

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

March 12, 1991

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

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Docket No.: 50-280
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Gentlemen:

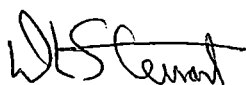
VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION STATION UNIT 1
INSERVICE INSPECTION SUMMARY REPORT
FOR THE 1990 REFUELING OUTAGE

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

9103140262-910312
PDR ADDOCK 05000280
PDR

A047
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INSERVICE INSPECTION SUMMARY REPORT
1990 REFUELING OUTAGE

REC'D W/LTR DTD 03/12/91....9103140262

-NOTICE-

THE ATTACHED FILES ARE OFFICIAL RECORDS OF THE INFORMATION & REPORTS MANAGEMENT BRANCH. THEY HAVE BEEN CHARGED TO YOU FOR A LIMITED TIME PERIOD AND MUST BE RETURNED TO THE RECORDS & ARCHIVES SERVICES SECTION P1-22 WHITE FLINT. PLEASE DO NOT SEND DOCUMENTS CHARGED OUT THROUGH THE MAIL. REMOVAL OF ANY PAGE(S) FROM DOCUMENT FOR REPRODUCTION MUST BE REFERRED TO FILE PERSONNEL.

-NOTICE-

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

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 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 12/22/72 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Rotterdam	RCPCR V 137-1	VA58201	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	- - -	- - -	- - -
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 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-1 (Back)

8. Examination Dates 7/10/88 to 12/20/90 9. Inspection Interval from 12/22/82 to 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.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date March 05, 19 91 Signed Virginia Electric + Power Co. By [Signature]
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. Co of Hartford, CT have inspected the components described in this Owner's Report during the period 12/22/89 to 2/22/92, 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 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. Coder Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-5 19 91

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.

Results

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	H03
WMKS-0103A2-2	H05
WMKS-0103A2-3	H04
WMKS-0112G1	H11A
WMKS-102D1-1	H01
MKS-125A1	H02

Statement of Interval Status

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

ABSTRACT OF EXAMINATIONS: IWB, IWC, AND IWF INSPECTIONS

	CATEGORY	ITEM NUMBER	ISOMETRIC	ITEM INSPECTED	EXAM METHOD	INTERVAL/PERIOD
	AUGMENTED	N/A	VPA-1-1400	BOLTS, NUTS, WASHERS (1-58)	VT	2/2
2	B-B	B2.40	VPA-1-3100	W3-1	UT	2/3
3	B-D	B3.140	VPA-1-3100	2BNIR	VT	2/3
4	B-D	B3.140	VPA-1-3100	2ANIR	VT	2/3
5	B-D	B3.140	VPA-1-3100	3ANIR	VT	2/3
6	B-D	B3.140	VPA-1-3100	3BNIR	VT	2/3
7	B-F	B5.30/B5.50	VPA-1-4300	W5DM	PT, UT	2/3
8	B-G-1	B6.180	VPA-1-5100A	(A) 1-24	UT	2/2
9	B-G-1	B6.180	VPA-1-5100A	(C) 1-24	UT	2/3
10	B-G-2	B7.70	VPA-1-6300	19	VT	2/2
11	B-G-2	B7.70	VPA-1-6300	67	VT	2/2
12	B-G-2	B7.30	VPA-1-3100	A-32 STUDS AND NUTS	VT	2/3
13	B-G-2	B7.50	VPA-1-4700	19	VT	2/3
14	B-G-2	B7.70	VPA-1-6300	47	VT	2/3
15	B-G-2	B7.70	VPA-1-6300	48	VT	2/3
16	B-G-2	B7.70	VPA-1-6300	77	VT	2/3
17	B-G-2	B7.70	VPA-1-6300	84	VT	2/3
18	B-G-2	B7.70	VPA-1-6300	80	VT	2/3
19	B-G-2	B7.70	VPA-1-6300	79	VT	2/3
20	B-J	B9.11	VPA-1-4303	W7	PT, UT	2/2
21	B-J	B9.11	VPA-1-4303	W4	PT, UT	2/2
22	B-J	B9.11	VPA-1-4303	W8	PT, UT	2/2
23	B-J	B9.31	VPA-1-4204	W1(BC)	PT, UT	2/2
24	B-J	B9.31	VPA-1-4205	W1(BC)	PT, UT	2/2
25	B-J	B9.32	VPA-1-4209	W1(BC)	PT	2/2
26	B-J	B9.40	VPA-1-4312	W1	PT	2/2
27	B-J	B9.11	VPA-1-4303	W2	PT, UT	2/3
28	B-J	B9.11	VPA-1-4303	W3	PT, UT	2/3
29	B-J	B9.11	VPA-1-4304	W6	PT, UT	2/3
30	B-J	B9.11	VPA-1-4304	W5	PT, UT	2/3
31	B-J	B9.11	VPA-1-4500	W8	PT, UT	2/3
32	B-J	B9.21	VPA-1-4306	W14	PT	2/3
33	B-J	B9.21	VPA-1-4306	W12	PT	2/3
34	B-K-1	B10.10	MKS-0125A1	H-O5	PT	2/2
35	B-K-1	B10.10	MKS-0122L1	H-O2	PT	2/2
36	B-K-1	B10.10	MKS-0122L1	H-O1	PT	2/2
37	B-K-1	B10.10	MKS-0122D1	H-O1	PT	2/2
38	B-K-1	B10.10	MKS-0125A1	H-O2	PT	2/2
39	B-K-1	B10.10	MKS-0122A2	H-30	PT	2/2
40	B-K-1	B10.10	MKS-0122L1	H-O3	PT	2/2
41	B-K-1	B10.10	VPA-1-4505	H-O1	PT	2/2
42	B-K-1	B10.20	VPA-1-5100B	(B) 3SC	PT	2/2
43	B-K-1	B10.20	VPA-1-5100B	(B) 2SC	PT	2/2
44	B-K-1	B10.20	VPA-1-5100B	(B) 4SC	PT	2/2
45	B-K-1	B10.20	VPA-1-5100B	(B) 1SC	PT	2/2
46	B-K-1	B10.20	VPA-1-5100B	(C) 1SC	PT	2/3
47	B-K-1	B10.20	VPA-1-5100B	(C) 4SC	PT	2/3
48	B-M-2	B12.40	VPA-1-6300	69	VT	2/2
49	B-M-2	B12.40	VPA-1-6300	70	VT	2/2
50	B-M-2	B12.40	VPA-1-6300	74	VT	2/2
51	B-M-2	B12.40	VPA-1-6300	75	VT	2/2
52	B-M-2	B12.40	VPA-1-6300	77	VT	2/2
53	B-M-2	B12.40	VPA-1-6300	79	VT	2/2
54	B-M-2	B12.40	VPA-1-6300	80	VT	2/2
55	B-N-1	B13.10	VPA-1-1200A	RV INTERIOR	VT	2/2
56	C-A	C1.10	VPA-2-1140	W2, 0"-57"	UT	2/2
57	C-A	C1.20	VPA-2-1140	W1, 0"-56"	UT	2/2
58	C-A	C1.20	VPA-2-1150	W10, 6"-19"	UT	2/2
59	C-A	C1.30	VPA-2-1150	W4, 6"-19"	UT	2/2
60	C-A	C1.30	VPA-2-1150	W11, 6"-19"	UT	2/2
61	C-A	C1.30	VPA-2-1150	W12, 6"-19"	UT	2/2
62	C-B	C2.22	VPA-2-1100	A-9NIR	VT	2/2
63	C-B	C2.22	VPA-2-1100	A-10NIR	VT	2/2

ABSTRACT OF EXAMINATIONS: IWB, IWC, AND IWF INSPECTIONS

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

ABSTRACT OF EXAMINATIONS: IWB, IWC, AND IWF INSPECTIONS

CATEGORY	ITEM NUMBER	ISOMETRIC	ITEM INSPECTED	EXAM METHOD	INTERVAL/PERIOD
		WMKS-0101D1	HSS-12	VT	2/2
		WMKS-0101G1	HSS-11	VT	2/2
129	TS3.2	WMKS-0101G1	HSS-12	VT	2/2
130	TS3.2	WMKS-0101G1	HSS-15	VT	2/2
131	TS3.2	WMKS-0101G1	HSS-16	VT	2/2
132	TS3.2	WMKS-0102D1	HSS-09	VT	2/2
133	TS3.2	WMKS-0102D1	HSS-10	VT	2/2
134	TS3.2	WMKS-0102G1	HSS-10	VT	2/2
135	TS3.2	WMKS-0102G1	HSS-13	VT	2/2
136	TS3.2	WMKS-0102G1	HSS-14	VT	2/2
137	TS3.2	WMKS-0102G1	HSS-17	VT	2/2
138	TS3.2	WMKS-0103A2-1	HSS-31	VT	2/2
139	TS3.2	WMKS-0103A2-1	HSS-32	VT	2/2
140	TS3.2	WMKS-0103A2-1	HSS-35A	VT	2/2
141	TS3.2	WMKS-0103A2-1	HSS-35B	VT	2/2
142	F-B	WMKS-0103A2-1	H-87	VT	2/2
143	F-C	WMKS-0103A2-1	H-03	VT	2/2
144	TS3.2	WMKS-0103A2-2	HSS-27	VT	2/2
145	TS3.2	WMKS-0103A2-2	HSS-28	VT	2/2
146	TS3.2	WMKS-0103A2-2	HSS-33A	VT	2/2
147	TS3.2	WMKS-0103A2-2	HSS-33B	VT	2/2
148	F-B	WMKS-0103A2-2	H-88	VT	2/2
149	F-C	WMKS-0103A2-2	H-05	VT	2/2
150	TS3.2	WMKS-0103A2-3	HSS-29	VT	2/2
151	TS3.2	WMKS-0103A2-3	HSS-30	VT	2/2
152	TS3.2	WMKS-0103A2-3	HSS-34A	VT	2/2
153	TS3.2	WMKS-0103A2-3	HSS-34B	VT	2/2
154	F-B	WMKS-0103A2-3	H-89	VT	2/2
155	F-C	WMKS-0103A2-3	H-04	VT	2/2
156	F-C	WMKS-0112A1	H-06	VT	2/2
157	F-A	WMKS-0112AE1	H-01	VT	2/2
158	F-A	WMKS-0112AE1	H-02	VT	2/2
159	F-B	WMKS-0112AE1	H-03	VT	2/2
160	F-A	WMKS-0112AE1	H-04	VT	2/2
161	F-A	WMKS-0112AE1	H-05	VT	2/2
162	F-C	WMKS-0112AE2	H-11	VT	2/2
163	F-A	WMKS-0112AE2	H-12	VT	2/2
164	F-C	WMKS-0112AE2	H-13	VT	2/2
165	F-A	WMKS-0112AE2	H-14	VT	2/2
166	F-C	WMKS-0112AE2	H-15	VT	2/2
167	F-C	WMKS-0112AE2	H-16	VT	2/2
168	F-C	WMKS-0112AE2	H-17	VT	2/2
169	F-A	WMKS-0112AH1	H-01	VT	2/2
170	F-B	WMKS-0112AH1	H-06	VT	2/2
171	F-C	WMKS-0112AH2	H-10A	VT	2/2
172	F-C	WMKS-0112AH2	H-10B	VT	2/2
173	F-C	WMKS-0112AH2	H-11	VT	2/2
174	F-C	WMKS-0112AH2	H-13	VT	2/2
175	F-C	WMKS-0112AH2	H-14A	VT	2/2
176	F-C	WMKS-0112AH2	H-14B	VT	2/2
177	F-C	WMKS-0112AH2	H-08A	VT	2/2
178	F-B	WMKS-0112AH2	H-08B	VT	2/2
179	F-C	WMKS-0112AH2	H-12	VT	2/2
180	F-A	WMKS-0112AK1	H-02	VT	2/2
181	F-B	WMKS-0112AK1	H-07	VT	2/2
182	F-A	WMKS-0112AK1	H-08	VT	2/2
183	F-B	WMKS-0112AK1	H-10	VT	2/2
184	F-A	WMKS-0112AK1	H-12	VT	2/2
185	F-B	WMKS-0112AK1	H-16	VT	2/2
186	F-C	WMKS-0112AK1	H-18	VT	2/2
187	F-A	WMKS-0112AL1	H-02	VT	2/2
188	F-A	WMKS-0112AL1	H-03	VT	2/2
189	F-B	WMKS-0112AL1	H-05	VT	2/2

