 4	$\square \text{ Other } \square $	s to Section XI of the
Tests Con Remarks. <u>Cor</u> certify that ME Code. wed	ducted: Hy Pri <u>Wew Chec</u> Applicable Manufat <u>Mode</u> the statements <u>Qlashing</u> rowner or Owne ned, holding a <u>Va</u> <u>1</u> , <u>crt</u> has	rdrostatic \square essure $_$ 95 - K $Vcc(V + 2)civier's Data ReportG - 1.5$ S $fVmade in this ro\square \square \square \square \square \square \squaretransfer in this ro\square \square \square \square \square \square \squaretransfer in the set of t$	Pneumatic psi Test // J IN ris to be attache P CERTII eport are cor P CERTI sion issued i 	Norr Temp. CH M CH M Temp. T CH M T	inal Operation 22°F <u>au fact</u> <u>pub</u> DF COMPLI in <u>Repl</u> of OF INSPEC tional Board <u>f</u> <u>f</u> describ nu(s)	g Pressure lup od b (SY - 1) ANCE ANCE d(conce) attention d(conce) attention d(conce) d(conc	$\square \text{ Other } \square $	s to Section XI of the
Tests Con Remarks. <u>Cor</u> certify that ME Code. ned he undersig Province of. <u>a nt Force</u> state that ASME Coo	ducted: Hy Pri <u>Wew Chec</u> Applicable Manufar <u>Mod C</u> the statements <u>Applicable Manufar</u> <u>Mod C</u> the statements <u>Applicable Manufar</u> <u>Mod C</u> the statements <u>Applicable Manufar</u> <u>Mod C</u> <u>Mod C</u> <u>M</u>	rdrostatic \square essure $_$ 95 $- K$ V_{Cl} $V = 0$ civiers Data Repo $\blacksquare - 1.5$ 5 fV made in this ro \blacksquare \square \square \square \square \square Pris Designedrough commis-ve inspected themy knowledgethis certificate,	Pneumatic psi Test // J IN ris to be attache P CERTII eport are cor P CERTI sion issued I 	Norr Temp. CH M CH M M T M T M M T T M T	inal Operation 22°F <u>au fact</u> <u>p.u.</u> DF COMPLI is <u>Repl</u> of INSPEC tional Board <u>HS</u> <u>t</u> describ r replacement nor his émplo	g Pressure $L_{L} = d = d$ (SY - 1) ANCE ANCE ANCE ANCE COMMENT ANCE COMMENT ANCE	Conter D Go MISSION Voi (2106) conform menti 1/9, 19 59 conform 1/9, 19 59 conform 1/9, 19 50 conform 1/9 confor 1/9 conform 1/9 conform 1/9 conform 1/9 conform 1/9 conform 1	s to Section XI of the $1 - 10$, 19×10^{-10} , $10 \times$
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ATTACHMENT 2

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_		2.0. Box 3		<u>VA 2</u>	3883	,	•		, ·
3. W	lork Peri	formed by VA.	Power				00 817		·•
		•	-Same	inesal		Repair C	Diganization P	O No., Job No., elc.	
1. Ic	lentific a	tion of System.		(0	nponent	t Cooliv	ng	·	
5. (a	Appli	cable Construct cable Edition o	tion Code $\underline{B3}$	<u>1-1</u>	19_0/	Edition,	NA PO N	Addenda, Code 180 Addenda, Co	
		tion of Compor						<u>lou</u> Addenda, Co	
Nami		Name of Mir.	Mirs, Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or	ASME Code Stamped (Yes or No)
Valu	10	NA	NA	NA	NA	1-66-177	NA	Replacement	1/0
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le cert SME (the statements	made in this re	port are co	rrect and t		Cre Cl «		ns to Section XI of the
		Dunoi er Owner	a Designes	and _	ISI	Tere iDe	<u>c / 22</u> 110)		2
igned_				CERT	FICATE	OF INSPEC	TION		· · · · · ·
igned_ 		ned, holdino =	valid commis		- -			d Pressure Vessel Ins	pectors and the State
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the u	indersign	YA							7-241980
the u				e reola	LEN				
the u Provi Hart	ford,	<u>CT.</u> hav	e inspected th	e <u>rcolo</u> [Replins) and belief. s	or Replaceme his repair c			•	nce with Section XI of
the u Provi Hart nd stat	ince of ford , ie that 1 ME Code	CT. hav o the best of m e. By signing th	e inspected th by knowledge a his certificate,	nd belief, 1 neither the	his repair c Inspector	or replacement nor his émploy	has been co yer makes a	instructed in accordar ny warranty, expresse	nce with Section XI of d or implied, concern-
r Provi Hart nd stat ne ASM ng the	ince of_ ford, ie that t ME Code repair o	<u>CT</u> hav o the best of m e. By signing the replacement d	e inspected th by knowledge a his certificate, escribed in thi	and belief, 1 neither the s Report, F	his repair o Inspector urthermore	or replacement nor his émploy e, neither the la	has been co yer makes a nspector no	instructed in accordar ny warranty, expresse	

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	Binia Electric and Power Cu. Name	Date 1-12-90
 2. Plant 5	Dominiun Bluck. Glen Allen Address VD: Name	Sheetlofl
P. U. B	Name N 31.5 SULYY VA 33883 Address	3800381437 / EWR - 89-307 Repair Organization P.O. No., Job No., etc.
3. Work Performe	ed by 1/A. Power Name	Type Code Symbol Stamp Authorization No
	Same Address	Expiration Date
4. Identification	of System Ready Coolant System	(class 1)
5, (a) Applicable	Construction Code $\beta 31.1$ 19 67 Editio	n, Addenda,Code Case

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

- 5. (a) Applicable Construction Code <u>β31.1</u> 19<u>67</u> Edition, ______Addenda, _____
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19<u>β0, ω</u> *ξ*υ
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	∾ Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Spool piece	CPS/Taylor Furge stainle	<i>•</i>		1-RC-95	-	Replecad	-
1							

7. Description of Work Cut Value out + Replaced with a sport piece pir ENR - 89-307

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure <u>7712</u> psi Test Temp. <u>F72</u> F

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

(12/82)

FORM NIS-2 (Back)

Remarks <u>f.0</u> ,		ufacturer's Data Repo	rts to be attached	
	· · · · · · · · · · · · · · · · · · ·			
		TE OF COMPLIANCE		
	the statements made in the report	t are correct and this_	Replacement confor	ms to the rules of the
ASME Code, Section XI.				
	1 (A			
Type Code Symbol Stamp	NA			
Certificate of Authorization	on NoN19	Expiratio	on Date	-
\bigcirc ·//	ψ_{I}		T	
Signed & Owner or Owne	r's Designee, Title	Date	VAN. 12	, 19_ 90
·				
		OF INSERVICE INSE		
l, the undersigned, holdin or Province of	g a valid commission issued by the	e National Board of B		nspectors and the State
Hart For	CT		have inspected the	components described
•		<u>12-89to</u> to_		, and state that
	edge and belief, the Owner has pe ance with the requirements of the			easures described in this
•	cate neither the inspector nor his	•		mplied, concerning the
	tive measures described in this C	•		
	nner for any personal injury or pro	operty damage or a los	ss of any kind arising from	or connected with this
inspection.				
When I.		Commissions	Va 543	and Endorsements
Inspec	tor's Signature	Natio	onal Board, State, Province	, and Endorsements
Date /-/1	19 90			

	As Required by the Provisions of the A	ASME Code Section XI
1.	Owner <u>Virginia Electric Purver</u> Co. Name	Date1 - 8 - 9 0
2.	<u>5000 Dominium Blvd. Glen Allen</u> Address UB Plant <u>Survy power Station</u> 23060 Name	Sheet of velocity Unit
	P.J. BOX 315, Surry, VB. 23883 Address	DCP - 87- 29 P- 2 Repair Organization P.O. No., Job No., etc.
3.	Work Performed by <u>VB. Pewer</u> Name Address	Type Code Symbol Stamp No Authorization No. No Expiration Date No
4.	Identification of System Component couling, ASME	ZI class II

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

- 5. (a) Applicable Construction Code_B 31.1
 19_67_Edition,_____Addenda,_____Code Case

 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19_80_60 Blaicade
- 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Heat Exchanger	Yuba	87-G-433-1B	5418	1-cc-1+x-)	1988	Replacement	yes No	2+ L 1/8/80
								-
								-

- 7. Description of Work Replace Heat Exchanger
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 221 psi Test Temp. Ambient °F

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

(12/82)

	FORM NIS-2 (Back)
) Rer	narks Data Report attached.
	Applicable Manufacturer's Data Reports to be attached
AS	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 ME Code, Section XI.
Тур	be Code Symbol Stamp
	tificate of Authorization No
	CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Province of
	this Owner's Report during the period /2-22-89 to 12-21-92 , and state that
	the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this ner's Report in accordance with the requirements of the ASME Code, Section XI.
exa sha	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the minations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer II be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this pection.
Dat	

Carl Concernant Carl				1-60	- E- 1D				
, 							RESSURE VE		
1. Manufactured an	d on stille d i			nafor T		2121 N	161et F A		
		-			(name i	and address of me	mutacturer)		
Manufactured for	<u>Virgin</u>	ia Power I	Electri	<u> Power</u>	Compan	y 5000 Do	minion Bly	d. Glen	<u>Allen, VA</u> 2306
3. Location of Insta					nstructi				
I. Type: Excha	nger -	87-G-43	<u>3–1B</u>		8	7-G-433-1 (drawing no.)	<u>5418</u>	(no.)	1988
5. The chemical and VESSEL CODE. T	physical p	roperties of all	parts mee	t the requi	irements of	material speci	ifications of the		
A'86		_					-		(1991)
A 00	Date))	(Code	Case no.)			(10)	ecial service per UG-	120(0))	
ms 6-11 inclusive	lo be compl	leted for single	e wall vess	els, jeckel	is of jackete	d vessels, or	shells of heat e	xchangers.	
	·	ן גריי			.125"		.'-3"	-	-95"
. Shell:	0 - / U c. no., grade))		ickness (in.))		(corr. slice. (in	·	fdia, 10 (ft. & in.))		pth (overall) (ft. & In.)
. Seams: Db1	• • • •	Full	100	x -	-	DP1	Ful		4
(iong. (db	l., sngl.))	(RT (spot or full))	(eff. (%)) (HT temp	. (°F)) (time) (girth (dbl.	, angl.)) (RT(spot,	partial, or full))	(no. of courses
. Heads: (a)		(mat'l. (spec. n	D., Gradeli		(b)=	(met), (so	c. no., grade))	
Location (top.	Minimum	Corrosion	Crown	Knuckie	Elliptical	Conical	Hemispherical	Fiat	Side to Pressur
bottom, ends)	Thickness	Allowance	Radius	Flacitus	Ratio	Apex Angle	Radius	Diameter	(convex or conca
(a) -							11-1		
(b) -	1	L			<u> </u>	. <u></u>	L	I	L
If removable, boit	s used (des	cride other las	tenings): .	<u> </u>		(met'l.,	spec. no., gr., size, no	 ລຸ)	
. Type of lacket:			Proof t	est:					
Jacket closure:	(describe of 0	ges & weld, bar, et	If b	ar, give din	nensions:	-		_ If bolted,	describe or ske
. MAWP_150	•	•			_		Linden grangerer		Dress.: 225
(psi) (psi) (psi)		mp. <u>150</u> (*F) I for tube secta		•	(when less than a.d. 3/8"	n - 20°F))	Hydro., pascka F 2 Titani		(psi)
Tubesheets: _SA			56 7/8"		1 13/				Welded
•		sc. no., gr.)) (dia.		•	•	kness (in.))	fcort. allow. (in	L)) (atta	ichment (weided, bot
	-350-LF		56 7/8" (dia. (in.		1 13/	10" kness (in.))	. 125"		Welded (attachment)
Tubes: SB-33	8-Gr 2	3,	/4"		.028		1600	St	raight
	spec. no., gr.))	(OD (in.))	(nom	n. thickness (in.	er geuge)) -	(no.)	a succession and the second	type (straight or U))
ms 14-17 inclusive		leted for inner	r chamberi	s of jacket	ed vessels (or channels o	f heat exchange	rs.	•
Inlet Chan		5/8"			0		-3"		-8½"
			ickness (in.))		(corr. allow. (ii		(dia_ ID (ft. & in.))		igtin (overali) (It. & In.
Seams:Db		Full	100			Db1			1
(long (d	ibi., sngi.})	(RT (spot or tui	l)) (eff. (9	6)) (HT tern	p. (°F)) (time	r) (pi rth (dbi	, angi.)) (PT (apol	, pertial, or full)	(no. of courses)
Heads: (a)	<u> </u>	(mat'i, (spec. n	o., grade))	<u> </u>	(b))	(met'l. (ape	c. no., grade))	
Location (top, bottom, anda)	ttinimum Thickness	Corresion Allowence	Crown Redius	Knuckie Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Redius	Fiat Diameter	Side to Pressur (convex or concer
(a) Channel F	g (SA-	LO5-N) (51	'I.D.	x 56 7/	8" O.D.	X 3 1/8"	thk) (C.A.	- 0)	÷
(b) Channel F		05-N) (51			8" O.D.	X 3 1/8"	thk) (C.A.	- 0)	
If removable, bolts	used (desc	ribe other fast	enings): _	3/4" SA	<u>-193-B7</u>		SA-194-2H		
MAWP 150		nn 150	AA1	_	_	•	ipec. no., gr., siza, no		
MAWP_150	"at max. ter	np("F)	_Min. tem		when less then	~ 20°F)	Hydro., <u>popysor</u>	comp. test (press. <u>2.2.5</u> pei

Items on reverse side to be completed for all vessels where applicable.

Note: Each additional sheet shall be signed and dated by the certificate holder and the Al. This form may be obtained from The National Board of Boller and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229. NB-26 Rev. 8

FORM U-1 (back)

Purpose (Iniet.	SETELY VEIVE	openings:						
outlet, drain, etc.)	Number	Die. or Size	Туре	Mat'l.	Nom. Thickness	Reinforcement Material	How Attached	Location
Channel In/Out	2	30"	Plate	SA-516-	0 3/1	-	Welded	Channe
Channel In/Out	2	30"	FFWN	SA-105	150#	-	Welded	Channe
Shell In/Out	2	18"	Pipe	SA-106-1		SA-516-70	Welded	Shell
Shell In/Out	2	18"	RFWN	SA-105	150#	SA-516-70	Welded	She11
Shell Vent & Drait	the second se	3/4"	Cplg	SA-105	6000	+ -	Welded	Shell
Aux. Cplg	2	3/4"	Cplg	SA-105	6000		Welded	Shell
Aux. Cplg	2	1"	Cplg	SA-105	6000	ŧ	Welded	Shell
Chem Clean Nozz.	4	2"	RFLWN	SA-105	150#		Welded	Shell/
Aux. Cplgs	2	3/4"	Cplg	SA-182-1	304 6000	<u>+</u>	Welded	Channe
Aux. Cplgs	2	1"	Cplg		304 6000		Welded	Channe
Gauge Glass Conn	2	1"	Cplg	SA-182-1	304 6000	-	Welded	Channe
20. Remarks: Manufacturers following items of the rej (18) Channel Ven	port:		(nam	e of part, item hu	mber, mfr's. name	and identifying stamp))	mished for
(10) 0		/ //	/(011 10			(
Channel are	marked	87-G-433-	3					
			<u> </u>			· · · · · · · · · · · · · · · · · · ·		
							···—	
Date 6/29/88 Nar	neuua	Heat Tran	BIEL DI.					
	ha Weat '		(manufac	turer) F SHOP INS	PECTION	Signed A	ck (represent	
Vessel constructed by Yu	valid commis	Fransfer 1 ision issued b	(manutac IFICATE O DIVISION y The Natio	F SHOP INS	Boiler and Pre	at Tu	ck (represent) 11sa, Okla pectors and the	ahoma e state or pr
Vessel constructed by Yu I, the undersigned, holding a Ince of Oklahoma	valid commis and employe	Transfer 1 sion issued by d by Com of Boston	(manufac TIFICATE O Division y The Nation mercial n, MA	turer) F SHOP INS n Inal Board of Union Ir nave inspecte	Boiler and Pre ISUTANCE (Ind the pressure	at Tu ssure Vessel Insp Company e vessel described	ck (represent 11sa, Okla Dectors and the d in this Manu	ahoma e state or pr facturers' D
Vessel constructed by Yu I, the undersigned, holding a Ince of Oklahoma	valid commis and employe	Transfer 1 sion issued by d by Com of Boston	(manufac TIFICATE O Division y The Nation mercial n, MA	turer) F SHOP INS n Inal Board of Union Ir nave inspecte	Boiler and Pre ISUTANCE (Ind the pressure	at Tu	ck (represent 11sa, Okla Dectors and the d in this Manu	ahoma e state or pr facturers' Di
Vessel constructed by Yu I, the undersigned, holding a ince of Oklahoma Report on 6/28 pressure vessel in accordance	valid commis and employe , 19 <u>88</u> :e with ASME	Transfer 1 sion issued by d by Com of Boston , and state the Code, Section	(manutac TIFICATE O Division y The Nation mercial n. MA pat, to the to on VIII, Divi	turen F SHOP INS n Inal Board of Union Ir nave inspecte pest of my kr sion 1.	Boiler and Pre ISUTANCE (the pressure nowledge and	at Tu at Tu ssure Vessel Insp Company e vessel described belief, the manufa	ck (represent 11sa, Okla Dectors and the d in this Manu acturer has co	e state or pr facturers' Di postructed t
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**************************************	FORM U-4 MANUFACTURERS' DATA REPORT SUPPLEMENTARY SHEET
Manufactured and	i centified byYuba Heat Transfer Division 2121 N. 161st E. Ave. Tulsa. OK
. Manufactured for	(neme and address of manufacturer) Virginia Power Electric Power Company 5000 Dominion Blvd. Glen Allen. 1 (name and address of purchaser)
	(name and address of purchaser) 230(letion <u>Virginia Power, Surry Construction Project, Surry Virginia 23883</u> (name and address)
. Type: <u>Exchang</u> (Toriz, veri., is	87-G-433-1B - 87-G-433-1 5418 1988 Inst, etc.) (mfr's. serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built
Data Report Item Number	Remarks
	Inlet Channel Cover **
	(SA-516-70) (56 7/8" O.D. X 44" thick) (C.A 0)
	<u>Manway</u> ** (SA-105) (18" - 150#) (RFWN) (C.A 0)
	Manway Cover
	<u>(SA-105)(18" - 150#)(RFBL)(C.A 0)</u> Bolting
	<u>1 1/8" SA-193-B7 studs & SA-194-2H nuts</u>
	3/4" SA-193-B7 studs & SA-194-2H nuts
	**Heat Treat at 1100°F 1 hour
····	Outlet Channel
	(SA-516-70) (5/8" thk) (C.A 0) (4'-3" diam.) (4"-8'z" length)
	$\frac{(3k-516-76)(576-61k)(6.k, -6)(4-5-61kk)(4-64-164k)}{(Db1)(Full)(100%)(1100°F)(1-hr)(Db1)(Full)(1)}$
	Channel Flange (SA-105-N) (51" I.D. X 56 7/8" O.D. X 3 1/8" thk) (C.
·····	<u>Channel Flange (SA-105-N) (51" I.D. X 56 7/8" O.D. X 3 1/8" thk) (C.</u>
	Outlet Channel Cover **
	<u>(SA-516-70) (56 7/8" O.D. X 4½" thk) (C.A 0)</u> Manway **
	$\frac{(SA-105)(24'' - 150\#)(RFWN)(C.A 0)}{(SA-105)(24'' - 150\#)(RFWN)(C.A 0)}$
	Manway Cover
	<u>(SA-105)(24" - 150#)(RFBL)(C.A 0)</u> Bolting
	1½" SA-193-B7 studs & SA-194-2H nuts
	<u>3/4" SA-193-B7 studs & SA-194-2H nuts</u>
	** Heat Treat at 1100°F 1 hour
6/29/88	_Name_Yuba_Heat_Transfer_DivisionSigned_Jack_Colling (manufacture)JackFederling
	(manufacture) // Jack (representative)Federline