ABSTRACT OF EXAMINATIONS: IWB, IWC, AND IWF INSPECTIONS

	CATEGORY	ITEM NUMBER	ISOMETRIC	ITEM INSPECTED	EXAM METHOD	INTERVAL/PERIOD
	F-C		WMKS-0112AL1	H-06	VT	2/2
	F-B		WMKS-0112AL1	H-07	VT	2/2
192	F-A		WMKS-0112AN1	H-03	VT	2/2
193	F-B		WMKS-0112AN1	H-04	VT	2/2
194	F-A		WMKS-0112AN1	H-06	VT	2/2
195	F-B		WMKS-0112AN1	H-07	VT	2/2
196	F-C		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	2/2
202	F-C		WMKS-0112AR2	H-16	VT	2/2
203	F-A		WMKS-0112AK1	H-17	VT	2/2
204	F-A		WMKS-0112B1	H-10	VT	2/2
205	F-A		WMKS-0112C1	H-11	VT	2/2
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
212	F-B		WMKS-0112C1	H-22	VT	2/2
213	F-A		WMKS-0112C1	H-01A	VT	2/2
214	F-B		WMKS-0112C1	H-01B	VT	2/2
215	F-A		WMKS-0112C1	H-02	VT	2/2
216	F-A		WMKS-0112C1	H-03	VT	2/2
217	F-A		WMKS-0112C1	H-04	VT	2/2
218	F-B		WMKS-0112C1	H-05	VT	2/2
219	F-A		WMKS-0112C1	H-06	VT	2/2
220	F-A		WMKS-0112C1	H-10	VT	2/2
221	F-B		WMKS-0112D1	H-09	VT	2/2
	F-B		WMKS-0112D1	H-11	VT	2/2
	F-C		WMKS-0112D1	H-22	VT	2/2
224	F-C		WMKS-0112D1	H-21A	VT	2/2
225	F-C		WMKS-0112D1	H-21B	VT	2/2
226	F-A		WMKS-0112E1	H-01	VT	2/2
227	F-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	VT	2/2
232	F-B		WMKS-0112E1	H-12	VT	2/2
233	F-B		WMKS-0112E1	H-13	VT	2/2
234	F-A		WMKS-0112E1	H-14	VT	2/2
235	F-C		WMKS-0112E3	H-23	VT	2/2
236	F-C		WMKS-0112E3	H-25	VT	2/2
237	F-A		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
241	F-A		WMKS-0112F1	H-17	VT	2/2
242	F-B		WMKS-0112F1	H-19	VT	2/2
243	F-A		WMKS-0112F1	H-01	VT	2/2
244	F-B		WMKS-0112F1	H-02	VT	2/2
245	F-A		WMKS-0112F1	H-05	VT	2/2
246	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	VT	2/2
251	F-A		WMKS-0112G1	H-02	VT	2/2
252	F-B		WMKS-0112G1	H-04	VT	2/2

ABSTRACT OF EXAMINATIONS:IWB,IWC,AND IWF INSPECTIONS

CATEGORY	ITEM NUMBER	ISOMETRIC	ITEM INSPECTED	EXAM METHOD	INTERVAL/PERIOD
		WMKS-0112G1	H-05	VT	2/2
		WMKS-0112G1	H-07	VT	2/2
255	F-B	WMKS-0112G1	H-08	VT	2/2
256	F-A	WMKS-0112G1	H-15	VT	2/2
257	F-B	WMKS-0112G1	H-20	VT	2/2
258	F-B	WMKS-0112G1	H-22	VT	2/2
259	F-C	WMKS-0112G1	H-26A	VT	2/2
260	F-C	WMKS-0112G1	H-27	VT	2/2
261	F-C	WMKS-0112G1	H-26B	VT	2/2
262	TS3.2	WMKS-0112G1	HSS-60A	VT	2/2
263	TS3.2	WMKS-0112G1	HSS-331	VT	2/2
264	TS3.2	WMKS-0112G1	HSS-330	VT	2/2
265	F-C	WMKS-0112G1	H-12	VT	2/2
266	F-A	WMKS-0112G1	H-24	VT	2/2
267	F-C	WMKS-0112G1	H-11B	VT	2/2
268	F-C	WMKS-0112G1	H-11A	VT	2/2
269	F-C	WMKS-0112G2	H-26A	VT	2/2
270	F-C	WMKS-0112G2	H-26B	VT	2/2
271	F-A	WMKS-0112G2	H-27	VT	2/2
272	F-A	WMKS-0112G2	H-28	VT	2/2
273	F-A	WMKS-0112G2	H-29	VT	2/2
274	F-B	WMKS-0112G2	H-30	VT	2/2
275	F-A	WMKS-0112G2	H-31	VT	2/2
276	F-C	WMKS-0112G3	H-37	VT	2/2
277	F-B	WMKS-0112G3	H-34	VT	2/2
278	F-B	WMKS-0112G3	H-35	VT	2/2
279	F-C	WMKS-0112G3	H-36	VT	2/2
280	F-B	WMKS-0112G4	H-42	VT	2/2
281	F-A	WMKS-0112J1	H-03	VT	2/2
282	F-B	WMKS-0112J1	H-05	VT	2/2
283	F-B	WMKS-0112J1	H-06	VT	2/2
	F-B	WMKS-0112J1	H-07	VT	2/2
	F-B	WMKS-0112J1	H-09	VT	2/2
	F-C	WMKS-0112J1	H-01	VT	2/2
287	F-C	WMKS-0112L1	H-31	VT	2/2
288	F-C	WMKS-0112L1	H-32	VT	2/2
289	F-C	WMKS-0112L1	H-17	VT	2/2
290	F-B	WMKS-0112L2	H-08	VT	2/2
291	F-B	WMKS-0112L2	H-09	VT	2/2
292	F-A	WMKS-0112L2	H-12	VT	2/2
293	F-A	WMKS-0112L2	H-14	VT	2/2
294	F-B	WMKS-0112L3-1	H-20	VT	2/2
295	F-B	WMKS-0112L3-1	H-22	VT	2/2
296	F-B	WMKS-0112L3-2	H-02	VT	2/2
297	F-A	WMKS-0112M1	H-11	VT	2/2
298	F-A	WMKS-0112M1	H-12	VT	2/2
299	F-B	WMKS-0112M1	H-13	VT	2/2
300	F-A	WMKS-0112M1	H-14	VT	2/2
301	F-A	WMKS-0112M1	H-15	VT	2/2
302	F-A	WMKS-0112M1	H-16	VT	2/2
303	F-B	WMKS-0112M1	H-17	VT	2/2
304	F-B	WMKS-0112M1	H-18	VT	2/2
305	F-A	WMKS-0112M1	H-19	VT	2/2
306	F-A	WMKS-0112M1	H-23	VT	2/2
307	F-A	WMKS-0112M1	H-24	VT	2/2
308	F-C	WMKS-0112M1	H-25	VT	2/2
309	F-B	WMKS-0112M1	H-40	VT	2/2
310	F-B	WMKS-0112M2	H-02	VT	2/2
311	F-A	WMKS-0112M2	H-03	VT	2/2
312	F-B	WMKS-0112M2	H-04	VT	2/2
313	F-B	WMKS-0112M2	H-05	VT	2/2
314	TS3.2	WMKS-0112M2	HSS-26	VT	2/2
315	F-A	WMKS-0112M3	H-26	VT	2/2

ABSTRACT OF EXAMINATIONS: IWB, IWC, AND IWF INSPECTIONS

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

ABSTRACT OF EXAMINATIONS: IWB, IWC, AND IWF INSPECTIONS

CATEGORY	ITEM NUMBER	ISOMETRIC	ITEM INSPECTED	EXAM METHOD	INTERVAL/PERIOD
		WMKS-0118G1-5	H-05	VT	2/2
		WMKS-0118G1-5	H-06	VT	2/2
381		WMKS-0118G1-5	H-07	VT	2/2
382		WMKS-0118G1-5	H-08	VT	2/2
383	TS3.2	WMKS-0122A1	HSS-22	VT	2/2
384	TS3.2	WMKS-0122A1	HSS-102	VT	2/2
385	TS3.2	WMKS-0122A2	HSS-23	VT	2/2
386	TS3.2	WMKS-0122A2	HSS-25	VT	2/2
387	TS3.2	WMKS-0122D1	HSS-22A	VT	2/2
388	TS3.2	WMKS-0122D1	HSS-22B	VT	2/2
389	TS3.2	WMKS-0122D1	HSS-23	VT	2/2
390	TS3.2	WMKS-0122D1	HSS-24A	VT	2/2
391	TS3.2	WMKS-0122D1	HSS-24B	VT	2/2
392	TS3.2	WMKS-0122D1	HSS-28	VT	2/2
393	TS3.2	WMKS-0122L1	HSS-20	VT	2/2
394	TS3.2	WMKS-0122L1	HSS-19A	VT	2/2
395	TS3.2	WMKS-0122L1	HSS-19B	VT	2/2
396	F-C	WMKS-0123N1	H-02B	VT	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
401	TS3.2	WMKS-0123R1	MSS-116A	VT	2/2
402	TS3.2	WMKS-0123R1	MSS-116B	VT	2/2
403	TS3.2	WMKS-0123R2	MSS-115A	VT	2/2
404	TS3.2	WMKS-0123R2	MSS-115B	VT	2/2
405	TS3.2	WMKS-0124A1-1	HSS-110	VT	2/2
406	TS3.2	WMKS-0125A1-1	HSS-105	VT	2/2
407	TS3.2	WMKS-0125A1-1	HSS-106	VT	2/2
408	TS3.2	WMKS-0125A1-1	HSS-107	VT	2/2
409	TS3.2	WMKS-0125A1-1	HSS-108	VT	2/2
410	TS3.2	WMKS-0125A1-2	HSS-102	VT	2/2
411	TS3.2	WMKS-0125A1-2	HSS-103	VT	2/2
412	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
419	F-B	WMKS-0127C1	H-07	VT	2/2
420	F-C	WMKS-0127C2	H-11	VT	2/2
421	F-C	WMKS-0127C2	H-09	VT	2/2
422	F-C	WMKS-0127C2	H-12	VT	2/2
423	F-C	WMKS-0127C2	H-13	VT	2/2
424	F-C	WMKS-0127C2	H-14	VT	2/2
425	TS3.2	WMKS-0127C2	HSS-100	VT	2/2
426	TS3.2	WMKS-0127C2	HSS-101	VT	2/2
427	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
431	F-A	WMKS-0127E1	H-01	VT	2/2
432	F-B	WMKS-0127E1	H-04	VT	2/2
433	F-A	WMKS-0127E1	H-05	VT	2/2
434	F-A	WMKS-0127E1	H-06	VT	2/2
435	F-A	WMKS-0127E1	H-08	VT	2/2
436	TS3.2	WMKS-0127E1	HSS-84	VT	2/2
437	F-C	WMKS-0127E2	H-02	VT	2/2
438	F-C	WMKS-0127E2	H-07	VT	2/2
439	F-B	WMKS-0127E2	H-04	VT	2/2
440	F-A	WMKS-0127E2	H-05	VT	2/2
441	F-A	WMKS-0127E2	H-06	VT	2/2

ABSTRACT OF EXAMINATIONS: IWB, IWC, AND IWF INSPECTIONS

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

ABSTRACT OF EXAMINATIONS: IWB, IWC, AND IWF INSPECTIONS

CATEGORY	ITEM NUMBER	ISOMETRIC	ITEM INSPECTED	EXAM METHOD	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	F-A	WMKS-1021A4-2	H-130	VT	2/3
509	F-B	WMKS-1022A10	H-08	VT	2/3
510	F-B	WMKS-1022A10	H-09	VT	2/3
511	F-B	WMKS-1022A10	H-10	VT	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	2/3
515	TS3.2	WMKS-1103A4	HSS-169	VT	2/3
516	TS3.2	WMKS-1103A5	HSS-164	VT	2/3
517	TS3.2	WMKS-1103A5	HSS-165	VT	2/3
518	TS3.2	WMKS-1103A6	HSS-116	VT	2/3
519	TS3.2	WMKS-1103A6	HSS-117	VT	2/3
520	F-C	WMKS-123N1	H-02A	VT	2/3
521	F-C	WMKS-0112AE2	H-18	VT	2/3
522	F-C	WMKS-0112AE2	H-19	VT	2/3
523	F-C	WMKS-0112AH1	H-02	VT	2/3
524	F-C	WMKS-0112AK1	H-11	VT	2/3
525	F-C	WMKS-0112L1	H-23	VT	2/3
526	F-C	WMKS-0112L1	H-30	VT	2/3
527	F-C	WMKS-0112A1	H-05	VT	2/3
528	F-C	WMKS-0118G1-4	H-21	VT	2/3

ABSTRACT OF EXAMINATIONS:SYSTEM PRESSURE TEST PROGRAM

TEST#	LEADING ZONE	FM TEST ZONE	DESCRIPTION
SPT#1	11448-SPM-71A-1-1	11448-FM-71A-S-4	SW PUMP 1C
SPT#2	11448-SPM-71A-2-1	11448-FM-71A-S-1&5	CW INTAKE PIPING;CC HEAT EXCHANGER(SW SIDE)
SPT#3	11448-SPM-71A-3-2	11448-FM-71A-S-3	SW PIPING TO/FROM B & C RSHX
SPT#4&6	11448-SPM-71B-1-1	11448-FM-71B-S-1,2,3,4,5&71D-S-1	SW TO LUBE OIL PUMP & INT. SEAL COOLERS
SPT#5	11448-SPM-71B-2-1	11448-FM-71B-S-6	CC/SW TO CHG. PUMP SEAL COOLERS
SPT#7	11448-SPM-72A-1-1	11448-FM-72A-S-1	CC PIPING TO/FROM "A" RHR HX
SPT#8	11448-SPM-72A-1-2	11448-FM-72A-S-2	CC PIPING TO/FROM "B" RHR HX
SPT#9	11448-SPM-72A-1-3	11448-FM-72A-S-4&5	CC PIPING TO 1-RC-P-1A,B,&C
SPT#10	11448-SPM-72A-1-4	11448-FM-72B-S-1,72C-S-1,72D-S-1	MISC. CLASS 3 CC PIPING
SPT#11	11448-SPM-72B-2-1	11448-FM-72B-S-2	CC PIPING TO/FROM 2A VSHX
SPT#12	11448-SPM-72B-2-2	11448-FM-72B-S-2	CC PIPING TO/FROM 2B VSHX
SPT#13	11448-SPM-72B-2-3	11448-FM-72B-S-2	CC PIPING TO/FROM 2C VSHX
SPT#14	11448-SPM-72C-4-1	11448-FM-72C-S-2	CC PIPING TO/FROM 1A&1B FCHX
SPT#15	11448-SPM-72C-4-2	11448-FM-72C-S-3	CC PIPING TO/FROM NONREGEN. HX
SPT#16	11448-SPM-72C-4-3	11448-FM-72C-S-4	CC TO/FROM SEAL WATER HX
SPT#17	11448-SPM-72D-2-2	11448-FM-72D-S-2	CC TO CC H X'S - 1A,1B,1C,1D
SPT#18	11448-SPM-72A-5-2	11448-FM-72A-S-3	CC PIPING TO EXCESS LETDOWN HX
SPT#19	11448-SPM-71A-1-1	11448-FM-71A-S-4	SW PUMPS 1A,1B
SPT#20	11448-SPM-89A-1-4	11448-FM-89A-S-9	LHSI SUCTION FROM RWST
SPT#21	11448-SPM-89A-1-5	11448-FM-89A-S-10	LHSI SUCTION FROM SUMP
SPT#22	11448-SPM-89A-1-6	11448-FM-89A-S-6	RWST CROSSTIE
SPT#23	11448-SPM-89A-3-1	11448-FM-89B-S-10	NITROGEN SUPPLY TO SI ACC
SPT#24	11448-SPM-89B-1-2	11448-FM-89B-S-1	LOOP "A" SI ACC
SPT#25	11448-SPM-89B-1-5	11448-FM-89B-S-6	SI ACC TEST LINE
SPT#26	11448-SPM-89B-1-6	11448-FM-89B-S-8	SI ACC MAKEUP LINES
SPT#27	11448-SPM-89B-1-7	11448-FM-89B-S-9	SI ACC VENT LINE
SPT#28	11448-SPM-89B-2-2	11448-FM-89B-S-2	LOOP "B" SI ACC
SPT#29	11448-SPM-89B-3-2	11448-FM-89B-S-3	LOOP "C" SI ACC
SPT#30	11448-SPM-87A-2-1	11448-FM-87A-S-3	RHR PIPING TO/FROM RCS
SPT#31	11448-SPM-87A-2-2	11448-FM-87A-S-4	RHR TO RWST PIPING
SPT#32	11448-SPM-87A-1-3	11448-FM-87A-S-1	1-RH-P-1A
SPT#33	11448-SPM-87A-1-4	11448-FM-87A-S-2	1-RH-P-1B
SPT#34	11448-SPM-82B-2-5	11448-FM-82B-S-1	RHR SAMPLE LINE
SPT#35	11448-SPM-88C-1-2	11448-FM-88C-S-6	LOOP FILL HEADER
SPT#36	11448-SPM-88C-1-5	11448-FM-88C-S-7	REGEN. HX CHARGING SIDE
SPT#37	11448-SPM-88C-1-9	11448-FM-88C-S-8	LETDOWN HEADER
SPT#38	11448-SPM-88C-2-1	11448-FM-88B-S-5	CH. HEADER & SEAL IN. FILTER
SPT#39	11448-SPM-88C-2-2	11448-FM-88C-S-5	SEAL RETURN HEADER
SPT#40	11448-SPM-88C-2-3	11448-FM-88C-S-1	RCP SEAL INJ. LINES
SPT#41	11448-SPM-88C-2-4	11448-FM-88C-S-2	RCP "A" SEAL RETURN LINE
SPT#42	11448-SPM-88C-2-5	11448-FM-88C-S-3	RCP "B" SEAL RETURN LINE
SPT#43	11448-SPM-88C-2-6	11448-FM-88C-S-4	RCP "C" SEAL RETURN LINE
SPT#44	11448-SPM-88A-1-2	11448-FM-88A-S-4	BA TRANSF. PUMP 1-CH-P-2A
SPT#45	11448-SPM-88A-1-4	11448-FM-88A-S-6	BA TRANSF. PUMP 1-CH-P-2C
SPT#46	11448-SPM-88A-1-3	11448-FM-88A-S-5	BA TRANSF. PUMP 1-CH-P-2B
SPT#47	11448-SPM-88A-1-5	11448-FM-88A-S-7	BA TRANSF. PUMP 1-CH-P-2D
SPT#48	11448-SPM-88A-4-3	11448-FM-88B-S-1	NON. REG. HX 1-CH-E-2 CHGING
SPT#49	11448-SPM-88B-1-4	11448-FM-88B-S-2	VCT & LETDOWN HEADER
SPT#50	11448-SPM-88B-1-5	11448-FM-88B-S-7	BA LINES TO CHG PPS
SPT#51	11448-SPM-88B-2-3	11448-FM-88B-S-4	CHGING ALT. HEADER
SPT#52	11448-SPM-88B-2-4	11448-FM-88B-S-7	A" LHSI PUMP CROSSTIE TO CHG PUMPS
SPT#53,53A	11448-SPM-88B-2-5	11448-FM-88B-S-6	CHGING PUMPS 1A,1B, & 1C
SPT#54	11448-SPM-47B-1-1	11448-FM-47B-S-1	FIRE PROT. PEN. PIPING
SPT#55	11448-SPM-47B-1-2	11448-FM-71A-S-2	SW PIPING TO/FROM 1-RS-E-1A, 1D
SPT#56	11448-SPM-75G-1-1	11448-FM-75G-S-1	COMP. AIR & PEN PIPING
SPT#57	11448-SPM-68A-1-5	11448-FM-68B-S-5	AUX. PDWTR X-CONN
SPT#58	11448-SPM-68A-3-2	11448-FM-68A-S-4	1-CN-TK-1A & ASS. PIPING
SPT#59	11448-SPM-68A-3-3	11448-FM-68A-S-7	1-FW-P-2 ASS. PIPING
SPT#60	11448-SPM-68A-3-4	11448-FM-68A-S-8	1-FW-P-3A & ASS. PIPING
SPT#61	11448-SPM-68A-3-5	11448-FM-68A-S-9	1-FW-P-3B & ASS. PIPING
SPT#62	11448-SPM-68A-3-6	11448-FM-68A-S-6	FIREWATER SUPPLY TO AUX. FW
SPT#63	11448-SPM-84A-1-1	11448-FM-84A-S-1	RWST
SPT#64	11448-SPM-84A-2-2	11448-FM-84A-S-6&7	1-CS-P-A SUCT. & DIS. PIPING
SPT#65	11448-SPM-84A-2-3	11448-FM-84A-S-5&8	1-CS-P-1B SUCT. & DIS. PIPING
SPT#66	11448-SPM-84A-3-3	11448-FM-84A-S-4	RWST/CAT X-TIE PIPING
SPT#67	11448-SPM-84A-3-4	11448-FM-84A-S-3	RWCAT UG PIPING
SPT#68	11448-SPM-84A-3-5	11448-FM-84A-S-2	RWCAT & ASS. PIPING
SPT#69	11448-SPM-85A-1-2	11448-FM-85A-S-2	LEAKAGE MONIT. IN. CON
SPT#70	11448-SPM-86A-3-6	11448-FM-86A-S-3	RX HEAD VENT SYSTEM
SPT#71	11448-SPM-86B-2-1	11448-FM-86B-S-3	PG HEADER TO CONT
SPT#72	11448-SPM-86B-1-1	11448-FM-86B-S-4	PRESS HEAD VENT SYSTEM
SPT#73	11448-SPM-64A-4-1	11448-FM-64A-S-4	MS LINES TO 1-FW-T-2 & MISC. ST TRAP
SPT#74	11448-SPM-75C-1-2	11448-FM-75J-S-1	UN. 2 IA TO UN. 1 CONT
SPT#75	11448-SPM-75C-1-1	11448-FM-75J-S-2	CONT. IA DISCHARGE LINE
SPT#76	11448-SPM-124A-1-2	11448-FM-124A-S-1	A" S/G BLOWDOWN
SPT#77	11448-SPM-124A-2-2	11448-FM-124A-S-2	B" S/G BLOWDOWN
SPT#78	11448-SPM-124A-3-2	11448-FM-124A-S-3	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