This form may be obtained from The National Board of Boller and Pressure Vessel Inspectors, 1055 Crupper Ave., Col's. OH 43229

_	As Required by the Provisions of the A	ASME Code Section XI
1.	Owner <u>VIRGINIA ELECTRIC AND POWER CO</u> Name	Date 12/14/89
	5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address	Sheet of
2.	Plant <u>SURRY POWER STATION</u>	Unit_ONE
	P.O. BOX 315, SURRY, VA 23883 Address	100 4 38000 87267 Repair Organization P.O. No., Job No., atc.
3.	Work Performed by <u>VIRGINIA POWER</u> Name	Type Code Symbol Stamp <u>N/A</u> Authorization No. <u>N/A</u>
	P.O. BOX 315, SURRY, VA 23883	Expiration Date <u>N/A</u>
4.	Identification of System Conformation	
		<i>.</i>

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

5. (a) Applicable Construction Code <u>B31.1</u> <u>19.67</u> Edition, <u>N/A</u> Addenda, <u>N-1</u>, <u>N-7</u> Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>S0 w80</u>

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
BOLTS (4EA)			ily	1-cc-E-1A	-	Reparces	NO
BOLTS (4 tA) NUT (2tA)			NA	1-cc-2-1A	-	Reparces	NO

Repeace FLANGE BOLTING 7. Description of Work____

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure_____psi Test Temp._____

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

(12/82)

This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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FORM NIS-2 (Back) $\begin{array}{c} 5.5 \\ \end{array}$ Applicable Manufacturer's Data Reports to be attached $\begin{array}{c} 4 \\ \end{array}$ 9. Remarks Nor Pott Bost

We certify that the statements made in the report are ASME Code, Section XI.	e correct and this <u>LEPCALLALES</u> Confo repair or replacement	rms to the rules of the
Type Code Symbol StampN/A		
Certificate of Authorization No. <u>N/A</u>	Expiration Date <u>N/A</u>	
Signed Over or Owner's Designee, Title	Date Dec. 14	, 19
CERTIFICATE OF		
I, the undersigned, holding a valid commission issued by the N	ational Board of Boiler and Pressure Vessel	Inspectors and the State

<u>HARTFORD</u>, CT ______have inspected the components described in this Owner's Report during the period ______ 12-1-86_______, 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 J. Colon Inspector's Signature	_ Commissions _	National Board, State, Province, and Endorsements
Date12-14_19_89		

ATTACHMENT 2

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ATTACHMENT 2

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4.	Identific	stion of System		<u> </u>					
5.	(a) App	licable Construc	tion Code <u>B3</u>		19 <u>67</u>	Edition,		Addenda, Code	
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size H BM III. A 11 III. (2) Information in itsms 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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		nents Repaired						
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	me of	Name of	Mfrs. Ser.	·Nat'l.	CRN	Other	Year	Repaired.	ASME Code
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the	undersig	ned, holding a	valid commiss	ion issued b	y the Nati	onal Board	of Boiler ar	nd Pressure Vessel Insp	ectors and the State
	wince of_					B'1&I C(01
	<u>tford</u>	CTha	ve inspected the	Replac	ement	describ	ed in this R	eport on	6-19_1989
Har	ate that t	to the best of r	ny knowledge a	ind belief, th	is repair or	replacement	has been co	instructed in accordance	
nd si		a Mu siaalaa 4	inis certificate,	neither the				ny warranty, expressed	
nd si ne A	SME Cod		described in this	Report. Fu	rthermore_	neither the l	Inspector no	r his employer shall be	Hable in any manner
nd si ne A ng th	SME Cod e repair o v persona	r replacement o	described in this				onnected wi	r his employer shall be th this inspection. IR 7009 Va J	

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).	Work Per	formed by VA			<u> </u>	380	00 766	0 No_ Job No_ sic.	·····
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i. i.	(b) Appl	icable Edition o	tion Code <u>B3</u> of Section XI U nents Repaired	tilized for F			- 19.80, 1	Addenda, Code 180 Addenda, Co	
	me of ponent	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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	_ .		cturer's Data Report	is to be attache					
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5. (a) Appl	icable Construct	tion Code <u>123</u>	<u>l. </u>	19_67 epairs or f	Edition,. Replacements -	<u>//4</u> - 19 <u>80, 4</u>	Addenda, Code	Cases <u>NA</u> de Cases <u>NA</u>
5. Identifica Name of Component	Name of Mir.	Mfrs. Ser. No.	or Replaced Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVes	Henry Prat	- cu	· 、	-	1-500-25,	-	Replacement	mit NO
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We certify tha ASME Code.	t the statements	made in this r			ve Vu	ANCE $p aum_{1}$ $p aum_{2}$ $p aum_{2}$		ns to Section XI a

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and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date 6-22-89 (126-227) Contract Contractions NB 7009 Va

NB7009 Va543 Date, Commissions_ (State or Province, National Board) (inspector)

te: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is BX in. X 11 in., nformation in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered he number of sheets is recorded at the top of this form,

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2. Plant 2	A BAL 21	(Name) Sully	VA . 23	593	Unit			
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	······	- Same			Repair C	Progenization P.	O No., Job No., etc.	
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	ition of Compor						Addenda, Coc	ie Cases _ <u>P77</u>
Name of Component	Name of Mir.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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12) Information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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	tion of Composition of						Addenda, C	ode Cases <u>NA</u>
Name of Component	Name of Mfr.	Mfrs. Ser. No.	· Nat'L Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
"Pipi	King Allers	38855120	NIA	N/A	1-CH-27%	NIA	Replaced	NO
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	ation of Compo							
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(2) Information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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y Nut	5 Hardway Special	3759175	NA	NA	1-RC-163	NA	replaced	NO
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2. Plant	Surry Pow	er_Statior	doress)		Unit	ONE		·
	P.O. Box	315 Surry	VA 23	3883			,	
3. Work Per	formed by <u>VA</u>	Power	<u></u>		380	100.76	846. O No., JOB NO., BL.	
• •		Same		· · ·	Repair (Organization P.	D No., Job No., elc.	•
I. Identifica	tion of System				INDE			·
5. (a) Appl	icable Construc	tion Code B3		19_67	Edition,		Addenda, Code	
		of Section XI Us ments Repaired					80Addenda, Coc	fe Cases <u>INA</u>
Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l, Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or	ASME Code Stamped (Yes or No)
"STUD	Hadware Speciality	06070250	NA	NA	1-55-241	NA	Replacement Replaced	No
"Hex Mits	AFG Engileering		NA	NA .	1-52-241	NA	Replaced	1/0
				1			/	
				<u> </u>				
·								
					1 (
	·							
•	on of Work	OVERMAN						
. Tests Con	ducted: Hy Pri	OVER Matur Vorostatic D essure <u>2335</u> cturer's Data Report	Pneumatic psi Test	Nom Temp <u> </u>	2_•F			
. Tests Con	ducted: Hy Pri	drostatie D essure <u>2335</u>	Pneumatic psi Test	□ Nom Temp. <u>54</u> K\$ }}	2_•F	P0 = 5.) Other [] 59-210439 554-219348	
. Tests Con	ducted: Hy Pri	drostatie D essure <u>2335</u>	Pneumatic psi Test s to be stiache	□ Nom Temp. <u>5 4</u> 14 14	2.°F	P0 ≠ S. 5 P0 ≠	57-210439	
. Tests Con	ducted: Hy Pri	drostatie D essure <u>2335</u>	Pneumatic psi Test s to be stiache	□ Nom Temp. <u>5 4</u> 14 14	2. •F 1 ["] Studs " <u>Hex Nut</u> DF COMPLIA	P0 ≠ S. 5 P0 ≠	58-210+39 558-219348	a to Section XI of
Remarks	ducted: Hy Pri	drostatie D essure <u>2335</u>	Pneumatic psi Test s to be stiache	Nom Temp. <u>59</u> 12 12 FICATE C	2.°F 1 ^{°°} S tuds 1 ^{°°} Hex Mat DF COMPLI 16 ref	Po ≠ S. <u> </u>	59-210439 559-219348 Conform	s to Section XI of
Remarks	ducted: Hy Pri Applicable Manufa the statements	rdrostatic D essure <u>2335</u> cturers Data Report	Pneumatic psi Test s to be stiache	Nom Temp. 5 4 /4 /4 FICATE C rect and th ISI	2.°F 1 ^{°°} S tuds 1 ^{°°} Hex Mat DF COMPLI 16 ref	PO = S. c PO = ANCE lacment	59-210439 559-219348 Conform	s to Section XI of
Remarks	ducted: Hy Pri	rdrostatic D essure <u>2335</u> cturers Data Report	Pneumatic psi Test s to be stiache	Nom Temp. 5 4 /4 /4 FICATE C	2.°F 1 ^{°°} S tuds 1 ^{°°} Hex Mat DF COMPLI 16 ref	PO = S. c PO = ANCE lacment	59-210439 559-219348 Conform	s to Section XI of
Remarks	ducted: Hy Pri Applicable Manufa the statements	rdrostatic D essure <u>2335</u> cturers Data Report	Pneumatic psl Test s to be attache CERTII port are cor	Nom Temp. 57 14 FICATE C rect and th ISI This	2.°F 1 ^{°°} S tuds 1 ^{°°} Hex Mat DF COMPLI 16 ref	Po = S. <u>s</u> PO = ANCE lacencet Sair or replacem 29. Vacy 100	59-210439 559-219348 Conform	s to Section XI of
Remarks.	ducted: Hy Pri Applicable Manufa the statements	rdrostatic D essure <u>2335</u> clurer's Data Report	Pneumatic psi Test s to be attache CERTII port are cor CERTI	Nom Temp. 5 7 FICATE C rect and th ISI The FICATE (2 • F T ^{or} S tuds T ^{or} Hex Mut DF COMPLIA is <u>rep</u> for per DF INSPEC	Po ≠ S. <u>s</u> Po ≠ ANCE lacment lacment 29. Jacy 1100	5 <u>7-2/0</u> 739 55 <u>7-219348</u> conform 	_
Remarks	ducted: Hy Pri Applicable Manufa the statements	vdrostatic D essure <u>2335</u> cturers Data Report	Pneumatic psi Test s to be attache CERTII port are cor CERTI ion issued i	Nom Temp. 57 FICATE C rect and th ISI Trie FICATE (by the Nat	2 °F 1 ["] Studs "Hex Mut DF COMPLIA is <u>rep</u> (Da DF INSPECT ional Board of	$\frac{P_0 \neq S_1}{S_1 + S_2}$ ANCE $\frac{I_0 + S_2 + S_2}{S_1 + S_2}$ $\frac{I_0 + S_2 + S_2}{S_2 + S_2}$ $\frac{I_0 + S_2}{S_2 + S_2}$ TION of Boiler an	59-210439 559-219348 Conform	s to Section XI of
Remarks. Remarks. Code. SME Code. igned the undersig	ducted: Hy Pri Applicable Manuta the statements (Owner or Owner ned, holding a VA.	valid commissi	Pneumatic psi Test s to be attache CERTII port are cor CERTI CERTI	Nom Temp. 5 % // // FICATE C rect and th ISI Trib FICATE (by the Nat red by 115	2 °F 1 ^{"S} tuds "Hex Mut DF COMPLIA is <u>rep</u> (Da DF INSPEC ional Board of SB 1&1 CO	$\frac{P_0 \neq S}{S}$ ANCE $\frac{I_{q c m c t}}{I_{q c m c t}}$ $\frac{2 9 \sqrt{\alpha c y}}{I_{10}}$ TION of Boiler an	5 9 - 2 / 0 4 3 9 55 9 - 2 17 3 4 8 conform eng 	<u> </u>
Remarks	ducted: Hy Pri Applicable Manuta the statements (Owner or Owner ned, holding a 	valid commissi ve inspected the	Pneumatic psi Test s to be attache CERTII port are cor CERTI certificon issued l certificon issued l certificon issued l certificon issued l	Nom Temp. 57 FICATE C rect and th ISI Trib FICATE (by the Nat ed by Replacement	2 °F 1 ["] S tuds ["] Hex Mut DF COMPLIA is rep for for for DF INSPEC ional Board of SB' I&I CO musg describe	$P_0 \neq S$ <u>s</u> $P_0 \neq$ ANCE <u>lacenent</u> <u>lacenent</u> <u>29</u> <u>Jacy</u> <u>100</u> TION of Boiler and <u>100</u> d in this Re	5 9 - 2 / 0 4 3 9 55 9 - 2 17 3 48 conform ent , 19 - 28 d Pressure Vessel Insp port on7 -	
Remarks	ducted: Hy Pri Applicable Manuta the statements (Owner or Owner ned, holding a VA. CT s har	valid commissi valid commissi	Pneumatic psi Test s to be attache CERTII port are cor CERTI ion issued l , employ 	Nom Temp. 57 74 FICATE C rect and th ISI Trib FICATE (by the Nat red by FICATE (by the Nat red by FICATE (2 °F 7 Studs 7 Hex Mut 0F COMPLIA is rep 100 100 100 100 100 100 100 10	$P_0 \neq S$ <u>s</u> P0 [#] ANCE <u>la concet</u> <u>la concet</u> <u>sair or replacem</u> <u>29 Jaccy</u> <u>100</u> TION of Boiler and <u>100</u> d in this Re has been co	5 9 - 2 / 0 4 3 9 55 9 - 2 19 3 48 conform eng , 19 28 d Pressure Vessel Insp port on7- natructed in accordance	
Remarks Remarks Remarks Code. SME Code. igned the undersig r Province of Hartford of state that the ASME Cod g the repair of	ducted: Hy Pri Applicable Manuta the statements (Owner or Owner ned, holding a VA. CT . have to the best of r e. By signing to r replacement of	valid commissi valid commissi valid commissi ve inspected the this certificate, described in this	Pneumatic psi Test s to be attache CERTII port are cor CERTI ion issued l , employ , employ , employ 	Nom Temp. 57 74 74 FICATE C rect and th ISI Trib FICATE (by the Nat red by FICATE (by the Nat red by repair of Inspector r urthermore,	2 °F 7 Studs 7 Hex Mut 0F COMPLIA is rep (Da 0F INSPEC ional Board of SB I&I CO missi replacement hor his émploy, neither the la	$P_0 \neq S$ <u>s</u> <u>P</u> 0 = ANCE <u>laconant</u> <u>laconant</u> <u>seinor replacem</u> <u>29 Jacon</u> <u>100</u> TION of Boiler and <u>100</u> d in this Re has been con ver makes an inspector nor	$\frac{59 - 210439}{559 - 219348}$ conform end d Pressure Vessel Insp port on 7- nstructed in accordance y warranty, expressed his employer shall be	$\frac{-3}{2}$, 19 ce with Section X for implied, conce
Remarks Remarks Code. SME Code. SME Code. igned the undersig r Province of Hartford of state that the ASME Cod g the repair of	ducted: Hy Pri Applicable Manuta the statements (Owner or Owner ned, holding a VA. CT . have to the best of r e. By signing to r replacement of	valid commissi valid commissi valid commissi ve inspected the this certificate, described in this	Pneumatic psi Test s to be attache CERTII port are cor CERTI ion issued l , employ , employ , employ 	Nom Temp. 57 74 74 FICATE C rect and th ISI Trib FICATE (by the Nat red by FICATE (by the Nat red by repair of Inspector r urthermore,	2 °F 7 Studs 7 Hex Mut 0F COMPLIA is rep (Da 0F INSPEC ional Board of SB I&I CO missi replacement hor his émploy, neither the la	$P_0 \neq S$ <u>s</u> <u>P</u> 0 = ANCE <u>laconant</u> <u>laconant</u> <u>seinor replacem</u> <u>29 Jacon</u> <u>100</u> TION of Boiler and <u>100</u> d in this Re has been con ver makes an inspector nor	5 9 - 2 / 0 4 3 9 55 9 - 2 17 3 48 conform enq , 19 8 d Pressure Vessel Insp port on 7- nstructed in accordance y warranty, expressed	

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-1.		/irginia 1 2.0. Box 2		iame)	· · ·	<u> </u>	Dat She	ر میں جر اور میں م الد اور	1
2	Plant	Surry Powe	er Statior	(dr ess)		Unit	GN		•
		0. Box	315 Surry	VA 2	3883		· · · ·		• : •
3.	Work Per	formed by VA				38(100 798	0 No. JOB NO. ME.	•
		•	Same	-•	· .	-•	-		
4. 5.	Identifica (a) Appli	tion of System cable Construc	tion Code B3	-1	19 67	ment Spr Edition	NA	Addenda, Code	Cases NA
6.	(b) Appli	cable Edition c	of Section XI Un nents Repaired	lilized for F				180Addenda, Co	de Cases NA
N	ame of mponent	Name of Mir.	Mfrs. Ser. No.	Nat"L Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or	ASME Code Stamped (Yes or No)
\overline{Y}	Nuts	Hardhare ,	3759165	NA	NIA	1- CS- FN6	1/14	Replacement Replaced	No
2. { '	Studs	Hands in a	37882460	NIA	NA	Hes - Ful	NA	Replaced	100
_	5 140.0	Spreinines			1/-//		70171	Replaced	
					1			· · · · · · · · · · · · · · · · · · ·	
									· .
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7.	Descriptio	o of Work	Reverse Spe	ctacle	Flange	s - Repla	cel Sty	dsin 34" f	Tanse
B.	Tests Con	ducted: Hy	drostatic 🛛	Pneumatic	О Ńоп	inal Operatio	g Pressure [Other D	-
).	Remarks_		clurer's Data Report		Temp		+ P0#	558-19721-	7
•						Studs	<i>₽0</i> [±] .	554-180092	
				CERTI	FICATE		ANCE		· · · · · · · · · · · · · · · · · · ·
Ne	certify that	the statements	made in this re	•		Ad	Jacanen	+ conform	ns to Section XI of
	AE Code.		01.			pł. 7	pair or replacer	nentj	
lign	eđ	Owner or Owne	irs Designed	\sim	ISI Teto	Ne D	<u>e - 29</u>		
				CEDT	FICATE	OF INSPEC		· · · · · · · · · · · · · · · · · · ·	
	e undersio	ned, holding a	valid commiss					od Pressure Vessel In:	pectors and the S
, 1t	rovince of_			, employ	ved by	<u>SB 1&I C(</u>			
r P	rtford.	CTha	ve inspected the	replac	ment	describ	ed in this R	200 1 01	7-3/, 19
r P	state that t	o the best of r	my knowledge a	nd belief, 1	his repair o	r replacement		onstructed in accordation of warranty, expressed	
r P <u>Ha</u> nd		r replacement o	described in this	Report. F	urthermore	, neither the l	Inspector no	r his employer shàll b	
nd Ha nd he		LIDUURY OF OFOR	oerty damage of	-1015/01 a	ny Kind aris	ling from or c	onnected wi	th this Inspection.	112
nd Ha nd he	ny persona	21-89	() L	Code	<u> </u>	Commiss	ionsN	State or Province, Na	92

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		Virginia	Power	•			De	7/18/18	9
-1		P.O. Box		Name)			0.		of1
2	Plant	Surry Pow	er Statio	uddress) N		Unit	ON		
-		P.O. Bóx	315 Surry	VA 2	3883				
. 3	Work Per	formed by VA	Power				<u> </u>	417 10 No. Job No. elc.	
		·	Same				1		
4	. Identifica	tion of System	•	C	<u>omponen</u> 10 67	<u>+ Coo</u>	NA NA	Addenda, Coo	de Cases NA
	`(b) Appi	icable Edition (of Section XI U	hilized for F	Repairs or F	Replacements	- 19_80,1	180 Addenda, C	
	Name of	·····	nents Repaired	T	· · · · · · · · · · · · · · · · · · ·	1.	· · · · · · · · · · · · · · · · · · ·		1 ACUT 0: 4
. C	Component	Name of Mir.	Mfrs, Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
· S/	Studs	Handwark Specially	0616331	NA	NA	1-12-59	NA	Replaced	NO
	"Hex Muts	Heidware Specialty	0201993	NA	NA	1-10-59	NA	Replaced	NO
·			0201112		1	1			
	•		1	1	1 .	· · · ·		14 A	1
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7.			rdrostatic 🖸	<u>Our ha</u> Pneumatic	Non	inal Operatin	U.C. 9 Pressure [B Other 🗋	
8,	Tests Con	ducted: Hy Pr	essure Map	Pneumatic psi Test	Nor Temp. <u>No</u>	niñal Operatin		D Other	1
	Tests Con	ducted: Hy Pr		Pneumatic psi Test	Norr Temp. <u>No</u>	ninal Operatin			1
8,	Tests Con	ducted: Hy Pr	essure <u>R</u> Clurer's Data Repo	Pneumatic psl Test is to be attach S Tu Hex Nu	Non Temp. <u>M</u> To Po To Po	alinal Operatin 2Z°F ₩ SSY ₽ SSY	9 Pressure [210835 213298		
8,	Tests Con	ducted: Hy Pr	essure <u>R</u> Clurer's Data Repo	Pneumatic psl Test is to be attach S Tu Hex Nu	Non Temp. <u>M</u> To Po To Po	sinal Operatin 2 [#] SSY [#] SSY [#] SSY DF COMPLI	9 Pressure [210835 213298 ANCE		
8, 9.	Tests Con Remarks	iducted: Hy Pr Applicable Manuta	essure <u>R</u> Clurer's Data Repo	Pneumatic psi Test is to be attach STu Hex Nu CERTI	Non Temp <u>Mar</u> B PO B PO FICATE	sinal Operatin 22.°F [#] SSY [#] SSY DF COMPLI	9 Pressure [210835 213298		rms to Section XI or
8, 9. W	Tests Con Remarks	iducted: Hy Pr Applicable Manuta	essure_ <u>Map</u>	Pneumatic psi Test is to be attach STu Hex Nu CERTI	Norr Temp. <u>M</u> 73 PO 73 PO FICATE (rrect and th ISI	sinal Operatin 22.°F [#] SSY [#] SSY DF COMPLI	9 Pressure [210835 213298 ANCE		
8, 9. W	Tests Con Remarks	iducted: Hy Pr Applicable Manuta	essure_ <u>Map</u>	Pneumatic psi Test is to be attach STu Hex Nu CERTI	Norr Temp. <u>M</u> B PO FICATE (rrect and t)	sinal Operatin 22.°F [#] SSY [#] SSY DF COMPLI	9 Pressure [210835 213298 ANCE		
8, 9. W	Tests Con Remarks	iducted: Hy Pr Applicable Manuta	essure_ <u>Map</u>	Pneumatic pai Test 19 10 De strach STU Hey NW CERTI coort are co	Norr Temp. <u>M</u> 73 PD 73 PD FICATE (rrect and th ISI Trib	sinal Operatin 22.°F [#] SSY [#] SSY DF COMPLI	Pressure [210835 213298 ANCE placenent pair or replacer ucy 29 alley		
8, 9. W A: Si	Tests Con Remarks	ducted: Hy Pr Applicable Manufa the statements	essure <u>Map</u> curers Data Report is made in this re <u>Accure</u> ara Besignee	Pneumatic psi Test is to be attach 5 th, He x Mu CERTI cent are co CERTI	I Norr Temp. <u>Market</u> Temp. <u>Market</u> Temp. <u>Market</u> Temp. <u>Market</u> FICATE	sinal Operatin Z °F	Pressure [210835 213298 ANCE placenent pair or replacer acy 29 atten		3
8 9. W Al Si	Tests Con Remarks	Applicable Manufa	essure <u>Ma</u> curers Data Report is made in this re <u>for cure</u> ara Besignee) valid commist	Pneumatic psi Test is to be strucch STU Test CERTI cont are co CERTI sion issued	Norr Temp. <u>M</u> To PO FICATE (rrect and th ISI This IFICATE by the Na	sinal Operatin Z_°F P SSY DF COMPLI Sia P OF INSPEC tional Board SB' I&I_C(9 Pressure [210835 213298 ANCE placenent pair or replacer acy 29 alle) TION of Boiller ar	neng , 19 22 nd Pressure Vessel In	3
8 9. W Al Si	Tests Con Remarks	Applicable Manufa	essure <u>Ma</u> curers Data Report is made in this re for <u>cure</u> ars Besignee)	Pneumatic psi Test is to be strucch STU Test CERTI cont are co CERTI sion issued	Norr Temp. <u>M</u> To PO FICATE (rrect and th ISI This IFICATE by the Na	sinal Operatin Z_°F P SSY DF COMPLI Sia P OF INSPEC tional Board SB' I&I_C(9 Pressure [210835 213298 ANCE placenent pair or replacer acy 29 alle) TION of Boiller ar	neng , 19 22 nd Pressure Vessel In	3
8 9. WA Si I. or	Tests Con Remarks	Iducted: Hy Pr Applicable Manuta the statements Duner or Owned ned, holding a VA. a CT. ha	essure <u>Map</u> curers Data Report is made in this re <u>docut</u> ars Besignee) is valid commission we inspected the my knowledge is	Pneumatic psi Test 15 10 be attach STU Te X Nut CERTI EPORT are co CERTI sion issued (Reparts) and belief, t	ISI IFICATE by the Na ved by His repair of Norr PO PO PO PO PO PO PO PO PO PO	sinal Operatin 2 ° F ⇒ SSY ⇒ SSY DF COMPLI bis pr OF INSPEC tional Board SB' I&I_C(describ- pr replacement	9 Pressure [2]0835 2]3298 ANCE 0 Jacene 1 pair or replacent acy 29 alle) TION of Boiler ar 1. ed in this Ric	nemi 	$\frac{3}{7-31}$, 15 ance with Section 3
8 9. WASi I, or 1 an thing	Tests Con Remarks	the statements (Durier or Owned Reference of a reference of a replacement of a	essure <u>Ma</u> curers Data Report is made in this re <u>a made in this re</u> we inspected the my knowledge this certificate, described in thi	Pneumatic psi Test 13 to be attach STA Tex Nut CERTI eport are co CERTI sion issued 	Norr Temp. <u>M</u> Temp. <u>M</u> Temp. <u>M</u> Temp. <u>M</u> FICATE (IFICATE (IFICATE by the Na ved by <u>H</u> cence t or Replacement his repair o Inspector urthermore	sinal Operatin Z_PF F SSY DF COMPLI DF COMPLI DF COMPLI P P OF INSPEC tional Board SB' I&I_C(9 Pressure [2]0835 2]3298 ANCE 0 Jacene 1 pair or replacent of cy 2-9 ate) TION of Boiler ar 1. ed in this Ric t has been co yer makes an inspector no	nema 	$\frac{3}{7-31}$, 15 ance with Section X sed or implied, conc

. Owner_	Virginia I	Power .				Det	7/25/80	1
	P.0. Box :	26666 📍	(a/T+0)		· ·	She	•	11
Plant	Surry Pow	er Station))		Unit	ONE		•
	P.O. Box	315 Surry.	VA 23	3883				
Work Pe	normed by VA	Power			380	100 J8	893 O No., JOD No., etc.	•
	;					Organization P	O No., Job No., etc.	
Identific	ation of System	(Aod	-1	ice Wa	ver			
(a) App	licable Construc						Addenda, Code	
(b) App	licable Edition c ation of Compo-	of Section XI U	ilized for R				180Addenda, Co	de Cases <u>NA</u>
Name of	Name of	Mfrs. Ser.	· Nat'l	CRN	1	· · · · · · · · · · · · · · · · · · ·	[ASME Code
omponent	Mfr.	No.	Bd.	No.	Other Identi-	Year Built	Repaired, Replaced	Stamped
			No.	1	fication		or	(Yes or No)
		0202020		1 1 7	SU-AOU		Replacement	· · · · · · · · · · · · · · · · · · ·
	Carolin Divust		NIA	NA	104C	NA	replaced	No
"Stud	Sales Systems LTD.	3788275	NA	N/A	1045	MA	. veplaced	No
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Tests Co		essure_45			1 ky	"Muts 1 "Studs	PO# CSY -24. PO# CSY - 118	8862 082
Remarks		clurer's Data Report						
_		cluver's Data Report						
_	(Applicable Manutar		- CENTII	FICATE C	OF COMPLI	ANCE		
Remarks	(Applicable Manutar	made in this re	- CENTII	FICATE C	DF COMPLI is	ANCE Jaconer	tconform	ns to Section XI of
Remarks	(Applicable Manufactor) t the statements	made in this re	- CENTII	rect and th	DF COMPLI is	ANCE Jaconer	tconform	
Remarks	(Applicable Manufactor) t the statements		- CENTII	rect and th	DF COMPLI	ANCE Jaconer	tconform	
Remarks	(Applicable Manufactor) t the statements	made in this re	DEN TIL	rect and th	DF COMPLI	ANCE Jącener Jącene	tconform	
Remarks	(Applicable Manufact t the statements (Daner or Ourse	made in this re	CERTI	FICATE	DF COMPLI is v e,D is _	ANCE Jacone Jacone July July TION	tconform	>
Remarks	(Applicable Manufact t the statements (D=ner or Owner gned, holding a VA	made in this re with the second seco	CERTI CERTI	FICATE (DF COMPLI is V e.P fer Complete	ANCE la cone la con	t conform neng, 197 nd Pressure Vessel Ins	>
Remarks	(Applicable Manufact t the statements (D=ner or Owner gned, holding a VA	made in this re with the second seco	CERTI CERTI	FICATE (DF COMPLI is V e.P fer Complete	ANCE la cone la con	t conform neng, 197 nd Pressure Vessel Ins	>
Remarks	(Applicable Manufact t the statements (Dener or Owner gned, holding a VA. L. CT. have	made in this re to Designees valid commiss ve inspected the	CERTI CERTI CERTI ion issued I , employ rep[a]a	FICATE	DF COMPLI is Vel fer 20 CO 0F INSPEC tional Board of 5B' 1&1 CO ntist	ANCE Jaconen Sour or replaced TON of Boiler ar In this Re-	t conform neng, 19 nd Pressure Vessel Ins eport on	pectors and the St $7-31$, 19.
Remarks	(Applicable Manufact t the statements (Dener or Owner gened, holding a VA. 10 the best of more to the best of more be. By signing t	made in this re walid commiss valid commiss ve inspected the ny knowledge a this certificate,	CERTI CERTI CERTI ion issued I , employ repla [Repair(s) c nd belief, th	FICATE (by the National Strength Stren	DF COMPLI is V e.P feer 20 Const	ANCE Ance Jacone Jacone Jacone Jacone Jacone TION of Boiler ar In this Richard Construction has been constructed yer makes all	t conform neng, 19 nd Pressure Vessel Ins eport on onstructed in accordan ny warranty, expressed	pectors and the St 7-31, 19. Ance with Section Xi d or implied, conce
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·	P.O. Box .	315 Surry	<u>VA 2</u>	3883				: `
Work Pe	normed by VA	_ (11)	ame)		38 Repair		237 P.O. No., JOD No., BIC.	······
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Identific Name of Imponent	Name of Mir.	Mfrs. Ser. No.	- Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI 4-5-89