Received By (Name) GIL SAWYER		Date: 11-20-90
Title/Department REFUELING COORDINATOR / WESTINGHOUSE		Time:
Subject EVALUATION OF DAMAGED STUDS AND WASHERS ON UNIT 1 REACTOR VESSEL		Phone
Component Mark Number 01-RL-R-1		
Summary of Discussion		
<p>1. MAINTENANCE ENGINEERING WAS REQUESTED TO EVALUATE DAMAGED THREADS ON TWO STUDS AND DAMAGED MATING SURFACES ON ONE WASHER SET FOR THE ABOVE REFERENCED REACTOR VESSEL. THE STUDS AND WASHERS WERE INSPECTED IN ACCORDANCE WITH STEP 5.6.4.5 OF PROCEDURE MMP-C-RL-038 AND REJECTED AS DESCRIBED ON THE ATTACHED VT-1 FORM.</p> <p>2. THE THREAD DAMAGE IDENTIFIED ON STUD # 22 INVOLVES THREE THREADS LOCATED IN THE AREA OF THE STUD THAT IS SURROUNDED BY THE WASHER SET WHEN INSTALLED. THE UPPERMOST DAMAGED THREAD HAS HAD APPROXIMATELY 1/32" OF THE THREAD HEIGHT SCRAPED AWAY FOR A DISTANCE OF 3/4" TO 1" AROUND THE CIRCUMFERENCE. 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 AND WASHER SET AND THE THREAD DAMAGE IS INCONSEQUENTIAL.</p> <p>3. THE THREAD DAMAGE IDENTIFIED ON STUD # 57 INVOLVES ONE THREAD ON THE PORTION OF THE STUD THAT ENGAGES IN THE</p>		
Prepared By (Name) <i>R. Y...</i>		Date 11-20-90
Reviewed By (Name) <i>[Signature]</i>		Date 11-20-90

Copy To: Supervisor - Maintenance Engineering
Additional Distribution Below:

ON STAFFS
J.C. VANCE

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 LOWERMOST 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 ~~DESCRIBED~~ IDENTIFIED ON WASHER SET # 24 APPEARS TO BE THE RESULT OF DEBRIS INTRUSION THAT CAUSED 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 MANUFACTURER'S ENGINEERING STANDARD SPECIFIES A MINIMUM OF SEVENTY PERCENT CONTACT OF THE BEARING SURFACE. THE UNDAMAGED PORTION ~~OF 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 RECOMMENDS THAT THE WASHER SET # 24 BE REPLACED AT THE NEXT REFUELING. THE TWO STUDS AND THE WASHER SET DO NOT REQUIRE IN ADDITIONAL CLEANING PRIOR TO THE CURRENT INSTALLATION.

6. THE ABOVE EVALUATION AND STATEMENT OF ACCEPTABILITY WAS CONCURRED WITH BY THE WESTINGHOUSE PRIMARY COMPONENT ENGINEER, STEVE ABBOTT, PER TELECON 11-20-90.

SEE ATTACHED SKETCH.



**VIRGINIA
POWER**

ENGINEERING WORK SHEET

DOCUMENT TYPE MAINT. ENGR. INFO. TRANSM.

PROJECT MMP-G-RC-038

SUBJECT STUD/WASHER DAMAGE

SYSTEM REACTOR VESSEL UNIT 1

SHEET NO. 1 OF 1

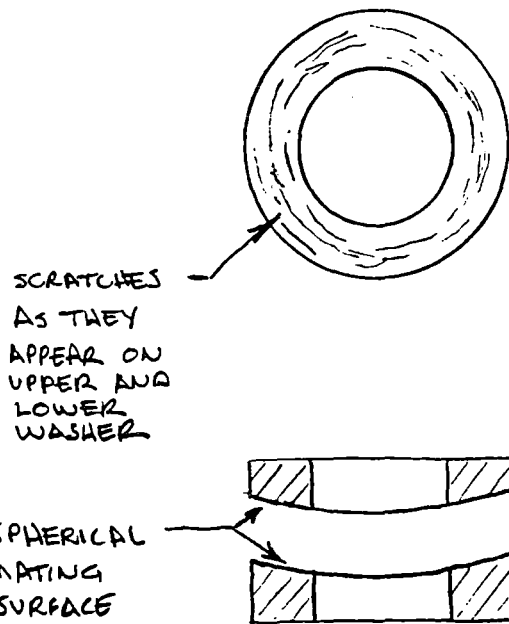
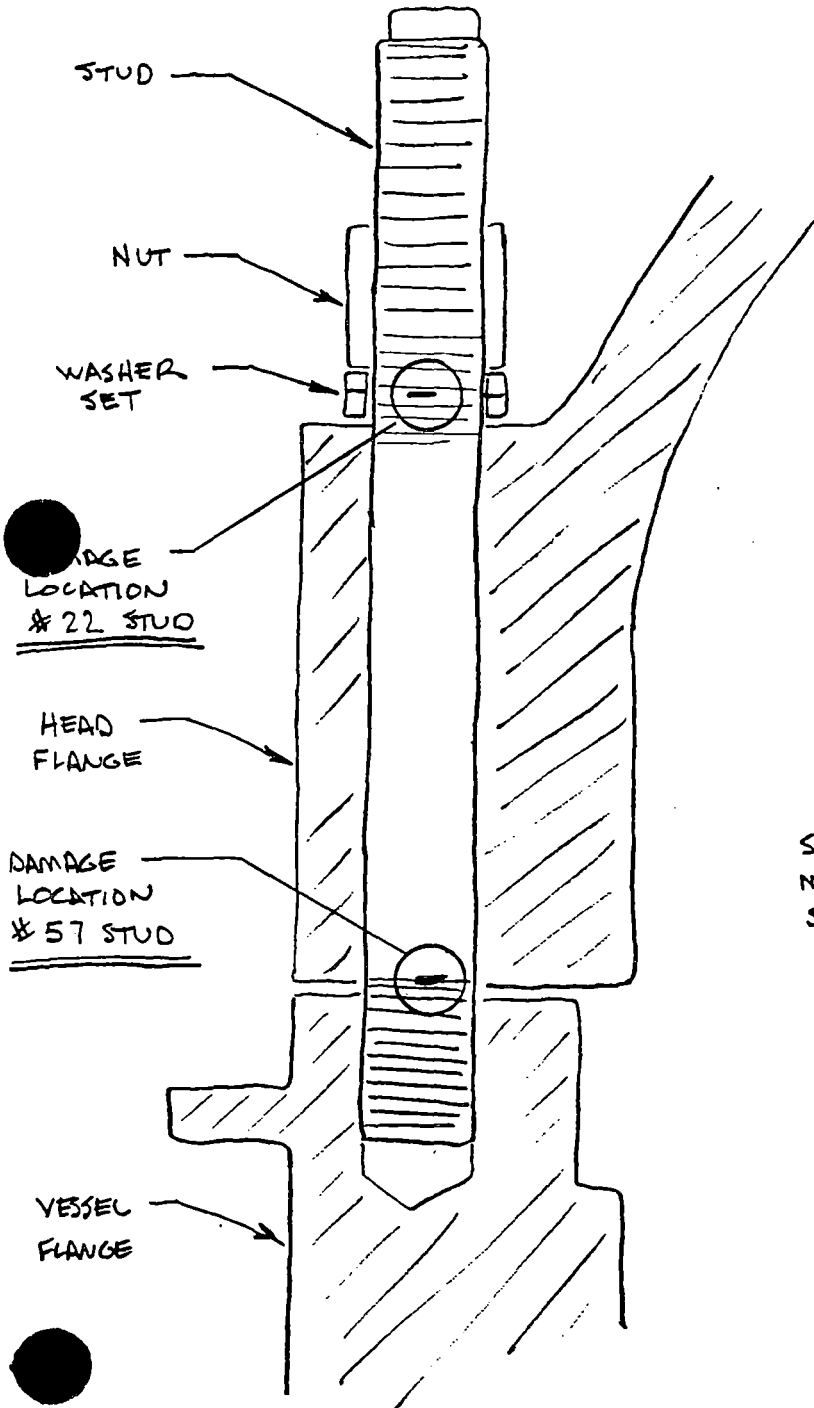
DOC. NO. REV. NO.

PREPARED BY
J. YAFFEY

DATE
11.20.90

CHECKED BY

DATE



WASHER SET #24

VIRGINIA POWER

Information Transmittal Record -
Maintenance Engineering - Nuclear
Power Station

ADM 18

VPA-1-6300 IT 69

Received By (Name) Dwight Snoddy / Ray Shifflet	Date: 11-26-90
Title/Department Supv. - Mechanical Maintenance	Time:
Subject Inspection of SI Check Valve	Phone
Component Mark Number 1-SI-91	
Summary of Discussion <p>The above valve was inspected on 11-24-90 for bolting concerns and due to suspected leakage seen when working 1-SI-239 (upstream check valve). The valve is a 6" Uclan Swing Check Valve shown on Uclan Dwg # 78704. Results of the inspection are as follows.</p> <p>① The above valve was opened and found the SI line full of water back to 1-SI-239 (app. 8' of 6" pipe). Therefore 1-SI-91 had leaked by with only cavity head pressure.</p> <p>② No wear was found on either the valve body (interior) or the valve internals.</p>	
Prepared By (Name) Kurt D. Rowland	Date 11-26-90
Reviewed By (Name) [Signature]	Date 11-27-90

Copy To: Supervisor - Maintenance Engineering

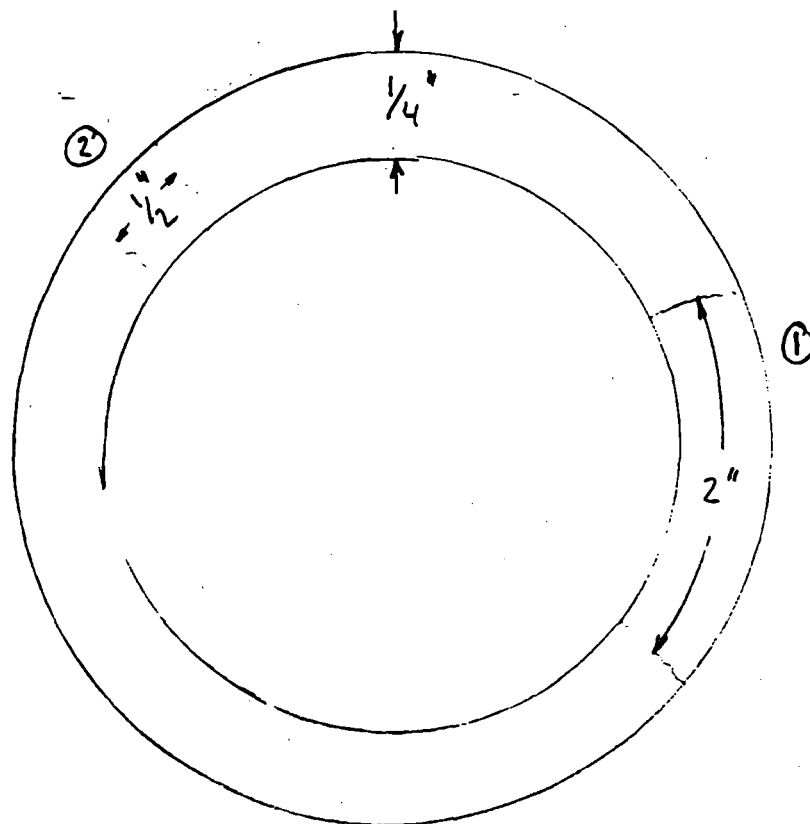
Additional Distribution Below:

Luther Fainholt

Paul Skopie

Summary of Discussion (Continued)

- ③ The valve body seat inspection was satisfactory, with no signs of wear or damage.
- ④ The disc was inspected and found to be damaged. The damage was "leaks" or "grooves", like something had been between the disc and seat when the disc closed. No cracks were found on the disc seat. A blue check was performed and found the disc had blued only 70-75 % (see sketch).

Disc Seating Area

Summary of Discussion (Continued)

Area ① : Little or no bluing (spotty)

Area ② : Thin film of bluing

Rest of disc seat had a $\frac{1}{4}$ " inch (wider) band of bluing.

After discussion of the damage with Steve Sauer (Outage Coordinator) and telecon with Paul Skopie (System Engr.) it was decided to reassemble the valve with no repair work. The disc repair would have taken 2-3 days and would not have guaranteed 100% bluing. Since there are 2 check valves downstream of 1-SI-91 and they do not leak (1-SI-239 had 100% bluing), 1-SI-91 was reassembled.

It is recommended to replace the disc at the next outage and to machine the body seat to ensure that it is flat or to replace the entire valve. Include a copy of this transmittal in the WO Package for documentation.



VPA-1-6300 If. 80

Received By (Name) DAVE SNODDY	Date: 11/14/80
Title/Department MAINT	Time:
	Phone

Subject
CHECK VALVE INSPECTION

Component Mark Number
01-51-243

Summary of Discussion

1. MAINTENANCE ENGINEERING WAS ASKED TO INSPECT THE SUBJECT CHECK VALVE. DAMAGE WAS FOUND ON THE DISC AND SEAT WHICH REQUIRES EVALUATION.
2. SUBJECT VALVE IS A 6" 500# VELAN SWING CHECK VALVE SHOWN ON DWG 78 707. INSPECTION WAS DONE BY MECH. MAINT., MAINT. ENGINEERING, AND PAS. NDE WAS PERFORMED. INSPECTION OF THE VALVE SEAT SHOWED IT TO BE IN FAIR SHAPE. A HAIRLINE RADIAL CRACK WAS FOUND VISUALLY AND VERIFIED BY NDE. THE CRACK IS 3/4" LONG, AND DOES NOT APPEAR TO BE DEEP. A SMALL NICK WAS FOUND AT THE SIX O'CLOCK POSITION WHICH DOES NOT CROSS THE SEATING SURFACE. THE DISC WAS FOUND TO HAVE A LARGE GASH ACROSS THE SEALING SURFACE WHICH APPEARS TO EXTEND INTO THE STELLITE. THE STELLITE APPEARS TO BE VERY THIN. NO INDICATIONS WERE FOUND BY NDE. MINOR PITTING NOTED INSIDE THE SEALING AREA, ALONG WITH A FEW GOUGES.
3. VELAN WAS CONTACTED (BURT NILSSON, 514-745-7743), AND THEY RECOMMENDED LEAVING THE SEAT AS IS BASED ON THE SIZE AND POSITION OF THE DEFECT. TYPICAL STELLITE THICKNESS IS 1/8". IT WAS NOT RECOMMENDED TO LAP OR MACHINE THE SEAT SINCE THIS MIGHT CAUSE THE DEFECT TO GROW AND PRESENT MORE PROBLEMS. THE DISC SHOULD BE REPAIRED.
4. A REVIEW OF WPTS HISTORY AND DISCUSSIONS WITH THE
(CON. D)

Prepared By (Name) <i>[Signature]</i>	Date 11/14/80
Reviewed By (Name) <i>[Signature]</i>	Date 11/14/80

Copy To: Supervisor - Maintenance Engineering
Additional Distribution Below:

SWET ROWLAND DAVE WHITLEY

PICK DRISCOLL

FILED MONE

Summary of Discussion (Continued)

4. (CONT'D)

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 SUGGESTED THAT THE VALVE BE REASSEMBLED USING A NEW DISC. NOTE THAT MINOR LAPPING MAY BE REQUIRED FOR A GOOD BLUE CHECK. THE CONDITIONS NOTED ON THE BODY ARE ~~AN~~ ACCEPTABLE PROVIDED THE VALVE WILL BLUE CHECK SAT, AND PASS THE POST MAINT. TEST CRITERIA.