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Plant	Surry Powe	r Statio	.ddress) N		Unit_OM			•
	P.O. Box 3	B15 Surry		3883				
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Name of component	Name of Mfr.	Mirs, Ser. No.	· Nat'i. Bd. No.	CRN No.	Other Identi- fication	Year Bullt	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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Cap Screw	11	NA	HA	NA	i.	NA	RAPUPLEP	NO
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-1.	Owner	Virginia	Power	,			De	5/3/89	
		P.O. Box	26666	Name)			Shi	n	of1
2	Plant	Surry Pow	<u>er Statio</u>	ddress) N		Unit1	1 +2		
·		P.O. Box	315 Surry	VA 2	3883			. /	. ,
3.	Work Per	formed by VA	Power)00 <i>8096</i>		043
		·	SameN	sme)	·····	Repair (Organization F	O No., Job No., etc.	
4.	Identifica	ition of System	- Compone	WT Cool		·		<u>.</u>	
5,	(a) Appl	icable Constru-	ction Code <u>B3</u> of Section XI U		19 <u>67</u>	Edition,	NA 10 80 1	Addenda, Cod [80 Addenda, Co	
6.	Identifica	ition of Compo	onents Repaired	or Replaced	d, and Repl	acement Com	ponents	(<u>All</u> Abbenda, Co	
	ime of nponent	Name of Mfr.	Mirs. Ser. No.	- Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Bullt	Repaired, Replaced, or Replacement	ASME Code Stamped Stres or No)
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-1. Owner_	Virginia P	ower	, ,			Di	5-18-8	9
	P.O. Box 2	6666 6	Nam e)				eet1	
2. Plant	Surry Powe	er Statio	ddr es.s) N		Unit_0	NE		•
	P.O. Box 3	15 Surry	<u>VA 2</u>	3883		-		· ·
3. Work Pe	formed by VA.	Power	(me)	<u></u>	_38	000 78	061	· · ·
	·	Same	(ress)					•
4. Identific	ation of System.	SERVICE	- WATI	<u>= R</u> 19 67	Edition	IJΔ		de Cases NA
5. (a) App (b) App	licable Construct licable Edition of	f Section XI U	tilized for F		Edition Replacements	- 19_80,	<u> </u>	Cases <u>NA</u>
6. Identific	ation of Compor	ents Repaired	or Replace	d, and Repl	acement Con	nponents	- <u>1</u>	
Name of Component	Name of Mfr.	Mfrs. Ser. No.	·Nat'L Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	FERGUSON ENTERPRIZES	NA	NIA	N/A'	1-SW-5	NA	REPLACED	No
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r Province of	34 R	ABIO COULURS			SB [•] I&I_C(ING FIESSUIG VESSEL II	
Hartford		e inspected the					Seport on	5-19 1987
								ance with Section XI of
Ne ASME Cod	Se. By signing t	nis certificate,	neither the	Inspector i	nor his émplo	yer makes i	any warranty, express	ed or implied, concern-
	•		•		•	-	or his employer shall with this inspection,	be liable in any manner
ene5-	-19-89	- Ital	art J.	Coda	Commiss	.ions	NB7009 Val	143
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ATTACHMENT 2

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-1. Owner_		x 26666				Dat She		/
2. Plant	SURRY	Power	ddress)	ion	Unit	1		·
	P.O. Cox	315 S	sary la	23883	· · · · · · · · · · · · · · · · · · ·			
3. Work Pe	formed by	Schry C.	//	<u>`</u>	Bennit	DC86	5-10-1 .0 No., Job No., etc.	
	·	<u> </u>	tress)	7	repair e	- yeniganon r		
	ation of System	tion Code _B.		14TEL	Edition.	NIA	Addenda, Code	Care N/A
(Б) Арр	licable Edition (of Section XI U	tilized for R		leplacements -	- 19 <u>80</u> ,	<u>WEO_</u> Addanda, Coo	ie Cases <u>Ala</u>
	· · · · · · · · · · · · · · · · · · ·	onents Repaired	T	T	1		·····	
Name of Component	Name of Mfr.	Mfrs. Ser. No.	- Nat'l. Bd.	CRN No.	Other Identi-	Year Built	Repaired, Replaced,	ASME Cod Stamped
			No.		fication		or Replacement	(Yes or No
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7. Descripti	on of Work			•			/	
8. Tests Co		ydrostatie 🛛 ressure_ <u>NOA</u>	Pneumatic		inal Operating	Pressure	Other 🖸	
9. Remarks			•		F 			
<u> </u>	(Applicable Manufa	acturer's Data Repor	is to be attache	KC)				
				<u></u>				
			CERTI	FICATE	OF COMPLI	ANCE		
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ASME Code.	6,1		Koz-11	1 75	TRI	5/1	5	7 .
Signed	Owner or Own	er's Designee)	<u>g</u> ggg	Thie	CHU (D	ne)	· · ·	
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Hartform	104	eve inspected th	Reil	/ CO DY	<u> </u>	<u></u>		5-22 .
and state that	· · · · ·		[Repair(s) o	or Replaceme	int(s)	d in this R		, I
							onstructed in accordan ny warranty, expressed	
	or replacement	described in thi	is Report. Fu	urthermore	, neither the I	nspector no	r his employer shall be	
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-		EPORT OF REPAIR OR REPLAC Provisions of ASME Code Section		
Power	•	Data	5-30-89	

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-1.		/irginia_					Di	m <u>5-30-8</u>	79
	·	P.O. Box	20000	Name)		·	Sh	en1	of1
2.	Plant	Surry Pow	er Statio	001 858) 1		Unit	ONE		•
		P.Q. Bóx	315 Surry	VA 23	3883				
3.	Work Per	AV_yd bemiol	Power		· · · · ·	38(000 786	35	······
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4.	Identifica	tion of System	LAN SERVE	snessj EE Va	IATER				· ·
5.	(a) Appli	icable Construe	tion Code <u>B3</u>	1-1	19_67	Edition	<u>INA</u>	Addenda, Coc	le Cases <u>NA</u>
6.			of Section XI U Inents Repaired					<u>W80</u> _Addenda, C	ode Cases <u>INA</u>
-	ame of moonent	Name of Mfr.	Mfrs. Ser. No.	Nat'L Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
18 - 11	Thread Bay	HROWR. Special	N/A	NA	N/A	01- 5W-P_	NIA	Aeplace	NIA
	Nut Hex.	1	NIA	NIA	NIA	01-5W-P- 16	NA	Replace	NIA
		J.H. Frichkorn	38855650	NIA	NIA	01-5W-P-	NIA	Replace	NIA
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					1	<u>†</u>	1		· · · · · · · · · · · · · · · · · · ·
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<u></u>				CERTI	FICATE	OF COMPLI	ANCE		
Wer	ertify that	the statements	made in this re	port are cor	rect and th	REPL	ACEME	INT confor	ms to Section XI of the
	IE Code.	$\mathcal{D} \cdot \mathcal{I}$	01			¥e.	par or repuece		
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ł		•		CERTI	FICATE	OF INSPEC	TION		
1, 1h	e undersig	ned, holding a	valid commiss	ion issued t	by the Nat	ional Board	of Boiler a	and Pressure Vessel In	spectors and the State
or Pi	ovince of_	_VA		, employ	ed byH	SB' 1&1_CC)	<u></u>	of
	rtford,	<u>CT</u> he	ve inspected the	Replace Repairs)	<u>e ment</u> or Replaceme	describe	ed in this A	leport on	<u>5-3/</u> , 1989
Land -									nce with Section XI of
the /	ASME Cod								ed or implied, concern-
the / ing t	ASME Cod he repair o	r replacement	described in this	s Report, Fu	urthermore	, neither the I	nspector n	or his employer shall I	ed or implied, concern- be liable in any manner
the /	ASME Cod he repair o	r replacement	described in this	s Report, Fu	urthermore	, neither the I	Inspector M onnected w		be liable in any manner

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(2) Information in imms 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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·	P.O. Box	26666	dress)			Sh	en	_of1
Plant	Surry Pow	er Station	1		Unit (DNE		•
<u></u>	P.O. Box	315 Surry	<u>VA 23</u>	883		A	D	C . ;
Work Pe	rformed by VA	(Address) Power			380	000697	118;079139;	079140; 078
	·	Same	TH O)		Repair C	irganization I	P.O No., Job No., etc.	
Identific	ation of System	SERVICE W	ATEN RADI	ATTION MO	WITOR PUMP.	\$		
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Name of omponent	Name of Mfr.	Mfrs. Ser. No.	- Nat'l. Bd.	CRN No.	Other Identi-	Year Built	Repaired, Replaced,	ASME Code
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							Replacement	
Pump	Crave	97067-1	NÞ	NA	1-5W-P-5A	MA	Replace	no.
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. 1	Work Perl		<u>Indinia</u>	100001		Wor	K Orde	er No. 3800068	33.9.7
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	NUTS S.S. INCH	SALES SYSTEM	NA	NA	NA	A57m-A-194		Replacement	NO
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ATTACHMENT 2

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			ive inspected th	repla	cement	- describ	d in this R	Eport on	7-19 , 1989
									nce with Section XI of
the A	SME Cod	ke. By signing	this certificate,	neither the	Inspector r	or his emplo	yer makes a	ny warranty, expresse	d or implied, concern- e liable in any manner
				a loss of any	y_kind arisi		onnected wi	th this inspection,	,/, ,/,
Date.		19-89	_ tob	Lart J. (	edn	Commiss	ions	B 7009 Vas	43
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in, X 11 in., [2] Information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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-1.	Owner	Virginia D. O. Box	26666	iame)			Da	n <u>3/3//89</u>	
2.	Plant	Suppy P.O.BO	Power S	Stress)	1/2. 2.385	Unit			
3.	Work Perf		Hooreday POWER SAME (Na	me)				00 48 417 P.O No., JOB No., SIC.	<del></del>
4. 5. 6.	<ul><li>(a) Appli</li><li>(b) Appli</li></ul>	tion of System. Icable Construct Icable Edition o tion of Compor	tion Code <u>B</u>	<u>Jr God</u> <u>3/. / _</u> 1 Lilized for R	19 <u>67</u> epairs or F	Replacements	- 19_ <i>80</i> ,_	2Addenda, Code ( <u>WEO_</u> Addenda, Cod	
	eme of nponent	Name of Mfr.	Mírs, Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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Plant	Surry Pow	er Statio	odress)	<u>`</u>	Unit_0	NE		·
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•		Same_		 ,	Repair	Organization F	P.O No., Job No., etc.	· · · · ·
Identific	ation of System	COMPOSE	mt co	OLING				
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	licable Edition c ation of Compo						180 Addenda, Co	de Cases <u>NA</u>
Name of	Name of Mfr,	Mfrs. Ser. No.	Nat'i. Bd. No.	CRN No.	Other Identi- fication	Year Bullt	Répaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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<u>P.</u>	<u>D. Bo</u>	X 315,5	URRY,	VA 23	3883				
3. Wo	ork Perf	lormed by <u>DR</u>	Adoreal ESSER II EXANDRI	UDUSTR		Repair C	P. O.	554-11488 DNO. JOB NO. ETC.	6.
A 1.4.		tion of System.	- /1.44	reas/		LASS II			
5. (a)	Appli	cable Construc	tion Code	31.1	9 67	Edition,	NA		Cases N/A
			of Section XI Ut ments Repaired (					WBO Addenda, Coo	ie Cases <u>NA</u>
Name Compor	- ·	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped {Yes or No}
Dis	С	DRESSER	AAR 396			M5-5V-101B	~	REPLACEMENT	·
DIS	C	DRESSER	AAR38			M5-5V-101A		REPLACEMENT	
DIS	C	DRESSER	AAR37			M5-5V-101C		REPLACEMENT	-
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9. – Rer	narks_ V	Applicable Manufac	lurer's Data Report	s to be attache	4				
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<u>.</u>		(Owner or Owne	r's Designee)		Thie	(Da	10)	, , <b>o</b>	_
			1	CERTI	FICATE	OF INSPEC	TION		
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and state the ASM ing the r	e that t E Code epair o	o the best of r e. By signing t r replacement o	ny knowledge a his certificate, described in this perty damage or	nd belief, th neither the Report. Fu a loss of an	his repair o Inspector r Inthermore V kind aris	r replacement nor his émploy , neither the li îng from or co	has been co ver makes a inspector no prinected w	eport on onstructed in accordan ny warranty, expressed or his employer shall be ith this inspection.	ce with Section XI or d or implied, concern- : liable in any manner
Date		31-88	_ Robe	Inspector	der	Commissi	ons	187009, Va 54 State of Province, Nat	43 xonal Board)

(2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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		••••••			COF REPAI		PLACEMENT ction XI		
-1. Owner_	VIRGINI	4 POWE				Da	n <u> 0-28-8</u>	38	
	· · · ·	66 RIC	HMONT	> <u>, va</u>		Sh	evt	of	
2. Plant 5	URRY POL	NER STA	TION		Unit				
P.O. BC	<u>5×315;51</u>	URRY V.	A 238	83					
3. Work Per	formed by $\mathcal{DR}$	ESSER T	NDUSTR	125	P.O. SY - 06755 . Repair Organization P.D'No., Job No., etc.				
	. AL	EXANDE	A LA		Hepairt	Organization I	PU2 NO., JOD NO., etc.		
4. Identifica	ition of System	MAIN	STE		CLAS				
	icable Construction of			19 <u>67</u>	Edition,.	N/A- 1980	<u> </u>	Cases $N/A$	
6. Identifica	ition of Compo	nents Repaired	or Replaced	, and Repi	acement Com	ponents			
Name of Component	Name of Mfr.	Mfrs. Ser. No.	· Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
DISC	PRESSER	AAPO3	-	-	MG-SV-1050		REPLACEMENT	·	
DISC	DRESSER		~	-	MS-5V-1030		REPLACEMENT	-	
DISC	DRESSER	ANAN86	_	-	MS-SV-102C		REPLACEMENT	-	
DISC	DRESSER	AAN 85	-	-	M5-5V-104C		REPLACEMENT	-	
DISC	DRESSER	AAN 89	-	<u> </u>	M5-5V-105B		REPLACEMENT	-	
DISC	DRESSER			-	145-SV-1024	_	REPLACEMENT		

#### ON MAIN STEAM REPLACED DISCS CODE SAFETIES Description of Work_ 7.

8. Tests Conducted: Pressure__

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9.

Hydrostatic D Pneumatic D Nominal Operating Pressure D Other D _•F __psi Test Temp.____

Remarks__________(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF (	COMPLIANCE	
We certify that the statements made in this report are correct and this	(replin or repusement)	conforms to Section XI of the
Signed All M XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL XL _L XL XL _L XL XL _L XL XL _L XL XL _L XL XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL _L XL XL XL XL XL XL XL XL XL XL XL XL XL	(Date)	_, 19_90
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t the undersioned holding a valid commission issued by the Nationa	al Board of Boiler and Press	ure Vessel Inspectors and the State
or Province of <u>Va</u> , employed by <u>Hart Ford, Cf.</u> have inspected the <u>Replacements</u> <u>[Repairs] or Replacements</u>	_described in this Report on	10-31, 1988
the ASME Code. By signing this certificate, neither the Inspector nor h	his émployer makes any warra	inty, expressed or implied, concern-
ing the repair or replacement described in this Report. Furthermore, nei for any personal injury or property damage or a loss of any kind arising t	from or connected with this i	nspection.
Date 10-31-88 [Labort J. Coden (Inspector)	Commissions <u>NB70</u> (State	09, Va 543 e or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., (2) Information in Items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

### ATTACHMENT II

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Plant_2	URRY P	OWER :	STA TIC	N	Unit	<u> </u>		
		SURRY	-		_			
Work Per	formed by DF	<u>2655GR t</u>	NDUSTR	LIES_	<u> </u>	O, <u>C</u> Organization	34 - 06755 P.O. No., JOB NO., ELC.	<u>·</u>
		XANDRI				_		
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(b) Appl	licable Edition o	of Section XI U	tilized for R				NBO Addenda, Cod	le CasesN/
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			No.	1	fication		or Replacement	(Yes or No)
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DISC	DRESSER_	AAN91		-	MS-5V-103B		REPLACEMENT	
DISC	DRESSER	AAN90	-	~	MG-SV-102B	-	REPLACE MENT	<b>-</b> .
DISC	DRESSER	AAN92	-		M5-5V-104B		REPLACEMENT	~
DISC	DRESSER	AAN 88	-	~	M5-51-105A	·	REPLACEMENT	
DISC	DRESSER	AAN26	-	-	MG-5V-104A		REPLACEMENT	
Descriptio	on of Work <u>RE</u>					-		
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(2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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2.	Plant_S	URRY PC	Name) (Name) SURRY V	ATION		Unit			
3.	Work Perf	ormed by <u>V</u>	(Address) A. POWE (Na SAIYE (Add	R		<u>33</u> Repair O	0000	<u>4896</u> P.O. No., Job No., etc.	
4. 5. 6.	(a) Appli (b) Appli	cable Construct cable Edition o		<u>3/ /</u> tilized for R	19 <u>67</u> epairs or F	Replacements -	- 19 <i>31</i> 2,_	Addenda, Code <u>WSO</u> Addenda, Coc	
	ame of mponent	Name of Mfr.	Mfrs. Ser. . No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
	LVE N-1900-151	MAGNAFLUX E		-		I-FIV-151F		REPAIRE D	NO
7. 8. 9.	Descriptic Tests Con Bemarks	ducted: Hy	<u>14 VLV. 04</u> Pdrostatic ⊡ essure <u>1.35 (</u> 4	Pneumatic	Non Non	ninal Operating	<u>WELDE</u> 9 Pressure	D VLV. BACK //Y	TO SUSTELY
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

### FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT As Required by the Provisions of ASME Code Section XI

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<u>P.0. Bol 315 Gurry VA. 23583</u> Work Performed by <u>VA. PdWJM</u> <u>(Name)</u> <u>Same</u> <u>Same</u> <u>Identification of System <u>Reactive Coulant</u> (Class 1) <u>(a) Applicable Construction Code <u>B31.1</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19<u>80</u>, <u>W80</u> Addenda, Code Cases <u>MA</u> (b) Applicable Edition of Section XI Utilized for Replaced, and Replacement Components <u>Identification of Mfrs. Ser.</u> <u>Nat'l.</u> <u>CRN</u> <u>Other</u> <u>Year</u> <u>Repaired</u>, <u>ASME</u> <u>Component</u> <u>Mfr.</u> <u>No.</u> <u>Bd.</u> <u>No.</u> <u>Identification</u> <u>Replaced</u>, <u>Stampe</u></u></u>	· · · · · · · · · · · · · · · · · · ·				<u></u>			12 JAGR	· · · · · · · · · · · · · · · · · · ·
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Identification of Components Repaired or Replaced, and Replacement Components         Name of component       Name of Mir.       Mir. Ser.       Natl.       CRN       Other       Year       Repaired, Built       ASME C. Stamps         Value       No.       Bd.       No.       Identi- fication       Built       Replaced, Built       Stamps         Value       No.       Value       -       Value       Value       Stamps         Value       Value       -       -       Value       Value       Stamps         Value       Value       Value       Value       Value       Value       Stamps         Value       Value <td< td=""><td>. (a) Appl</td><td>icable Construct</td><td>ion Code <u>183</u></td><td><u>l.l1</u></td><td>9 67</td><td>Edition,</td><td></td><td></td><td></td></td<>	. (a) Appl	icable Construct	ion Code <u>183</u>	<u>l.l1</u>	9 67	Edition,			
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$\frac{\psi \mu_{A-1-46} (\gamma_{A} - 21 - \mu_{A}) \mu_{A}}{\psi \mu_{A-1-46} (\gamma_{A} - 21 - \mu_{A}) \mu_{A}}$ Description of Work <u>leadernight</u> <u>Grind</u> <u>away</u> <u>indicationa</u> <u>as per EWR - \$8 - 412</u> Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure psi Test Temp		+				+			
Description of Work <u>descripti</u> <u>Grind</u> <u>away</u> <u>Indications</u> <u>as</u> <u>per</u> <u>Ewk</u> - <u>8</u> <u>8</u> - <u>4</u> <u>12</u> Tests Conducted: Hydrostatic Pneumatic II Nominal Operating Pressure Other I Pressure <u>psi</u> Test Temp*F Remarks <u>Ewk</u> - <u>4</u> <u>12</u> (Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE <u>fapar</u> <u>Willed</u> . (applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE <u>fapar</u> <u>Willed</u> . (applicable Manufacturer's Data Report are correct and this <u>beplactweter</u> <u>conforms</u> to Section X (Becard of Conner Designee) (Develor Owner Designee) (The (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date)		<u>†</u>		<u> </u>		<b>+</b>			<u> </u>
Pressurepsi Test Temp*F         Remarks $Euch - 4/2$ CERTIFICATE OF COMPLIANCE         (Applicable Manufacturer's Data Reports to be attached)         CERTIFICATE OF COMPLIANCE         CERTIFICATE OF COMPLIANCE         Certify that the statement made in this report are correct and this		++		·		WF11 / CI		100/10011	
SME Code. igned	Remarks.	Euk - 46	- 412		·	f			
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gned		t the statements	made in this r	eport are cor	rect and th	nis	eplaceme	EPT_conform	ns to Section XI of
(Dwild or Ölwner's Designee) (Dwild or Ölwner's Designee) CERTIFICATE OF INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Province of $/A$ , employed by $HSB$ $T \leq T$ $CU$ , $HAIH_{VA}$ , $CT$ , have inspected the full $AUMenT$ described in this Report on $/2-19$ ind state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, or g the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any or any personal injury or property damage or a loss of any kind arising from or connected with this Inspection. BE = 12-19-88 $Maut T$ . Code Commissions $MB > 009$ $Va = 543$	SME Code.	- NON	}	~	c-lin	d (reto	pair or replacen	$\gamma$ $\beta$	-
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at Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in, X 11 in.,	af Suppleme	ental sheets in fr	orm of liem. si		rewince m	ay be used b	rovided (1)		

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3. Work Per	formed by//	Address) 4. Pawer (Na	иле)			7 Organization F	3 44 5 20 No., Job No., etc.	
A	·	Preudia	iress) vulant	Gunbbe	W (IWF			
5. (a) Appl	ation of System. licable Construct	tion Code <u>183</u>	1.1	19_67	Edition,	NA	Addenda, Code	Cases NA
	ation of Compor						Addenda, Cod	le Cases _ <u>#17</u>
Name of Component	Name of Mfr.	Mfrs. Ser. No.	- Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Coo Stamped (Yes or No
Subbor	Paul Monros 2045 Scil.			-	1-RC-H83-	140 -	Replacement	M
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7. Descripti	on of Work	leved Ruf	ler Wit	H. She	\$ spare	L	,	
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9. Remarks		essure	Prin -	Temp.	tailation			
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We certify tha	t the statements	made in this r	eport are con	rrect and th	nisR	eplaume	utconform	s to Section XI
ASME Code:	ALL ST	4.	٦		end et to	ephir or replace	ment)	
Signed	(Owner or Owne	ns pesignee)		<u>-&gt; L   L</u> Title	CCY pro-	h Eryll.	<u>////</u> _, 19_ <u>00</u>	
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or Province of Hartfor and state that the ASME Co	to the best of a de. By signing	my knowledge this certificate,	and belief, t , neither the	Inspector	nor his émplo	yer makes i	onstructed in accordan any warranty, expressed or his employer shall be	d or implied, c

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FORM NIS-2 OWNER	'S REPORT	OF REPAIR	OR REPL	ACEMENT
As Required by	the Provisio	ns of ASME C	Code Sectio	n XI

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2. Plant	urry pow.	11 Station	idress)		Unit		····	· · · · · · · · · · · · · · · · · · ·
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3. Work Per	formed by	A POWLY			3	8000 53	3757	
		Same	/			organization P	O No., Job No., etc.	
4. Identifica	tion of System	Compunent	Coular	t (a	laws 3)			
5. (a) Appl	icable Construc	tion Code <u>83</u>	<u>.                                    </u>	19 <u>67</u>	Edition,.		Addenda, Code (	Cases NA
		of Section XI U nents Repaired					Addenda, Cod	e Cases <u>VA</u>
Name of	Name of	Mfrs. Ser.	· Nat'l.	CRN	Other	Year	Repaired,	ASME Co
Component	Mfr.	No.	Bd.	No.	Identi-	Built	Replaced,	Stampa
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VALVE	Hanry Pratt	N-86596-1	~	-	1-12-185		Replacement	NA
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Wo	rk Performed by VA	Power			38(	$200^{78}$	1390	· · · · · · · · · · · · · · · · · · ·
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	ntification of Compo						Aboende, Coc	
Name ( ompon		Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or	ASME Code Stamped (Yes or No)
Nu	TS Hardword His	02019990	NIA	NIA	1RC-FE 1480	NIA	Replaced Replaced	1/0
574	a C Had we	37882110	N/A.	NIA	1-RC-FE 1480	NIA	Replaced	NO
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2	Plant	Surry Pow	er Station	ddress)		Unk	ONE		•
		P.O. Box	315 Surry	VA 23	3883		-	_	
<b>J</b> .	Work Per	formed by VA	Power			38(	20080	SS2	<u>.</u>
		·	Same	me) Instal				.0 No., JOO NO., etc.	
4,	Identifica	ition of System		-	Safe		-ction		Cases NA
5.	(a) Appli (b) Appli	icable Construction c	tion Code <u>B3</u> of Section XI U	tilized for R	19 <u>67</u> Iepain er F	Edition, leplacements	- 19 80 V	Addends, Code 180 Addends, Coc	
6.			nents Repaired						
	ame of nponent	Name of Mir,	Mirs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Cod Stamped (Yes or No
ST	Th DS	the dware Special T	06070250	NIA	NIA	1-55-242	NIA	Replacement	Na
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 3. Work P	P.U. BOX enformed by VA	Addressi Povier	<u>VA 2</u> ;	3883	390	100 76	444 .0 No. Job No. SIE.	
J. WORK	·	<u>-Same</u>	me)		Repair	Organization P	0 No., Job No., etc.	
4. Identifi	ication of System		irest) 1_1	R.		Coola		Cases NA
(b) Ap		of Section XI U	tilized for A	lepairs or P		- 19.80, k	Addenda, Code 180 Addenda, Co	Contraction of the local division of the loc
6. Identifi Name of	Name of	Mirs. Ser.	or Replaced	CRN	Other	ponents Year	Repaired,	ASME Code
Component	Mfr.	No.	Bd. No.	No.	Identi- fication	Bullt	Replaced, or Replacement	Stamped (Yes or No)
STYDS	Hudware Specially	37882560	NIA	NIA	1-RC-135	NIA	Replaced	NO
NUTS	Handwood Specialty		NIA	NIA	1-RC-135	NIA	Replaced	NO
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7. Descript		IN ST Back				Barras I		
	onducted: Hy Pri	rdrostatie B assure <u>2335</u>	psi Test	Temp. <u>5</u> *	2.°F ST	4D5 F	°0±554-18	0092
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8: Tens C 9. Remark	onducted: Hy Pri Applicable Manufa	rdrostatie B essure <u>2335</u> ciwers Dau Repor	psi Test is to be attache CERTII	Temp. <u>5</u> 2 M FICATE (	2.°F ST	4D5 F ints Pi	Po#SSY-18 教194291	
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ATTACHMENT 2

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(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19.80, WBDAddends, Code Cases_BAIdentification of Components Repaired or Replaced, and Replacement Components       AsME Code         Name of Ocomponents Repaired or Replaced, and Replacement Components       Name of Mir.       No.       No.       Replaced, Stamped         Wate of Mir.       No.       8d.       No.       Identification       Replaced, Stamped       Stamped         "Mrt S       Conduct       No.       8d.       No.       Identification       Replaced, Stamped         "Mrt S       Conduct       No.       8d.       No.       Identification       Replaced, No.         "Mrt S       Conduct       No.       8d.       No.       Identification       Replaced, No.         "Mrt S       Conductation       02:030.8       N/A       N/A       Instructure       No.         Study       Mark S       Study       06070250       V       V       V       V         Description of Work       Repairs       Body: / Bowet / Irag k       Study       Study       No.         Description of Work       Repairs       Body: / Bowet / Irag k       Study       Study       No.         Remarks       Mydrostatic B       Pneumatic D       Nominal Operating Pressure D       Oth	i. Ioentirici i. Io) Appi	licable Construc	tion Code B3	1-1	19 67	/ /	NA	Addenda, Code	Cases NA
Name of Mfr.       Mfr. Ser.       Nat'L       CRN       Other       Year       Repaired, Built       ASME Code         amponent       Mfr.       No.       Bd.       No.       Identification       Built       Replaced, Stamped         "Mats       Crodinal       2 03008       M/A       M/A       I-st-238       M/A       replaced, No.         "Mats       Crodinal       2 03008       M/A       M/A       I-st-238       M/A       replaced, No.         "Mats       Crodinal       0 0070250       V       V       V       V       V         Description of Work       Repair       Body- Boaret /reak       V       V       V       V         Presure 2.335       pale       Preumatic       Nominal Operating Pressure       Other       Other       Pressure         Presure 2.335       pale       Test Temp. ft 2.       *F       Study fp.       Style fp.       Style fp.         Mats       fplicable Manufacturers Data Reports to be situched       Naty fplicable Manufacturers Data Report are correct and this       replacement       conforms to Section XI of         CEER TIFICATE OF COMPLIANCE       replacement       replacement       conforms to Section XI of         Mats       Weilden Mats       State<	(b) Appl	licable Edition o	of Section XI U	hilized for F				NBOAddenda, Co	de Cases <u>NA</u>
Description of Work       Repair       Bod       No.       Identi-fication       Built       Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced,			1	1	d, and Repl	acement Com	ponents		·····
No.     Ficetion     Or     President       "Mats     203008     N/A     N/A     1-5F-338     N/A     replaced     No.       "Mats     203008     N/A     N/A     1-5F-338     N/A     replaced     No.       Studs     Hadward     06070250     V     V     V     V     V       Description of Work     Repair     Bods.     Bonnet     Image: No.     V       Description of Work     Repair     Bods.     Bonnet     Image: No.     V       Pressure     Job 70250     V     V     V     V       Description of Work     Repair     Bods.     Bonnet     Image: No.       Pressure     Job 70250     V     V     V     V       Description of Work     Repair     Bods.     Bonnet     Image: No.       Pressure     Job 70250     V     V     V     V       Description of Work     Repair     Bods.     Bonnet     Image: No.       Pressure     Job 70250     V     V     V     V       Pressure     Job 70250     V     V     V     V       Pressure     Job 70250     V     V     V     V       Pressure     Job 7010     V </th <th></th> <th></th> <th>1</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>			1						
"Nats Conduct In all log 02 03008 N/A       N/A       N/A       1-55:238       N/A       replaced       No         Studs       Hardword       Description of Work       Special by 06070250       V       V       V       V       V       V       V       V       V       V         Description of Work       Repair       Bods       Bods       Bonnet 1/mak       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       V       <							DAIIT	1	
Martis     Industration     Marting     Marting       Studis     Hardwing     Ob070250     V     V     V       Description of Work     Repair     Bods: / Bonnet / Kak       Description of Work     Repair     Bods: / Bonnet / Kak       Tests Conducted:     Hydrostatic @     Pneumatic @     Nominal Operating Pressure @     Other @       Pressure 2::::::::::::::::::::::::::::::::::::	•		L					Replacement	
Description of Work Repair Bods / Bonnet / Pak Terts Conducted: Hydrostatic P Pneumatic Nominal Operating Pressure Of Other Pressure 2.330 psl Test Temp. 54 / 5 / 55 / -21 5 / 39 Pressure 2.330 psl Test Temp. 54 / 5 / 55 / -21 5 / 39 Mats 10 # CS Y - 22 7 4 78 CERTIFICATE OF COMPLIANCE recrify that the statements made in this report are correct and this <u>replacement</u> imed W. M. Mague ISI Aug. 19 P?	"Nats	Industrial	0203008	NA	NA	1-55-238	NIA	replaced	No
Description of Work       Repair       Bods: / Bonnet / Rak         Description of Work       Repair       Bods: / Bonnet / Rak         Tests Conducted:       Hydrostatic D       Pneumatic D       Nominal Operating Pressure D       Other D         Pressure 2.330       psl       Test Temp. ft 2.*F       Study for D SY - 210439         Remarks       (Applicable Manufacturer's Data Reports to be stucked)       Mt 5       10 H CS Y - 227478         CERTIFICATE OF COMPLIANCE         certify that the statements made in this report are correct and this       fcplacement         Mt 5         Mt 5       19 M         Mt 5         Onforms to Section XI of         Feature or repacement         Mt 5         CERTIFICATE OF COMPLIANCE         Certify that the statements made in this report are correct and this       fcplacement         Mt 5         Other fcolspan="2">Other fcolspan="2"     <	Studs	Handwore	06070250	V	I L	4	V	J J	J.
Tests Conducted:       Hydrostatic D       Pneumatic       Nominal Operating Pressure       Other         Pressure       2335       psi       Test Temp. $\underline{st2}^{\bullet}$ F $\underline{st4}$ $\underline{f6}^{\pm}$ $\underline{SSY} - 218439$ Remarks       (Applicable Manufacturer's Data Reports to be situched) $\underline{N_{ATS}}$ $\underline{f0}^{\pm}$ $\underline{CSY} - 227478$ CERTIFICATE OF COMPLIANCE         certify that the statements made in this report are correct and this       CPIGLEM of testaments         ME Code. $\underline{N_{ATS}}$ $\underline{ISI}$ $\underline{Auch}$ $\underline{ISP}^{H}$				<u>†</u>	1				<u>*</u>
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Identifica	tion of System	•	•	<b>19</b> 67	Safet	<u>Inject</u>	Addenda, Code (	Cases NA
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	·	nents Repaired	· · · · · · · · · · · · · · · · · · ·	·	1	1		
Name of component	Name of Mir.	Mírs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or	ASME Code Stamped (Yes or No)
Studs	Hadware Special Hirk	3788251	NA	AIN	1-55-PP	NIA	Replacement Replaced	NO
HexNS	Hondmine Speig 17:15	0201993	NA	NIA	1-SI-PP	NIA	Deplaced	NO
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	the statements	made in this re				Dail or replacen		
e certify that	the statements	made in this re	/		ļe (	1	nang Crđ	
e certify that	the statements	ane	<u>/</u>	ISI Trip	P P	106 12		
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e certify that SME Code. gned the undersig Province of_	Dunier or Dunie Ned, holding a	valid commissi	CERTI ion issued	ISI Telo FICATE (	DF INSPEC	TION of Boiler ar	ng Pressure Vessel Insp	ectors and the Sta 8-15, 198
e certify that SME Code. gned the undersig Province of lartford d state that t	ned, holding a VA. to the best of r	valid commissive inspected the	CERTI ion issued , employ 	ISI THE FICATE ( by the Nat red by He rement or Replaceme his repair o	DF INSPEC tional Board SB [*] I&I C( nuss describ r replacement	TION of Boiler ar	nd Pressure Vessel Insp port on	<u>8-15</u> , 198 ce with Section XI (
e certify that SME Code. gned the undersig Province of lartford d state that the e ASME Cod	ned, holding a VA. CI. have been been been been been been been bee	valid commissive inspected the this certificate,	CERTI ion issued , employ 	ISI THE FICATE ( by the Nat red by His rement or Replaceme his repair of Inspector of	DF INSPEC tional Board SB' I&I C( ni(s) r replacement hor his émplo	TION of Boiler ar ed in this Ri t has been co yer makes an	nd Pressure Vessel Insp eport on	$\frac{8-15}{100}$ , 198 ce with Section XI of or implied, concer
e certify that SME Code. gned the undersig Province of lart ford d state that the e ASME Cod the repair of	Dener or Dene (Dener or Dene ned, holding a VA. CI. have to the best of r ie. By signing to price replacement of	valid commissi valid commissi ve inspected the ny knowledge a this certificate, described in this	CERTI ion issued , employ , PCPAC [Reparts) ind belief, the neither the s Report. Fu	ISI THE FICATE ( by the Nat ed by He concent w Replaceme his repair o Inspector r urthermore	DF INSPEC tional Board SB' I&I C( nt(s) replacement for his émplo , neither the	TION of Boiler ar ed in this Ri- t has been co yer makes an Inspector no onnected with	nd Pressure Vessel Insp eport on	$\frac{8-15}{100}$ , 198 ce with Section XI of or implied, concer