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



**VIRGINIA POWER
NORTH CAROLINA POWER**

Memorandum

To Mr. D. L. Rogers
From M. S. Whitt

Office/Location ISI Engr./Surry
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

U1WMKS-1021A37
U1WMKS-0112A1
U1WMKS-0103A2-1
U1WMKS-0103A2-2
U1WMKS-0103A2-3
U1WMKS-0112G1
U1WMKS-123H1
VPA-1-4301

Hangers

H-08
H-05
H-03
H-05
H-04
H-11A
H-22
H-01

Attachment 1 provides a summary of these reviews. It 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.

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" x 8" x 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 ± 300 pounds. Engineering review of this condition has determined that the spring is operable, but should be reset to 35,810 pounds ± 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 ± 300 pounds. Engineering review of this condition has determined that the spring is operable, but should be reset to 35,576 pounds ± 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 ± 300 pounds. Engineering review of this condition has determined that the spring is operable, but should be reset to 34,620 pounds ± 100 pounds (cold set).

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# ± 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 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.



**VIRGINIA POWER
NORTH CAROLINA POWER**

Memorandum

To Mr. D. L. Rogers

Office/Location ISI Engr./Surry

From M. S. Whitt

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-01 of 11448-MKS-102D1 and a subsequent memorandum dated 11/26/90 forwarding results of an ASME Section XI, IWF Inspection of Support H-02 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

U1WMKS-1021A37
U1WMKS-0112A1
U1WMKS-0103A2-1
U1WMKS-0103A2-2
U1WMKS-0103A2-3
U1WMKS-0112G1
U1WMKS-123H1
VPA-1-4301

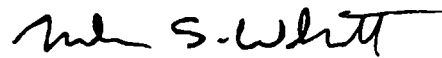
Hangers

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.



M. S. Whitt

CC:

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

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.

ATTACHMENT 2

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.

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 FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric and Power Co. Date 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 103388
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CONTAINMENT SPRAY
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 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	VOGT	8-214874	N/A	01-CS-111	UNKNOWN	REPLACED	UNKNOWN
VALVE	VOGT	36-302358	N/A	01-CS-111	1989	REPLACEMENT	UNKNOWN

7. Description of Work REPAIR/REPLACE VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1.25 x Design 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.

FORM NIS-2 (Back)

9. Remarks VALVE PO# NS-241617

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed W. L. Rogers T.S.I. Engineer Date MARCH 5, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coelen Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-5 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060
 2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800080790
Address Repair Organization P.O. No., Job No., etc.
 3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
 4. Identification of System CHEMICAL AND VOLUME CONTROL
 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 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	ROCKWELL - EDWARDS	Fig: 36174F316ET4	N/A	01-CH-92	UNKNOWN	REPLACED	UNKNOWN
VALVE	ROCKWELL	61-95205	N/A	01-CH-92	1981	REPLACEMENT	UNKNOWN
PIPE	UNKNOWN	UNKNOWN	N/A	01-CH-92	UNKNOWN	REPLACED	UNKNOWN
PIPE	Babcock & Wilcox	25A-4786-N	N/A	01-CH-92	1986	REPLACEMENT	UNKNOWN
CONNECTOR	UNKNOWN	UNKNOWN	N/A	01-CH-92	UNKNOWN	REPLACED	UNKNOWN

7. Description of Work REPLACE VALVE PER EWR 89-481
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1.25 X Design Test Temp. AMBIENT °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks VALVE PO# NA-46325-1
Applicable Manufacturer's Data Reports to be attached
PIPE PO# NS-30960-1

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. H. Lopez ISI ENGINEER Date MARCH 5, 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert J. Coden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-5 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 2 of 2
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800080790
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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)
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, 1/2-13	CARDINAL IND.	45116	N/A	01-CH-92	1990	REPLACEMENT	UNKNOWN
NUTS, 1/2-13	CARDINAL IND.	46576	N/A	01-CH-92	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE VALVE PER EWR 89-481
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1.25 X DESIGN psi Test Temp. AMBIENT °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks CONNECTOR PO# SSY-318507-1
Applicable Manufacturer's Data Reports to be attached
STUDS PO# CSY-294697-2
NUTS PO# CSY-317574-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed R. J. Lopez ISI Engineer Date MARCH 5, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Oden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-5 19 91

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.
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060

Date 1-28-91

Sheet 1 of 1

2. Plant Surry Power Station
Name
P.O. Box 315, Surry, VA 23883
Address

Unit ONE

WO #3900104988
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power
Name
P.O. Box 315, Surry, VA 23883
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System CHEMICAL AND VOLUME CONTROL

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 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, RELIEF	CROSBY	UNKNOWN	N/A	01-CH-RV-1209	UNKNOWN	REPLACED	UNKNOWN
VALVE, RELIEF	CROSBY	2-RV-52JWB	N/A	01-CH-RV-1209	1986	REPLACEMENT	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-CH-RV-1209	UNKNOWN	REPLACED	UNKNOWN
STUDS, $\frac{5}{8}$ -11	CARDINAL IND.	46512	N/A	01-CH-RV-1209	1990	REPLACEMENT	UNKNOWN
NUTS, $\frac{5}{8}$ -11	A & G ENGR.	04302	N/A	01-CH-RV-1209	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE VALVE (FREEZE SEAL)

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.

FORM NIS-2 (Back)

9. Remarks VALVE PO# SY-15464-1

Applicable Manufacturer's Data Reports to be attached

STUDS PO# CSY-316249-2

NUTS PO# CSY-298419-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed *W. h. [unclear]* ISE ENGINEER Date FEB. 28, 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 VA and employed by HSBI&I Co. of

Hartford, Ct have inspected the components described in this Owner's Report during the period 11-22-89 to 2-22-92, 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.

Robert P. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-28 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800095201
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
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 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)
DISC	Shutte & Koerting	UNKNOWN	N/A	01-MS-RV-101B	UNKNOWN	REPLACED	UNKNOWN
DISC	AMETEK (S&K)	72E006BN0020	N/A	01-MS-RV-101B	1987	REPLACEMENT	UNKNOWN

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)

9. Remarks DISC PO # SSY-123688-3
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. G. Logan ISE Eng. Code Date Feb. 28, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-28 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800103055
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
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 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 (3264)	WESTINGHOUSE	UNKNOWN	N/A	01-RC-E-1A	UNKNOWN	REPLACED	UNKNOWN
STUDS (3264)	WESTINGHOUSE	UNKNOWN	N/A	01-RC-E-1A	UNKNOWN	REPLACEMENT	UNKNOWN

7. Description of Work RMV/INSTL MANWAY COVERS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. 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 REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Rosen ISE ENGINEER Date FEB. 28, 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 VA and employed by HSBIGI Co. of Hartford, ct have inspected the components described in this Owner's Report during the period 12-22-89 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 employer shall be 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. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-28 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 097547
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
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 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)
^(3EA) STUDS & NUTS	WESTINGHOUSE	UNKNOWN	N/A	01-RC-E-1C	UNKNOWN	REPLACED	UNKNOWN
^(3EA) STUDS & NUTS	WESTINGHOUSE	UNKNOWN	N/A	01-RC-E-1C	UNKNOWN	REPLACEMENT	UNKNOWN

7. Description of Work RMY/INSTL MANWAY COVERS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. 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 REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed *D. L. Decker* Date Feb. 28, 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 VA and employed by HSBIGI Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-28 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 097553
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
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 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)
<i>Stud Bolt (1 ea)</i>	WESTINGHOUSE	UNKNOWN	N/A	01-RC-E-1B	UNKNOWN	REPLACED	UNKNOWN
<i>Stud Bolt (1 ea)</i>	WESTINGHOUSE	UNKNOWN	N/A	01-RC-E-1B	UNKNOWN	REPLACEMENT	UNKNOWN

7. Description of Work RMY/INSTL MANWAY COVERS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 22.35 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 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 REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] IST Engineer Date FEB. 28, 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert J. Coden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-28- 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 3
Address 23060

2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800104525
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address

4. Identification of System SERVICE WATER

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 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)
SEAL COOLER	GRAHAM	UNKNOWN	N/A	01-SW-E-1B	UNKNOWN	REPLACED	YES UNKNOWN
SEAL COOLER	GRAHAM	72367-1	16891 N/A-DLR	01-SW-E-1B	1989	REPLACEMENT	YES UNKNOWN
UNION, 2"	UNKNOWN	UNKNOWN	N/A	01-SW-E-1B	UNKNOWN	REPLACED	UNKNOWN
UNION, 2"	FRISCHKORN	216323	N/A	01-SW-E-1B	1988	REPLACEMENT	UNKNOWN
PIPE, 2"	UNKNOWN	UNKNOWN	N/A	01-SW-E-1B	UNKNOWN	REPLACED	UNKNOWN

7. Description of Work REPLACE SEAL COOLER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure * NATIONAL BOARD # 16891
 Other Pressure 1.5X Design 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.

FORM NIS-2 (Back)

9. Remarks SEAL COOLER PO# SSY-247248-1
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 REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Lopez I.S.E. Engineer Date Feb. 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coda Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-25 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 2 of 3
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800104525
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SERVICE WATER
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 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)
PIPE, 2"	FRISCHKORN	332636	N/A	01-SW-E-1B	1990	REPLACEMENT	UNKNOWN
ELBOW, 2"	UNKNOWN	UNKNOWN	N/A	01-SW-E-1B	UNKNOWN	REPLACED	UNKNOWN
ELBOW, 2"	FRISCHKORN	322465	N/A	01-SW-E-1B	1990	REPLACEMENT	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-SW-E-1B	UNKNOWN	REPLACED	UNKNOWN
STUDS, 1/2-13	HARDWARE SPEC.	30545	N/A	01-SW-E-1B	1988	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE SEAL COOLER
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1.5X Design psi Test Temp. AMBIENT °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks PIPE PO# CSY-317236-2
Applicable Manufacturer's Data Reports to be attached
ELBOW PO# CSY-309541-5
STUDS PO# CSY-173679-4

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed *W. J. Logan* Owner or Owner's Designee, Title IST Engineer Date FEB. 22, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Ceder Inspector's Signature Commissions VA 543 National Board, State, Province, and Endorsements

Date 2-25 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 3 of 3
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800104525
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SERVICE WATER
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 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, $\frac{1}{2}$ -13	CARDINAL IND.	46788	N/A	01-SW-E-1B	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE SEAL COOLER
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1.5K 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.

FORM NIS-2 (Back)

9. Remarks NUTS PO# CSY-322977-2
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed *D. L. Brown* ISI Engineer Date Feb. 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Codon Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-25, 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800088876
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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-CH-276	UNKNOWN	REPLACED	UNKNOWN
STUDS, $\frac{3}{4}$ -10	A & G ENGR	04706	N/A	01-CH-276	1990	REPLACEMENT	UNKNOWN
NUTS, $\frac{3}{4}$ -10	CARDINAL IND.	43787	N/A	01-CH-276	1989	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure NO psi Test Temp. NO °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 STUDS PO# CSY-316281-3
NUTS PO# ⁵ CSY-258296-2
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. H. Logan ISI Engineer Date FEB. 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert P. Codar Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-25 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 095954
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System RECIRCULATION SPRAY
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 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	UNKNOWN	UNKNOWN	N/A	01-RS-17	UNKNOWN	REPLACED	UNKNOWN
STUDS, $\frac{5}{8}$ "-11	CARDINAL IND.	46512	N/A	01-RS-17	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE COVER STUDS

- * Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 45 psi Test Temp. AMBIENT °F

* OPEN ENDED PIPE

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 STUBS PO # CSY-316249-2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed D. L. Rogers ISI Engineer Date Feb. 26, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-25 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 088873
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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"	^{1500#} B10-31148-13MS	N/A	01-CH-267	UNKNOWN	REPLACED	UNKNOWN
STUDS, $\frac{3}{4}$ -10	CARDINAL IND.	46006	N/A	01-CH-267	1990	REPLACEMENT	UNKNOWN
NUTS, $\frac{3}{4}$ -10	KOREA BOLT IND.	9357	N/A	01-CH-267	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure NOP 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.

FORM NIS-2 (Back)

9. Remarks STUBS PO # CSY-301517-1
Applicable Manufacturer's Data Reports to be attached
NUTS PO # CSY-314216-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. J. Lopez ISE ENGINEER Date FEB. 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 VA and employed by HSBI&I Co. of

Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert J. Coble Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
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 Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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-CH-258	UNKNOWN	REPLACED	UNKNOWN
STUDS, $\frac{3}{4}$ -10	CARDINAL IND.	46006	N/A	01-CH-258	1990	REPLACEMENT	UNKNOWN
NUTS, $\frac{3}{4}$ -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.

FORM NIS-2 (Back)

9. Remarks STUDS PO # CSY-301517-1
NUTS PO # CSY-314216-2
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. L. Rozen ISE, Enclosed Date Feb. 22, 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 State or Province of VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert S. Cohen Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 1991

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 2 of 2
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800101462
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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)
DISC	UNKNOWN	UNKNOWN	N/A	01-CH-RV-1203	UNKNOWN	REPLACED	UNKNOWN
DISC	CROSBY	84108	N/A	01-CH-RV-1203	UNKNOWN	REPLACEMENT	UNKNOWN

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.

FORM NIS-2 (Back)

9. Remarks DISC PO# SY-15464-4
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repairment 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 D. L. Devereux ISE Engineer Date Feb. 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert S. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 2
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800101462
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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	UNKNOWN	UNKNOWN	N/A	01-CH-RV-1203	UNKNOWN	REPLACED	UNKNOWN
NUTS, $\frac{5}{8}$ -11	A & G ENGR	04237	N/A	01-CH-RV-1203	1990	REPLACEMENT	UNKNOWN
STUDS, $\frac{5}{8}$ -11	CARDINAL IND.	46512	N/A	01-CH-RV-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 REMOVE AND TEST RELIEF VALVE
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.

FORM NIS-2 (Back)

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. L. Lopez ISI Engineer Date Feb. 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Cohen Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060 Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 Wo # 3800095967
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name
P.O. Box 315, Surry, VA 23883 Authorization No. N/A
Address 23883 Expiration Date N/A
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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-CH-291	UNKNOWN	REPLACED	UNKNOWN
NUTS, $\frac{3}{4}$ -10	CARDINAL IND.	44544	N/A	01-CH-291	1990	REPLACEMENT	UNKNOWN
STUDS, $\frac{3}{4}$ -10	CARDINAL IND.	46006	N/A	01-CH-291	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE COVER STUDS
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.

FORM NIS-2 (Back)

9. Remarks STUDS PO # CSY-301517-1
Applicable Manufacturer's Data Reports to be attached
NUTS PO # CSY-281852-4

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] ISE Executive Date FEB 22, 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 State or Province of VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 1-22-91, 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.

[Signature] Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 1991

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 095965
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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-CH-304	UNKNOWN	REPLACED	UNKNOWN
NUTS, $\frac{3}{4}$ -10	CARDINAL IND.	44544	N/A	01-CH-304	1990	REPLACEMENT	UNKNOWN
STUDS, $\frac{3}{4}$ -10	CARDINAL IND.	46006	N/A	01-CH-304	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE 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.

FORM NIS-2 (Back)

9. Remarks STUDS PO # CSY-301517-1
Applicable Manufacturer's Data Reports to be attached
NUTS PO # CSY-281852-4

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. P. Lopez I.S.T. Engineer Date FEB. 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1-22-89 to 2-22-92, 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.

Robert L. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 UO # 3800 088023
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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"	FIG # 810-3H4B-13MS	N/A	01-SI-225	UNKNOWN	REPLACED	UNKNOWN
STUDS, $\frac{3}{4}$ -10	CARDINAL IND.	46006	N/A	01-SI-225	1990	REPLACEMENT	UNKNOWN
NUTS, $\frac{3}{4}$ -10	KOREA BOLT IND.	9357	N/A	01-SI-225	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure N/A 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.

FORM NIS-2 (Back)

9. Remarks STUDS PO # CSY-301517-1
Applicable Manufacturer's Data Reports to be attached
NUTS PO # CSY-314216-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Lopez IST ENGINEER Date FEB. 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Cohen Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 088804
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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"	FIG # B10-3114B-13MS	N/A	01-SI-227	UNKNOWN	REPLACED	UNKNOWN
NUTS, $\frac{3}{4}$ -10	CARDINAL IND.	46735	N/A	01-SI-227	1990	REPLACEMENT	UNKNOWN
STUDS, $\frac{3}{4}$ -10	CARDINAL IND.	46006	N/A	01-SI-227	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS
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.

FORM NIS-2 (Back)

9. Remarks STUDS PO # CSY-301517-1
Applicable Manufacturer's Data Reports to be attached
NUTS PO # CSY-321495-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. Li-Dogera ISI Engineer Date FEB 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 102399
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SERVICE WATER
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 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	STOCKHAM	UGF12	N/A	01-SW-241	UNKNOWN	REPLACED	UNKNOWN
VALVE	POWELL	442772	N/A	01-SW-241	1989	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE VALVE
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.

FORM NIS-2 (Back)

9. Remarks VALVE PO # CSY-222468-2
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Rogers JST Engineer Date Feb 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 099427
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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	ALOYCO	UNKNOWN	N/A	01-SI-56	UNKNOWN	REPLACED	UNKNOWN
STUDS, 1-8	CARDINAL IND.	46250	N/A	01-SI-56	1990	REPLACEMENT	UNKNOWN
STUDS, 1-8	CARDINAL IND.	46673	N/A	01-SI-56	1990	REPLACEMENT	UNKNOWN

7. Description of Work OPEN/INSPECT CHECK VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure N/A 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.

FORM NIS-2 (Back)

9. Remarks STUDS PO # CSY-308557-1
Applicable Manufacturer's Data Reports to be attached
STUDS PO # CSY-319706-1

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Rogers ISE Engineer Date Feb. 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-99 to 2-22-92, 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.

Robert S. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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.
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060

Date 1-28-91

Sheet 1 of 1

2. Plant Surry Power Station
Name
P.O. Box 315, Surry, VA 23883
Address

Unit ONE

WO # 3800 081508
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power
Name
P.O. Box 315, Surry, VA 23883
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System COMPONENT COOLING

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 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-695	UNKNOWN	REPLACED	UNKNOWN
VALVE	VOGT MACHINE CO	216100	N/A	01-CC-695	1990	REPLACEMENT	UNKNOWN
PIPE	UNKNOWN	UNKNOWN	N/A	01-CC-695	UNKNOWN	REPLACED	UNKNOWN
PIPE	FRISCHKORN	322465	N/A	01-CC-695	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1.5X DESIGN 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.

FORM NIS-2 (Back)

9. Remarks VALVE PO# SSY-290844-1
PIPE PO# CSY-309541-4
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. H. Berger ISI Engineer Date Feb. 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 088824
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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"	FIG # B10-3114B-13MS	N/A	01-SI-226	UNKNOWN	REPLACED	UNKNOWN
NUTS, $\frac{3}{4}$ -10	CARDINAL IND.	46735	N/A	01-SI-226	1990	REPLACEMENT	UNKNOWN
STUDS, $\frac{3}{4}$ -10	CARDINAL IND.	46006	N/A	01-SI-226	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure NO psi Test Temp. NO °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 STUDS PO # CSY-301517-1
Applicable Manufacturer's Data Reports to be attached
NUTS PO # CSY-321495-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. G. Rogers ISI Engineer Date Feb. 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-22 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 103683
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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-CH-RV-1209	UNKNOWN	REPLACED	UNKNOWN
VALVE	CROSBY	NE9963-01-0006	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. 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.