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<ul> <li>Identification of System</li> <li>(a) Applicable Construction Code <u>B31-1</u> 19_67.</li> <li>(b) Applicable Edition of Section XI Utilized for Repairs on</li> <li>Identification of Components Repaired or Replaced, and Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced or Replaced, and Replaced No.</li> </ul>	Feb <u>Feb</u> <u>Edition</u> r Replacement conternation l Other I denti- fication	Nectron n. 11A s - 19_80, W mponents Year Built Built	543 D No. Job No. sic. Addenda, Gode	
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<ul> <li>Identification of System</li> <li>(a) Applicable Construction Code <u>B31-1</u> 19 67</li> <li>(b) Applicable Edition of Section XI Utilized for Repairs on</li> <li>Identification of Components Repaired or Replaced, and Replaced No.</li> </ul>	Edition r Replacement eplacement Co- l Other Identi- fication A 1-52-P-1	n, <u>IIA</u> s - 19_80, <u>W</u> mponents Year Built Built	80 Addende, Cox Repaired, Replaced, or Replacement <u>Replaced</u>	de Cases <u>NA</u> ASME Code Stamped
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Component Mir. No. Bd. No. 8"Nut Hadward Goreinith Ob12692 N/A N// &"Study Handware Specially 3788261 N//A N/A 	Identi- fication A 1-52-P-11	Built B N/A	Replaced, or Replacement <u>Replaced</u>	Stamped
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7. Description of Work Replace Dis	charge fla	mye Gasi	tet	
8. Tests Conducted: Hydrostatic D Pneumatic D Ne Pressure 1804 psl Test Temp.A	ominal Operati	-	•	
9. Remarks			0# 35Y-224	
		> Heds P	0 # SSY - 244	681
CERTIFICATE	E OF COMPL	IANCE		······································
We certify that the statements made in this report are correct and	this	acong t	conform	is to Section XI of
ASME Code.	. /	Pepart or replacent		
SignedISI (Owner's Designed) Title	the second second second second second second second second second second second second second second second s	(Date)	, 19	-
CERTIFICAT	E OF INSPE	CTION	· <u>·</u> ··································	
I, the undersigned, holding a valid commission issued by the I			d Pressum Vessel Inc	pectors and the S
or Province of VA, employed by			·	
Hartford, CT. have inspecied the replacement			port en	8-15,19
		nt has been co	nstructed in accordan	
and state that to the best of my knowledge and belief, this repair		ioyer makes an		5 or implied, conc
the ASME Code. By signing this certificate, neither the Inspecto ing the repair or replacement described in this Report. Furthermo	or nor his émpl	Inspector nor	his employer shall be	: liable in any mai

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ATTACHMENT 2

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		P.O. Box	315 Surry	VA 2	3883				
3.	Work Per	formed by VA	Power			_380	00 67	7146	
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4.	Identifica	ation of System	· · · · · · · · · · · · · · · · · · ·	(8.8.9)	Servi				
5.	(a) Appl	icable Construc	tion Code <u>B3</u>	-1	19_67	Edition,		Addenda, Code	
6.	(b) Appl Identifica	icable Edition (	of Section XI Ui nents Repaired	ilized for F or Replace	Repairs or P d. and Repl	eplacements	– 19 <u>. XU, k</u>	180 Addends, Co	de Cases <u>NA</u>
 N	erne of	Name of	Mfrs. Ser.	-Nat'l.	CRN	Other	Year	Repaired	ASME Code
Cor	nponent	Mir.	No.	Bd. No.	No.	Identi- fication	Bulk	Replaced, or Replacement	Stamped (Yes or No)
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8. 9.		Applicable Manufa	rdrostatic essure 55 # + (5Y -1960) clover's Data Report	s to be stiach	Hex FICATE C	Mat for _	555-213	2"Bipe Pot C 298 - Studs	SJ- 12838 Po [#] < SY-219
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			4. Kaze	N	ISI		has 11		
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ASH	ed		· · · · · · · · · · · · · · · · · · ·	CERT	FICATE	DF INSPEC	TION	· · · · ·	
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ASN Sign		ned, holding s	valid commissi	ion issued	by the Nat	ional Board	of Boiler ar	d Pressure Vessel Ins	pectors and the S
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ASN Sign I. th X Pr Ha Ind :	e undersig rovince of_ <u>rtford</u> state that t ASME Cod	Ined, holding a VA CT he to the best of r le. By signing 1	ve inspected the my knowledge a this certificate,	ion issued , employ <u>repla</u> [Repairs) nd belief, t neither the	by the Nat yed by <u>II</u> <u>c</u> c c c c c <u>his</u> repair o Inspector o	tional Board <u> <u> B</u>[*] I <u>A</u> I <u>C</u> <u> C</u> <u> describu</u> r replacement nor his emplo</u>	of Boiler ar ) ed in this Re has been co yer makes ar	port on Instructed in accordancy warranty, expresse	8-15, 19. net with Section XI d or implied, conce
ASN ign , th A Pr Ha nd the he /	e undersig rovince of_ <u>ntford</u> state that t ASME Cod he repair o	Ined, holding a VA CT	ve inspected the my knowledge a this certificate, described in this	ion issued <u>replay</u> <u>JRepairss</u> nd belief, t neither the Report. F	by the Nat yed by <u>His</u> or Replaceme his repair o Inspector r urthermore	tional Board <u>B[*] I &amp; I CC</u> <u>DB[*] I &amp; I CC</u> <u>DB[*] I &amp; I CC</u> describer replacement nor his emploor , neither the l	of Boiler ar ) ed in this Re has been co yer makes ar nspector no	port on	8-15, 19 net with Section X d or implied, conce

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3. Work Per	formed by <u>VA</u>	-Same	me)		380 Repair (		P.O No., Job No., etc.	·
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5. (a) Appl	ation of System licable Construc	tion Code <u>B3</u>		<u>9 67</u>	Edition,	<u>11A</u>	Addenda, Code	
		of Section XI Ui inents Repaired					<u>Al80                                    </u>	de Cases <u>NA</u>
Name of	Name of	Mfrs. Ser.	Nat'l.	CRN	Other	Year	Repaired,	ASME Code
Component	Mir.	No.	Bd. No.	No.	Identi- fication	Bulh	Replaced,	Stamped (Yes or No)
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"Studs	Lordin I Industrieri	416-16950	NA	NIA	1-5W-P-1A	NA	Replaced	No
<u>"Bolts</u>	Condinal Industries	41646880	· \				1	1
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Studs	Cindinal Industrial	<u> </u>	V.		Ψ	¥.		4.
7. Descriptio	on of Work	Kepla	ice Ke	plicat				
8. Tests Cor	nducted: Hy	drosutic	Pneumatic nel Test		inal Operating	Pressure	🗹 Other 🗋	
9. Remarks	5"Stud	$P_0 \neq CS \neq -a$	246898		Bolts Po	#CS7-	246898 - 13 1	lut Po # 554-1987
Nuts	POPCSY	-219481;	15"B	olts PC	1#559-2	16264 -	Studs Po#C.	58-206074
			CERTI		F COMPLI	ANCE		
We certify that	t the statements	made in this re				placen	ent conform	ns to Section XI of the
ASME Code.	-				¥e.	pair or replace	meni)	
Signed	Owner or Owne	r's Designes)			(D)	14)	, 19	
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Hartford	CT. he	ve inspected the	<u>repla</u>	centr T	describe	d in this R	eport on	8-15 1989
	to the best of a	my knowledge a	(Repairs) o nd belief, th	N Replacement	nt(s) replacement	has been c	onstructed in accorda	nce with Section XI of
ind state that		this certificate,	neither the	Inspector r	or his émploy	yer makes a	ny warranty, expresse	d or implied, concern-
the ASME Coc		uescruped in 108						e neore in any manner
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. PI	ant	Surry Powe	er Station	)		Unit	ONF		•
-	]	0. Box	315 Surry,	VA 23	883			- (	• •
W	ork Per	formed by VA	Address) Power			_38(	00 778	- / .6 O Ho, Job No, etc.	
		·	-Same						
ld	lentifica	tion of System			19 67	Safety -	Injectio		Cases NA
. (a (b	i) Appli i) Appli	cable Construction c	tion Code <u>B31</u> of Section XI Ut	ilized for R		eplacements	- 19.80, W	<u>Addenda, Code</u> 80 Addenda, Cod	
Id	lentifica	tion of Compo	nents Repaired	or Replaced	, and Repla	cement Com	ponents		
Name ompo		Name of Mir.	Mírs. Ser. No.	Nst'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
 	What	Hondwore Specialty	020/993	NIA	NA	LSI-P-JA	NIA	Replaced	ND
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				CERTIF	ICATE C	F COMPLI	ANCE		
certi	ify that	the statements	made in this rep			004	lacency t	conform	s to Section XI of the
MEC	•	· A O	1	,		(pe)	pair or replacem	enQ	
neđ_		Dener or Owner	ADT CA	<u>s/</u>	<u>ISI</u> Tate	(D)	14-16. (	2, 19	
		·			· · · · · · · · ·				
				CERTI	FICATE (	OF INSPEC	TION		
								d Pressure Vessel Insp	pectors and the State
	nce of			, employ	ed by <u>HS</u>	<u>B. 181 CO</u>	La	<u></u>	ot 8-1,5 1989
			e inspected the						, , ,
-	_							nstructed in accordan y warranty, expressed	ce with Section XI of for implied, concern-
	repair o	r replacement d	lescribed in this	Report, Fu	irthermore,	neither the l	nspector nor	his employer shall be	liable in any manner
the a	personal		erzy amage or		y king arisi	ing from or ci	onnected wit	h this inspection,	$\zeta U z$
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ATTACHMENT 2

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3.	Work Perf	ormed by VA		(10)			000 619	26 ONO_JOO NO_OR	·····
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4, 5.	Identificat	tion of System	tion Code B3	l-1	<u>Kea</u> 19 67	Edition	11A	Addenda, Code	Cases NA
-	(b) Appli	cable Edition (	of Section XI U	ilized for R	epairs or F	leplacements	- 19.80, 1	180Addenda, Co	
6. N	Identification	Name of	Mirs. Ser.	Nat'L	CRN	Other	Year	Repaired.	ASME Code
	mponent	Miz.	No.	Bd. No.	No.	Identi- fication	Built	Replaced, or Replacement	Stamped (Yes or No)
¥	"STUDS	Hindwore Specially	3788281	NIA	NTA	1-KC-SU- 1551B	NIA	Replaced	NO
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7.	Descriptio	n of Work	Over	haul l	lailve				
8.	Tests Cond	ducted: Hy	drosusie	Descurrente		inal Operatin	g Pressure [		
9.	Remarks_		clurer's Data Report			Z°F 13/8		PO# SY - 14	
			S PO#CS				TUDS Pi NUT PO	)#CSY-1170: *CSY-17851	30
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	certify that	the statement	made in this re				lacement		ns to Section XI of t
Nie i	Person treat		1			þe	Part or replaced	nentj	
	ME Code.	1. h. k	To Designed		<u>ISI</u> Trio		<u>ug. 11</u>	, 19_82	
ASA		Owner or Owne				<u> </u>			
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ASA Sign J, 11 A Ha Ind Ind Ind	he undersign rovince of_ artford, state that t ASME Code the repair of	VA. CT. based by the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of the best of t	ve inspected the my knowledge a this certificate, described in this	ion issued <u>, employ</u> <u>, Peplac</u> <u>(Reparts)</u> nd belief, ti neither the s Report. Fi	Ment Ment or Replacement his repair of Inspector is urthermore	SB* I&I Cl nusi r replacement nor his émplo , neither the l	ed in this Re t has been co yer makes as Inspector no	instructed in accorda	nce with Section XI ed or implied, conce

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ATTACHMENT 2

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			(dress)	<u> </u>		She	AITE OI	·
	-	315 Surry		3883	Unit			· ·
Work Per	formed by VA	Power	(me)				92 / 0 No. JOD NO. BIC.	
	•	Same	(ress)		0 1	~	1	
Identifica (a) Appli	tion of System	tion Code B3	1-1	19 67	<u>Keacto</u>		Addenda, Code (	Cases NA
(b) Appli	cable Edition of	of Section XI U ments Repaired	tilized for R	lepairs or P	eplacements	- 19_80, 1	180Addende, Cod	
Name of	Name of Mir.	Mfrs. Ser. No.	Nat'L Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped {Yes or No}
\$'STUD	Hend Vart Speciality	3788281	NIA	NIA	1-RC-5U- 15515	NIA	Replaced	·No
STUDS	Sales Systems	3788261			1		<u>j</u>	
"STUDS	Hondware Speciality AEG	3756641		<b> </b> /				
Muis	Engileering	02030110	V .		<u> </u>		· V	
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	L			Valu	e •	I	L	·····
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			······					
			•	-	DF COMPLI	ANCE	}	
certify that ME Code.	the statements	made in this re	port are cor	rect and th	is_ <u>rcp70</u>	part or replacent		to Section XI of the
ned	Puner or Owne	rs Designed	∧	ISI		<u>6 11</u>		-
<del>.</del>			CFRTI	FICATE	DF INSPEC	TION		
ha madanta.	ned, holding a	valid commiss					id Pressure Vessel Insp	ectors and the State
me undersige	11.8			ed by	<u>B. 181 C(</u>	)		of 8-15089
Province of						ed in this Re		

the number of sheets is recorded at the top of this form.

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		FORM NIS-2 As Req			ons of ASM			
1. Owner_	lirginia	Power				Det	8/11/8	9
	P.O. Box	26666 *	iame)			She	1	· <u> </u>
2. Plant	Surry Pow	er Station	101958) ]		Unit	1		•
l	2.0. Bóx	315 Surry	VA 23	3883		(1a)	25	· ·
. Work Perl	lormed by <u>VA</u>	·	me)		38( Repair	000 - 619	<u> </u>	
	·	•	iress)	Ra	1 (	olant		
l. Identifica 5. (a) Appli	tion of System cable Construc	tion Code B3	l-1	<u> </u>	Edition,	NA	Addenda, Code	Cases NA
(b) Appli	cable Edition e	of Section XI U	tilized for R	epairs or F	Replacements	<b>- 19</b> _80, k	180Addenda, Cod	
Name of Component	Name of Mir,	Mfrs. Ser. No.	Nat"L Bd. No.	CRN No.	Other Identi- fication	Year Bullt	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
38"STUDS	Handwore	3788281	NIA	N/A	1-4C-30- 1551 Å	NIA	Replaced	ND
q"STUDS	J	3756641	1	1	1	1	1	
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					138		<u>Po≠ csy</u>	-178514
					OF COMPLI	ANCE Dacener	+ .	
ve certify that SME Code.	the statements	i made in this re	port are col	rect and th	18f #e	Dail or lephacer	)conform nent)	s to Section XI of the
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•			CERTI	FICATE	OF INSPEC	TION		·
							nd Pressure Vessel Insp	pectors and the State
Province of_ Hantford					SB. 181 C			-15 1989
Hartford,		ve inspected the					eport on anstructed in accordan	
e ASME Cod g the repair o	e. By signing t r replacement (	this certificate, described in this	neither the Report, Fi	Inspector i urthermore	nor his Emplo , neither the l	yer makes a Inspector no	ny warranty, expressed r his employer shall be th this inspection.	for implied, concern-
<i>c</i> (1	5-89	Vr. V.	VI IU	U	Commiss	ALD.	7009 Va 54	S

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·1.		Virginia					Det	8/17/	89
		P.O. Box	20000	Verne)			She	no	1
2.	Plant	Surry Pow	<u>er Statio</u>	odress) 1		Unit	DNE		•
	J	P.O. Bóx	315 Surry	VA 23	3883		_		
3.	Work Per	formed by VA	Power			380	<u>100 781</u>	57	
		·	-Same	vne)		Repair (	Organization P.	O No., Job No., etc.	
4.	Identifica	ntion of System		ress) Rt	eactor	Coolar	+	<u>.</u>	
5.	(a) Appli	icable Construc	tion Code <u>B3</u>	1-1	19_67	Edition,	INA	Addenda, Code	
<b>5</b> .			of Section XI U nents Repaired					<u>80                                    </u>	Se Cases <u>NA</u>
N	me of	Name of	Mirs, Ser.	Nat'L	CRN	Other	Year	Repaired.	ASME Code
Cor	nponent	Mir.	No.	Bd.	No.	Identi-	Built	Replaced,	Stamped
				No.	ł	fication		or Replacement	(Yes or No)
Λ	111-0	Hendwarp	02 - 1999 -	NIA	ALA	1-RC-FE	NIA	- 0 - 1 - 7 -	NO
<u></u>	<u>LUIS</u>	Handword	02019990		ALLA	1482 1-RC-FE		<u>Replaced</u>	
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			11111 2335		Temp. <u>S</u>				
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·•						OF COMPLI			
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	-	the statements	made in this re	port are cor					
S₩	E Code.	the statements	made in this re	port are cor				s ~?	
S₩	E Code.	the statements	al		ISI THIO		<u>416.1</u>	2, 19_89	<u>~</u>
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S₩	E Code.	Julla	al		ISI Thio		<u>fue 1</u>	≥, 19_ <u>8</u> 9	
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~1. Owner_	V	D	-				7/26/8	-9
	<u>Virginia</u> P.O. Box		Name)			Det She		
2 Plant_	Surry Pow	er Statio	odress)		Unit	ON	· — - · · ···	
	P.O. Box	315 Surry	VA 2	3883				
3. Work Pe	rformed by VA				<u>_38(</u>	<u>100 501</u>	42	·····
	·	-Same	(Rear)	5				
4. Identific 5. (a) App	ation of System licable Construc	tion Code B3	1-1	<u>Seru:</u> 19 <u>67</u>	<u>ce Wai</u> Edition,		Addends, Code	Cases NA
· (b) Арр	licable Edition (	of Section XI U ments Repaired	tilized for F	Repairs or F	Replacements	- 19_80,1	80Addenda, Co	
Name of Component	Name of Mtz.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or	ASME Cod Stamped (Yes or No
	Goodall		11/4		1-SW-RE'S	1.TA	Replacement	
Expension D: 15	1 Kupper Combine	2020260	NIA	N/A	1-SW-KEJ	NA	replaced	NO
Studs	PRODUCTS	06070250	N/A	NIA	1-3W-N-3	NIA	replaced	NO
				·				
	+	·	·	<u> </u>	<u> </u>			
							_·	
7 Deverioui	an of Work		L	I				<u> </u>
7. Descripti 8. Tests Co 9. Remarks	Pr	rdrostatic D essure 202		Temp/	<u>07</u> °F	Studs Pc	3 Onher □ D [±] <sy -="" 1789<br="">Dont Po[±] 57-</sy>	
8. Tests Co	nducted: Hy Pri	essure <u>NOP</u>	psi Test	Temp/	<u>oz</u> •F	Studs PC Expansion:		
8. Tests Co. 9. Remarks	nducted: Hy Pri (Applicable Manuta	essure <u>NO</u> A	psi Test Is to be strache CERTI	Temp		Studs PC Expansion:	0 [±] <sy -="" 1789<br="">But Po[±] 5Y -</sy>	122531
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8. Tests Co 9. Remarks 	nducted: Hy Pri (Applicable Manuta t the statements	essure NOP clurers Data Report	psi Test Is to be strache CERTI	Temp FICATE ( rrect and th ISI	DF COMPLI	Studs PC Expansion ANCE Accorca Accorca Main or reprocess	0 [±] <sy -="" 1789<br="">But Po[±] 5Y -</sy>	122531
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		As Req	uired by t	he Provisio	ons of ASME	E Code Se	ction XI	
1. Owner	lirginia	Power				Da	7/31/89	
	P.O. Box	26666 *	iame)		·	Sh		»r1
2. Plant	Surry Pow	er Station	0dress) ]		Unit	ON,	E	· · · · · · · · · · · · · · · · · · ·
		315 Surry	VA 2:	3883		00 82	ek I	
3. Work Perl	ormed by VA	Same	m <b>e</b> )		<u>380</u> Repair (	Organization I	P.O No., Job No., etc.	
. Identifica	tion of System	(A.00	iress)	Corpo 19.67	net Co	oliny		· .
5. (a) Appli	cable Construc	tion Code <u>B3</u> of Section XI U					Addenda, Code	
		nents Repaired			1	•	180Addenda, Co	de Cases <u>NA</u>
Name of Component	Name of Mir.	Mfrs, Ser. No.	Nat'i, Bd. No.	CRN No.	Other Identi- fication	Year Bullt	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes.or No)
34"Nut	Carding ] Industrial	02019970	NA	MA	1-CC-ENB	NIA	Replaced	No
4"Studs	Honorwore Special the	3788256			1-06-2-18	.1	Replaced	NO
Studs	Cand Ing ? Indus Dig!	4158430			1-1c-E-1B		Replaced	NO
Styds	Hadney Specialties	40066232	V		1-ce-E-B	V.	Replaced	NO
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. Descriptio		Open,		, Clos		excha		
. Descriptio . Tests Cond	lucied: Hy Pri		Pneumatic psl Test		inal Operating	Pressure	D Other Dock	49744
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. Descriptio J. Tests Cond P. Remarks 2 Stud	ducted: Hy Pri <u>325700</u> upplicable Manuta 10  CS		Pneumatic psl Test 2.5 s to be attache	□ Nom Temp	inal Operating	Pressure	D Other Dock	49744
. Descriptio J. Tests Cond P. Remarks 2 Stud	ducted: Hy Pri <u>325700</u> upplicable Manuta 10  CS	drostatic essure NO P SSURE NO P SSURE ADDA ACE ciurers Data Report Y ~ 130 935	Pneumatic psl Test s lobe atlache , 27-2 LS 0 8/1	□ Nom Temp ¶¶ 744 , CSY ~	inal Operating 22°F 230422 DF COMPLI	ANCE	Unit foto y - 2	49744
2. Descriptio 3. Tests Conc 4. Remarks 3. Stad Oth	ducied: Hy Pr <u>325700</u> policipile Manufa Policipile Manufa VS1_dS P	drostatic essure NO P SSURE NO P SSURE ADDA ACE ciurers Data Report Y ~ 130 935	Pneumatic psl Test 5 lobe attache 25 0 8/1 CERTII	Nom Temp. 24 99744 , C59~2 FICATE (	inal Operating 22°F 230422 DF COMPLI	Pressure    34 /	<b>Unt</b> /0 ⁺⁺ CSY-2	49744 ns to Section XI of the
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	Virginia P.O. Box		iame)			Di	ert	······
2. Plant	Surry Pow	er Station	idress)		Unit	3"		
	•_ ·	315 Surry	-	3883				
3. Work Per	formed by VA	Power				000814	116	·
	. •	-Same	me) 				P.O No., Job No., etc.	`
. Identifica	ntion of System	· ·	. (	Compon		no ling		Carer NA
5. (a) Appl (b) Appl	icable Construct Icable Edition (	ction Code <u>B3</u> of Section XI U	ilized for F	19 <u>07</u> Repairs or F	Edition Replacements		Addenda, Code <u>W80</u> Addenda, Co	de CasesNA
5. Identifica	ition of Compo	nents Repaired	or Replace	d, and Repl	acement Con	Ponents		<del></del>
Name of Component	Name of Mir.	Mirs. Ser. No.	· Nat'l. Bd.	CRN No.	Other Identi-	Year Built	Repaired, Replaced,	ASME Code Stamped
			No.		fication		or Replacement	(Yes or No)
NUT	Hudume specially	37591750	NA	NIA	1-01-58	NIA	replaced	No
EXNUTS	Handwore Stecialty		NIA	1/A	1-cc-58	IIIA	replaced	NO
Studs	Handware Specially	0616331	NIA	NIA	1-0-58	NIA	replaced	NO
	Speciality			¥	/	1/1/-	1 repiqueo.	
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	·	Overhan	1 Ch	eck Val	<u> </u>	£		<b></b>
<ol> <li>Description</li> <li>Tests Control</li> </ol>		rdrostatic D	Pneumatic	Nor	inal Operatin	g Pressure	Other D	
. Remarks	Pr	essure Alon	psi Test	Temp. <u>M</u>		h+ PO=	+ SSX-19720	3
	Applicable Manuta	cturer's Data Report	s to be attach	•c)			- 557-213292	8
					~8"5		557-210835	
	,	. •			DF COMPLI			
le certify that SME Code,	the statements	made in this re	port are co	rrect and th	)is#e	pair or replace		ns to Section XI of
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		ir a Designaeje	<del></del>	· · · · · · · · · · · · · · · · · · ·				
•	-		CERT	FICATE	OF INSPEC	TION		
-	-			-			nd Pressure Vessel Ins	pectors and the St
Province of_			employ	red by	<u>SB-1&amp;I_C(</u>			8-22 19
nartiora		ve inspected the						
	e. By signing t	this certificate,	neither the	Inspector	nor his émplo	yer makes a	onstructed in accordar iny warranty, expresse	d or implied, conce
e ASME Cod					-		or his employer shall b ith this inspection.	e liable in any man
nd state that is a ASME Cod g the repair o	i injury or proc						~ ^ ^ ~	1. 7
nd state that is a ASME Cod g the repair o	1 injury or prop 11-89	120be	MJ. (	Joch	Commiss	ions///	State or Province, Na	

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-1.	Owner	Virginia	Power ·				Ð	7/31	189	
••		P.O. Box		(eme)				ert1	ot1	
2	Plant	Surry Pow	er Station	ddress)		Unit	ONE		•	
	r 1841	P.O. Box 315 Surry, VA 23883							······································	
•		Work Performed by VA. Power					38000 75483			
3.	(Nama)					Repair Organization P.O No., Job No., etc.				
		·	(Acc	ress)	Sancia	e Water	r			
4, 5.	(a) ADD	etion of System licable Construc	tion Code B3	1-1	19 67	Edition	NA	Addenda, Cod	Cases NA	
-	(b) App	licable Edition (	of Section XI U	tilized for I		Replacements	- 19_80, 2			
6.			nents Repaired	r	· · · · · ·	lacement Com	· · · · · ·		·····	
	nne of noonent	Name of Mfz.	Mirs. Ser. No.	- Nat'l. Bd.	CRN No.	Other Identi-	Year Bullt	Repaired, Replaced	ASME Code Stamped	
				No.		fication		or	[Yes or No]	
····								Replacement	l	
Val	ve	Buyen Pipe Conpay	4/53490	NIA	NIA	1-54-313	NIA	Replaced	NO	
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			· <u> </u>	CERTI	FICATE	OF COMPLI	ANCE			
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ASN	IE Code.	$(i) \rho_{I}$	1		101		pan or replace			
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oc Pr	ovince of_					SB. 181 CO	)		<b>•</b> • • •	
	rtford	<u> </u>	ive inspected the		cenent	describ	ed in this F	eport on	8.22 , 19	
Ha				ind belief,	this repair c	or replacement		onstructed in accorda		
and s								any warranty, express or his employer shall b		
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1. Owner_	Virginia	Power				De	7/26/89	
	P.O. Box	26666 📍				Shi	Het	of1
2 Plant	Surry Pow	er Statior	idress)		Unit	ONE	· · · · · · · · · · · · · · · · · · ·	•
	-	315 Surry.		3883		•.	-	
. Work Per	formed by VA	Power			380	00 491	13	······
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. Identifica	ation of System	(Add		<u>Service</u> 19 <u>67</u>	hater			
i. (a) Appl	licable Construc	tion Code <u>B31</u>					Addenda, Codi 180 Addenda, Co	
		onents Repaired					<u> YOU</u> Adoenda, Co	
Name of Component	Name of Mir.	Mfrs. Ser. No.	Nst'l, Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Jalve	Will Fowell	41226010	NIA	NIA	1-5-113	NIA	replaced	NO
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_	on of Work	Replace	Value					
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Tests Cor Remarks	Pr	Clurer's Data Report	· .	d				
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., (2) Information in Itams 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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## ATTACHMENT 2

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-1. Owner_	/irginia_	Power				Det	8/30/	189
	P.O. Box	26666	Name;			She	n. 1	11
2. Plant	Surry Pow	er Statio	n		Unit		ONE	
	P.O. Box	315 Surry	VA 23	3883			. н	• •
3. Work Peri	lormed by VA		amaj			00 81	610	:
	·	Same	dress)	<u> </u>	0			
4. Identifica 5. (a) Appli	tion of System	ction Code <u>B3</u>	1-1	<u>(onpon</u> 10 67	<u>ent</u> Loo	ling	Addenda, Code	Cases NA
(b) Appli	cable Edition	of Section XI U	hilized for R		eplacements			
	r ·	onents Repaired	7	T		·		
Name of Component	Name of Mfr.	Mírs, Ser. No.	Nat'l. 8d. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Cod Stamped (Yes or No
8"Nuts	Handware Specialt	06 1581-1	NIA	NIA	1-66-10-110B	NIA	Replaced	ALO.
34"STUDS	V	3788256	ALLA	NIA	1-4-10-1108	NIA	Replaced	No
							proce	
				[				
		1	1					
			1.					
7. Descriptio	- of West	Repair	Valve					
8. Tests Con	ducted: H	ydrostatie D	Pneumatic			Pressure C	Other 🖸	····
S. Remarks_				Temp	<u>27_</u> °₽ /	MTS PO	#551-21970	
	Applicable Manuta	iciurer's Data Repor	15 to be stiache	d	<u>S</u>	TUDS PO	# KSJ-23093	5
			•	_	DF COMPLI		L .	
We certify that ASME Code.	The statement	s made in this ri	sport are cor	rect and th	13 (p/		conform	is to Section XI d
Signed	· L. la	an	, 	IŚIe	46	Sept 5		<u> </u>
				•***				
			CERTI	FICATE	DF INSPEC	TION		
l, the undersign	ned, holding a	valid commis					d Pressure Vessel Ins	pectors and the
or Province of 	_ <u>VA.</u>			•	SB [•] I&I_CC			a r
	(°) .	ive inspected th	- MPV19	cen en-	T decestion	d in this Re	000 00 D00	7-5

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ATTACHMENT 2

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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is BX in. X 11 in., (2) Information in Itams 1 shrough 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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		<u>Virginia</u> P.O. Box		Namej			Det She	······································	• 1
	2. Plant	Surry Pow	er Statio	1007 <b>833)</b>		Unit	ONE	······································	
		P.O. Box	315 Surry		3883				· ·
	3. Work Pe	AT ve tema	Power			380	00 783	0 No. JOO No. ME.	
•		·	Same	Great)					
	5. (a) App	etion of System licable Construc	tion Code B3	1-1	19 <u>67</u>	<u>eactar</u> C Edition,	<u>NA</u>	Addenda, Code	
			of Section XI U Inents Repaired					180Addende, Coo	de Cases <u>NA</u>
	Name of Component	Name of . Mir,	Mîrs. Ser. No.	-Nat'l. Bd. No.	CRN No.	Other Identi- fication	Yesr Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or Nol
669	) NUTS	Hudward Specialty	02019990	NIA	NIA	1-RE-FNG	NIA	Replaced	:20
8 EA	STUDS	1	3788261		2	1-RL-FNG	NIK	Replaced	NO
								,	
	•								
		<u> </u>	· · ·	[ ·					
	7. Descripti	on of Work	ß	eplace	Flange	Gaster	F2	· · · · · · · · · · · · · · · · · · ·	
	8. Tens Cor	nducted: Hy	rdrostatie E	Pneumatic	Nom	inal Operating	Pressure (	Ciher D	•
	9. Remarks,		clurer's Data Report	-		<i>\</i>		*219481	
	······					<u>S7</u>	ups lo	#224228	
				CERTI	FICATE	DF COMPLI	ANCE		
	We certify that	the matements	made in this r	• • • •			cenent		s to Section XI of
	ASME Code	01				¥			
	Signed_4	Ouner & Owne	K's Designee)		<u>ISI (</u> Tate	ten G.	SEPT.	E, 19_ <u>&amp;</u>	
ſ								·	
						OF INSPEC			<i></i>
	or Province of_	-				<u>B[*] I&amp;I_CC</u>		ad Pressure Vessel Ins	pectors and the a
		. CT. ba	ve inspected th	- repla	96 en er."	t describe	d in this B		9-5 19
	Hartford	90 <u>مىرىماتىغىلامى</u> ت		[Reparts)	or Replacement		has been co	onstructed in accordan	
	Hartford	to the best of a	mv knowledge i						
1	and state that the ASME Cod	to the best of a fe. By signing	this certificate,	neither the	Inspector r	nor his émploy	•	ny warranty, expressed ir his employer shall be	

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ATTACHMENT 2

ATTACHMENT 2

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	<u>Virginia</u>	Power				Det	8/30/8	- 9
	P.O. Box	20000	1emej			She	mo	1
2. Plant	Surry Pow	<u>er Statio</u>	00ress) ]		Unit	ØЛ	IE	•
	P.O. Bax	315 Surry	VA 23	3883	-		-> 6-7	
3. Work Pe	formed by VA		mej	· · · · · · · · · · · · · · · · · · ·	<u>380</u>	00 78	0 No. 100 No. FL.	
	·	Same	(mas)		-	•		
4. Idensific	ation of System		-	Keact 19 67	en (oo lan Edition,	- <u>+-</u>		Cases NA
5. (a) App (b) App	licable Construction (	tion Code <u>B3</u>		epairs or B	Edition,	- 19 80 V	Addenda, Code 180 Addenda, Cod	
6. Identific	tion of Compo	nents Repaired	or Replaced	l, and Repl	cement Com	ponents		
Name of Component	Name of Mir.	Mirs. Ser. No.	- Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Bullt	Repaired, Replaced, or Replacement	ASME Co Stamped (Yes or No
ST. DS	Hendware	3788261	NIA	NIK	1-RC-FNG	NIA	Replaced	NO
STUDS NUTS	Specialty_	1	- /0//	1 J		1011		100
juirs		02019990	¥	×	¥	+	Rephied	No
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	***************************************	0 1	N	<u> </u>	<u></u>			·
	on of Work	Replace						
E. Tests Col	nducted: Hy	rdrosunie D	Pneumatic		inal Operating	Pressure (	<b>] Other []</b>	24228.
h Remarke		*1501* <u>~~</u>	psi Test	Temp. <u>5 %</u>	2.1	STUDS	Pot (SY - 2)	Hart an
9. Remarks	Applicable Manufa	cturer's Data Repor	is lo be stiache	d		AUUT	20 = CSY-219	481
<del></del>						NWD P	0 (31 211	
			CERTI	FICATE C	оғ сомры	ANCE		
<b></b>			•		nalla	enert		s to Section XI
Ne certify that	the statements	: made in this re	port are con	LECT SUG IN	h <u>r cpm</u>		Contonna contonna	
Ne certify that ASME Code.	the statements	i məde in îhis re 1	port are cor	LECT BUG IN		part or replacer		
	the statements	s made in shis re I rock		ISI e				

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M. 7

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

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-1. Owner_ <u>Virginia Power</u> P.O. Box 26666 Plant_ <u>Surry Power Station</u> 
2 Plant_SUFTY POWER Station
P.O. BOX 315 SUPPY, VA 23883 Box 315 SUPPY, VA 2088 Box 315 SUPY, VA 2088 Box 315 SUPY, VA 2088 Box 315 SUPY, VA 2088 Box 315 SUPY, VA 2088 Box 31
Name     Nepart Organization P.ONO, 300 NO, 842       4. Identification of System
<ul> <li>Identification of System</li></ul>
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19_BD, <u>MBD</u> _Addends, Code Cases
Component Mtr. No. Bd. No. Identi- No. No. Identi- fication Built Replaced, Star Replaced, Meridian 37882660 N/A N/A I-FW-142 N/A Replaced N(A Products 37882660 N/A N/A I-FW-142 N/A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Replaced N(A A Rep
7. Description of Work_Overhauf Value.
7. Description of Work_Overhauf Value.
Pressure <u>137</u> psl Test Temp. <u>AD</u> • F STUDS PO [#] CSY - 241514 (Applicable Manufacturers Data Repons to be strached) CERTIFICATE OF COMPLIANCE
We certify that the statements made in this report are correct and this $feptilized entry for entry conforms to Section ASME Code. feptilized entry for equilibrium or reprised and the statements of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of t$
Signed 4 - 7. Concerned ISI Fue 9/5
CERTIFICATE OF INSPECTION
1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and or Province of VA
1, she undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and or Province of <u>VA</u> , employed by <u>HSB* I&amp;I CO</u> . <u>Hartford, CT</u> , have inspected the <u>replacement</u> described in this Report on <u>9-6</u>

ATTACHMENT 2

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

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		-			T OF REPAI ons of ASME		EPLACEMENT action XI	
	Virginia I		Namej	·		D•	Nr_SEPT 18,1	1985
<u> </u>	P.O. Box 2	20000					eeto	11
. Plant	Surry Powe	er Statio	n		Unit	UE		
	P.O. Box	315 Surry	<u>VA 23</u>	3883				
Work Pe	formed by VA		Lune)		<u>380</u>	00 828	83 / P.D.No., Job No., etc.	·····
	·	Same	densel	<u>-</u> -	,			
Identific	ation of System	SAFETY	TUSECT	- <i>10 1</i> 0	Edition,			Cases NA
. (a) Appl (b) Appl	licable Construc licable Edition d	tion Code 103 of Section XI U	hilized for R				Addenda, Code <u>W80</u> Addenda, Cod	And the Apple of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of t
	tion of Compo	r	T	7	· · · · · · · · · · · · · · · · · · ·			r
Name of omponent	Name of Mfr.	Mfrs. Ser. No.	·Nat'l. Bd. No.	CRN No.	Oth <del>er</del> Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Tes or No)
ANGE	HARDWARD STECHALTIES	pla	NA	No	1-52-14-1945	NA	Repincentur	N la
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	1 1		1	1	1 1	1		
	·	Par						
Tests Cor Remarks	on of Work nducted: Hy Now Applicable Manutac	ISSURE NOD	Pneumatic psi Test	Nom     Temp. <u>N@</u>	sinal Operating	) Pressure	D'Other	
Tests Cor Remarks	None Pre	drostatic D Issure NOD	Pneumatic .psi Test 1 15 to be attache	Nom     Temp. <u>//0</u>	<u>ک</u> •۴		De Other	
Tests Cor Remarks	None Pre	drostatic D Issure NOD	Pneumatic .psi Test 1 15 to be attache	Nom     Temp. <u>//0</u>	inal Operating		D'Other	
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Tests Cor Remarks.	Applicable Manutac	drostatic D rssure_ <u>NOD</u> :turers Data Repor	Pneumatic psi Test is to be attache CERTIF	Nom Temp. <u>No</u> a	DF COMPLI	ANCE	conformi	
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ATTACHMENT 2

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2. Plant	Surry Powe	er Statio	n		Unit	1		
	P.O. Box	(Address)	<u>VA 23</u>	883				: ·
3. Work Per	formed by VA	Same	vne)		<u>_380</u> Repair C	00.2191 Organization P	15 .0 No., Job No., etc.	·····
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5. (a) Appl	icable Construc	tion Code <u>B3</u>	<u>1-1</u> 1	9.6/	Edition,	NA	Addenda, Code	
	icable Edition c ation of Compo			-	•		180Addends, Coc	ie Cases <u>NA</u>
Name of Component	Name of Mfr.	Mfrs. Ser. No.	·Nat'l. Bd. No.	CRN No.	Other Identi- fication	Year Bullt	Repaired, Replaced, or	ASME Code Stamped (Ties or No)
FLANGE	HARS WARE				<u> </u>		Replacement	• /
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ATTACHMENT 2

Component Mir. No. Bd. No. Identi- Built Replaced, Stamped	-1.	Owner_]	/irginia	Power .				Det	7/12	189
2 Piers_SUFTY_POWER_StationUnkONE		·F	P.O. Box :	20000 .				She	n <u> </u>	of
3. Work Performed by <u>VA</u> . <u>DWP</u> <u>Planel</u> <u>Planel</u> <u>Planel</u> <u>Planel</u> <u>Addressi</u> <u>Reastor</u> <u>Addressi</u> <u>Reastor</u> <u>Coolan</u> 5. (a) Applicable Construction Code <u>B31-1</u> 19. 67 <u>Edition, NA</u> . <u>Addende, Code Cases</u> . <u>NA</u> (b) Applicable Edition of Section XI Utilized for Replacements - 19. <u>B0</u> , <u>WB0</u> . <u>Addonde, Code Cases</u> . <u>NA</u> <u>B</u> . Identification of Components Repaired or Replacements - 19. <u>B0</u> , <u>WB0</u> . <u>Addonde, Code Cases</u> . <u>NA</u> <u>B</u> . Identification of Components Repaired or Replaced, and Replacements - 19. <u>B0</u> , <u>WB0</u> . <u>Addonde, Code Cases</u> . <u>NA</u> <u>B</u> . <u>Identification of Components Repaired or Replaced, and Replacements</u> <u>Component</u> <u>Mitr.</u> <u>Bd</u> . <u>No.</u> <u>Identification</u> <u>Components</u> <u>Name of</u> <u>Name of</u> <u>Mitr. Ser</u> . <u>Nat'L</u> <u>CRN</u> <u>Other</u> <u>Yesr</u> <u>Replaced</u> , <u>Stamped</u> <u>(Yes or No)</u> <u>Replaced</u> . <u>Vo</u> <u>Replaced</u> . <u>Vo</u> <u>Component</u> <u>Mitr.</u> <u>Bd</u> . <u>No.</u> <u>Identification of Components</u> <u>Name of</u> <u>Ladus/hr21</u> <u>30/F2160</u> <u>NA</u> <u>NA</u> <u>RcFNr28</u> <u>NA</u> <u>RcFNr28</u> <u>NA</u> <u>Replaced</u> <u>VO</u> <u>Coodinal</u> <u>B0. <u>Hyd</u> <u>Coodinal</u> <u>B0. <u>Hyd</u> <u>Coolant</u> <u>Coolant</u> <u>Replaced</u> <u>NO</u> <u>Replaced</u> <u>Replaced</u> <u>NO</u> <u>Replaced</u> <u>Replaced</u> <u>NO</u> <u>Replaced</u> <u>Replaced</u> <u>Replaced</u> <u>NO</u> <u>Replaced</u> <u>Replaced</u> <u>Repla</u></u></u>	2	Plant	Surry Pow	er_Statio	n		Unit	ONE	<u>ç</u>	
Same       Plane       Repair Organization P.D Ne., Job No., Stc.         4. Identification of System       Address       Reactor       Coolar         5. (a) Applicable Construction Code B31-1       19, 67       Edition, IIA       Addreds, Code Cases       NA         6. Identification of Section XI Utilized for Replaced, and Replacementa - 19, 00. MB0       Addreds, Code Cases       NA         6. Identification of Components Repaired or Replaced, and Replacementa Components       Repaired, Stamped       Stamped         Name of       Name of       Mirr. Ser.       Nat'l.       CRN       Other       Year       Repaired, Stamped         Science       No.       Bd.       No.       Identification       Replaced, Stamped       Stamped         get Bolthing       Condition /       Mirr. Ser.       Nat       Rec-SV 75514       NA       Replaced, Stamped         get Bolthing       Condition /       More Marget Bolthing       Bolthing       Replaced       MO         get Bolthing       Condition of Work       Marget Bolthing       Replaced       MO         7. Description of Work       Marget Bolthing       Bolthing       Pressure 23, Science       Other       Pressure         8. Tests Conducted:       Hydrostaric B' Pneumatic D' Nominal Operating Pressure       Other       Presu		<u> </u>	<u>P.O. Box</u>	Address	<u>VA 2</u> ;	3883		( 0)	ins / FWP	86-400 1
Address       Reactor       Coolant         8. (a) Applicable Construction Code B31-1       19       67       Edition, IVA       Addenda, Code Cases       NA         (b) Applicable Edition of Section XI Utilized for Replacements - 19.80, M80       Addenda, Code Cases       NA         6. Identification of Components Repaired or Replaced, and Replacement Components       Addenda, Code Cases       NA         Name of       Name of       Mir.       Nat'L       CRN       Othert       Year       Repaired,       ASME Code         Science       No.       Bd.       No.       Nat'L       CRN       Othert       Face       AsME Code         Science       No.       Bd.       No.       Nat'L       CRN       Othert       Face       AsME Code       Stamped         Genotical       No.       No.       No.       No.       Replaced,       No.       Stamped         get Bolthing       Conductal       No.       NA       Refaced       NO       NO         get Bolthing       Conductal       No.       NA       Refaced       NO       NO         get Bolthing       Conducted:       Hydrostate B       Pneumatic B       Nominal Operating Pressure       Other B       Pressure 23JJSC pal       Test Schuldtal <td>3.</td> <td>Work Peri</td> <td>formed by <u>VA</u></td> <td></td> <td>(me)</td> <td></td> <td><u>380</u> Repair C</td> <td>00 69 S Organization P</td> <td>0 No., Job No., etc.</td> <td><u> </u></td>	3.	Work Peri	formed by <u>VA</u>		(me)		<u>380</u> Repair C	00 69 S Organization P	0 No., Job No., etc.	<u> </u>
<ul> <li>8. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA (b) Applicable Edition of Section XI Utilized for Replacements - 19 20, W80 Addenda, Code Cases NA (b) Applicable Edition of Section XI Utilized for Replacement Components</li> <li>8. Identification of Components Repaired or Replaced, and Replacement Components</li> <li>Name of Name of Mirr. Ser. Nat'L CRN No. Bd. No. Identification Built Replaced, as Stamped or Replacement Triction Built Replaced, are provided in the sector of the set of the sector of the set of the sector of the set of the sector of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the s</li></ul>		Ideadice	······	(Aoc	Real Rea	retor	Coolant			•
6. Identification of Components Repaired or Replaced, and Replacement Components          Name of Components       Name of Mfr.       Mfr.       Nat'L       CRN       Other       Year       Repaired, Stemped         Component       Mfr.       No.       Bd.       No.       Identification       Graphication       Stemped         get Bolthing       Condition I       Joint Stevent       No.       No.       No.       Repaired, Stemped         get Bolthing       Condition I       Joint Stevent       No.       No.       No.       Replaced, Stemped         get Bolthing       Condition I       Joint Stevent       No.       No.       No.       Replaced, Stemped         get Bolthing       Condition I       Joint Stevent       No.       No.       No.       Replaced, No.         get Bolthing       Condition I       Joint Stevent       No.       No.       Replaced, No.         get Bolthing       Condition I       Joint Stevent       No.       No.       Replaced, No.         7.       Description of Work       User Florge Bolting       No.       No.       No.       No.         8.       Tests Conducted:       Hydrostatic B' Pneumatic D' Normal Operating Pressure D' Other D'       Pressure 23.55 pl Test Temp. St2 *F       Stamped' State State State State State State		(a) Appli	cable Construc	tion Code <u>B3</u>	1-1	1 <u>9_67</u>	Edition,	NA		
Name of Component       Name of Mir.       Mirs. Ser. No.       Nation Bd. No.       CRN Identi- fication       Other Identi- fication       Year Built       Repaired, Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, or Replaced, NO         ge Bolting       Conducted, Industrial       NA       NA       Replaced, NO       NO         ge Bolting       Industrial       Stamped       NA       NA       Replaced, NO       NO         ge Bolting       Industrial       Stamped       NA       NA       Replaced, NO       NO         ge Bolting       Industrial       Stamped       NA       Replaced, NO       NO         7.       Description of Work       Vew       Flange, Stamped, Bolting       Nominal Operating Pressure       Other       Description         8.       Tests Conducted:       Hydrostatic D       Pneumatic       Nominal Operating Pressure       Other       Description         Pressure 23.5       psill       Test Temp. SHZ       F       Stamped       Description of State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State	6.								80Addenda, Co	xde Cases <u>NA</u>
7. Description of Work     New Flage Bioling       8. Terrs Conducted:     Hydrostatic B Pneumatic D Nominal Operating Pressure D Other Pressure 2325 psi Test Temp. 542 °F       9. Remarks     Mappicable Manufacturer's Data Reports to be stitched Bolying for # SSY 217452       CERTIFICATE OF COMPLIANCE       We certify that the statements made in this report are correct and this       Signed Data Maguel ISI Jack		ame of	Name of	Mfrs. Ser.	Nat'l. Bd.	CRN	Other Identi- fication	Year Built	Replaced, or	ASME Code Stamped (Yes or No)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 2335 psl Test Temp. 542 °F 9. Remarks (Applicable Manufacturer's Data Reports to be attached) 601402 F0 # SSY 217452 CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and this <u>replacement</u> Signed Dati H. dozent ISI Jucy 19, 19, 89	e Bol	the	Condina I Industral	3782160	NA	NA	RC-SU ISSIA	NA	Replaced	No
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8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 2335 psl Test Temp. 542 °F 9. Remarks (Applicable Manufacturer's Data Reports to be attached) 601402 F0 # SSY 217452 CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and this <u>replacement</u> Signed Dati H. dozent ISI Jucy 19, 19, 89							<u> </u>			
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Pressure 23.3.5 psi Test Temp. 547_*F 9. Remarks (Applicable Manufacturer's Data Reports to be attached) Bolting POSt SSY 217452 CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and this <u>replicament</u> conforms to Section XI of ASME Code. Signed ISI Jucy 19, 19, 89	7.									- <u></u>
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We certify that the statements made in this report are correct and this <u>reflected</u> conforms to Section XI of ASME Code. Signed <u>Barely 19</u> , 19, 89		<u></u>			·					
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I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the S	1 .	rovince of_	YA			ed by	<u>SB'1&amp;1 CO</u>	·		
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**ATTACHMENT 2** 

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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1. Owner	<u>Virginia</u>	Power .				Da	- 7/2/	89
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		nents Repaired						
Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat [°] L Bd. No.	CRN No.	Other Identi- fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
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**ATTACHMENT 2** 

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., (2) Information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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## ATTACHMENT 2

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