FORM NIS-2 (Back)

9. Remarks VALVE PO# CSY-196182-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Logan Date FEB. 19, 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 VA and employed by HSBI&I Co. of Hartford State, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 1-22-91; 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.

Robert L. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-20 19 91

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.
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060

Date 1-28-91

Sheet 1 of 1

2. Plant Surry Power Station
Name
P.O. Box 315, Surry, VA 23883
Address

Unit ONE

WO # 3800 101835
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power
Name
P.O. Box 315, Surry, VA 23883
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System CHEMICAL AND VOLUME CONTROL

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 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, 1/8-8	COPIES VULCAN	UNKNOWN	N/A	01-CH-FCV-1160	UNKNOWN	REPLACED	UNKNOWN
NUTS, 1/8-8	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 NOP 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.

FORM NIS-2 (Back)

9. Remarks NUTS PO # CSY-260842-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Hazzell ISE ENGINEER Date FEB-19, 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 VA and employed by HSBI&I Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-12-91, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-20 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 054901
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System COMPONENT COOLING
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 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-CC-176	UNKNOWN	REPLACED	UNKNOWN
VALVE	AGCO	N2581	N/A	01-CC-176	1989	REPLACEMENT	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-CC-176	UNKNOWN	REPLACED	UNKNOWN
NUTS, 1 1/8"-8	TEXAS BOLT	31621	N/A	01-CC-176	1989	REPLACEMENT	UNKNOWN
STUDS, 1 1/8"-8	CARDINAL IND.	46367	N/A	01-CC-176	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE CHECK VALVE
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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks VALVE PO # CNT-239676-1
Applicable Manufacturer's Data Reports to be attached
STUDS PO # CSY-311859-1
NUTS PO # CSY-260842-1

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Rogers ISE ENGINEER Date FEB. 19, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Corden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-20 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 095962
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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	ANCHOR-DARLING	UNKNOWN	N/A	01-SI-MOV-1867C	UNKNOWN	REPLACED	UNKNOWN
STUDS, 1 $\frac{3}{8}$ -8	CARDINAL IND.	44544	N/A	01-SI-MOV-1867C	1990	REPLACEMENT	UNKNOWN
NUTS, 1 $\frac{3}{8}$ -8	HARDWARE SPEC.	30437	N/A	01-SI-MOV-1867C	1989	REPLACEMENT	UNKNOWN

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.

FORM NIS-2 (Back)

9. Remarks STUD PO# CSY-281852-1
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 REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Rogers ISE ENGINEER Date Feb. 19, 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 State or Province of VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19 1991

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
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 Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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	ANCHOR-DARLINE	UNKNOWN	N/A	1867D 01-SI-MOV-	UNKNOWN	REPLACED	UNKNOWN
STUDS, $1\frac{3}{8}$ -8	CARDINAL IND.	44544	N/A	01-SI-MOV-1867D	1990	REPLACEMENT	UNKNOWN
NUTS, $1\frac{3}{8}$ -8	HARDWARE SPEC.	30437	N/A	01-SI-MOV-1867D	1989	REPLACEMENT	UNKNOWN

7. Description of Work REPLACED COVER STUDS
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure NOP 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.

FORM NIS-2 (Back)

9. Remarks STUDS PO # CSY-281852-1
NUTS PO # CSY-231327-7
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. P. [Signature] ISI ENGINEER Date FEB. 19, 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 095960
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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	ANCHOR-DARLING	94-1233-16	N/A	1869A 01-SI-MOV-	UNKNOWN	REPLACED	UNKNOWN
STUDS, 1 3/8 - 8	CARDINAL IND.	44544	N/A	01-SI-MOV-1869A	1990	REPLACEMENT	UNKNOWN
NUTS, 1 3/8 - 8	HARDWARE SPEC.	30437	N/A	01-SI-MOV-1869A	1989	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE COVER STUDS
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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks STUD PO # CSY-281852-1
NUT PO # CSY-231327-7
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed *D. L. Logan* Date 2/19, 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 094710
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CONTAINMENT SPRAY
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 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	019	N/A	01-CS-105	1979	REPLACED	YES
NUTS, 1 3/8-8	CARDINAL IND.	46576	N/A	01-CS-105	1990	REPLACEMENT	UNKNOWN
STUDS, 1 3/8-8	CARDINAL IND.	44544	N/A	01-CS-105	1990	REPLACEMENT	UNKNOWN

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

* OPEN ENDED PIPE.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks STUDS CSY- PO # 281852-1
NUTS PO # CSY-317574-1
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. H. Logan ISI ENGINEER Date FEB. 19, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-21-89 to 2-22-92, 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.

Robert J. Corda Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19, 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 2
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 096086
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CONTAINMENT SPRAY
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 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, 2" GATE	VELAN	W-254B13MY	N/A	01-CS-51	UNKNOWN	REPLACED	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-CS-51	UNKNOWN	REPLACED	UNKNOWN
PIPE, 2"	UNKNOWN	UNKNOWN	N/A	01-CS-51	UNKNOWN	REPLACED	UNKNOWN
ELL, 2"	UNKNOWN	UNKNOWN	N/A	01-CS-51	UNKNOWN	REPLACED	UNKNOWN
VALVE, 2" GATE	VELAN	W08-2054B-13MS	N/A	01-CS-51	1983	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1.5X DESIGN psi Test Temp. ATD ENVY °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks VALVE PO# SY-05377

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. P. Boyer ISC Eng. Date Feb. 18, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Codon Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 2 of 2
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 096086
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CONTAINMENT SPRAY
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 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, 1/2-13	CARDINAL IND.	45116	N/A	01-CS-51	1990	REPLACEMENT	UNKNOWN
NUTS, 1/2-13	CARDINAL IND.	46576	N/A	01-CS-51	1990	REPLACEMENT	UNKNOWN
PIPE, 2"	MULTI METALS	I-495	N/A	01-CS-51	1987	REPLACEMENT	UNKNOWN
ELL, 2"	ALLOY STAINLESS PROD.	P/L #14749	N/A	01-CS-51	1982	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1.5 X Design psi Test Temp. Ambient °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks STUDS PO# 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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed *W. L. Brown* ISI Eng. Date Feb. 18, 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 VA and employed by HSBI&I Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 099755
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CONTAINMENT SPRAY
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 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	Schuttie & Koerting	UNKNOWN	N/A	01-CS-24	UNKNOWN	REPLACED	UNKNOWN
NUTS, $\frac{5}{8}$ -11	CARDINAL IND.	44970	N/A	01-CS-24	1990	REPLACEMENT	UNKNOWN
$\frac{3}{4}$ " NUT	Schuttie & Koerting	UNKNOWN	N/A	01-CS-24	UNKNOWN	REPLACED	UNKNOWN
NUTS, $\frac{3}{4}$ -10	CARDINAL IND.	43787	N/A	01-CS-24	1989	REPLACEMENT	UNKNOWN
STUDS, $\frac{5}{8}$ -11	A & G ENGR.	04470	N/A	01-CS-24	1990	REPLACEMENT	UNKNOWN

7. Description of Work OPEN/INSPECT IAW CHECK VALVE PM PROGRAM
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 45 psi Test Temp. Ambient °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks STUDS PO# 3 CSY-306871-1
 Applicable Manufacturer's Data Reports to be attached
NUTS PO# CSY-290693-1
3/4" NUT PO# CSY-258296-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.
 repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. L. Boger ISI Eng. Date FEB. 18, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 1-24-92, 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.

Robert L. Cedar Commissions VA 543
 Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19 19 91

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 1-28-91
Name
- 5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 2
Address 23060
2. Plant Surry Power Station Unit ONE
Name
- P.O. Box 315, Surry, VA 23883 WD # 3800099712
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System COMPONENT COOLING
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 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	UNKNOWN	REPLACED	UNKNOWN
VALVE	TELEDYNE FARRIS	1135 - GC	N/A	01-CC-RV-119A	1987	REPLACEMENT	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-CC-RV-119A	UNKNOWN	REPLACED	UNKNOWN
NUTS, $\frac{E}{8}$ -11	A & G ENGR.	04237	N/A	01-CC-RV-119A	1990	REPLACEMENT	UNKNOWN
STUDS, $\frac{E}{8}$ -11	CARDINAL IND.	44969	N/A	01-CC-RV-119A	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE RELIEF VALVE
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.

FORM NIS-2 (Back)

9. Remarks VALVE PO # SSY-125962-3
Applicable Manufacturer's Data Reports to be attached
STUDS PO # CSY-290637-1
NUTS PO # CSY-294709-1

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. P. Degean ISI 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 State or Province of VA and employed by HSBI&I Co. of Hartford, CT

Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19 1991

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 2 of 2
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800099712
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System COMPONENT COOLING
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 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, 1/2-13	CARDINAL IND.	45116	N/A	01-CC-RV-119A	1990	REPLACEMENT	UNKNOWN
NUTS, 1/2-13	CARDINAL IND.	46576	N/A	01-CC-RV-119A	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE RELIEF VALVE, (cont.)
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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks STUDS PO# CSY-294697-3
Applicable Manufacturer's Data Reports to be attached
NUTS PO# CSY-317574-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. P. Rozen ISI Eng. Date FEB. 18, 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 VA and employed by HSBI&I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert J. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 088810
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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	VELAN 6"	FIG # B14-314B-13M	N/A	01-SI-240	UNKNOWN	REPLACED	UNKNOWN
STUDS, 1 1/4"-8	CARDINAL IND.	46186	N/A	01-SI-240	1990	REPLACEMENT	UNKNOWN

7. Description of Work INSPECT HANGER BRACKET BOLTS
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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. 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 REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. G. Kozak ISI Eng. Date Feb. 18, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-19 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 076577
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SERVICE WATER
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 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	UNKNOWN	UNKNOWN	N/A	01-SW-FE-120B	UNKNOWN	REPLACED	UNKNOWN
NUTS	A & G ENGR.	NCA 3866.6	N/A	01-SW-FE-120B	1990	REPLACEMENT	UNKNOWN
STUDS	CARDINAL IND.	46512	N/A	01-SW-FE-120B	1990	REPLACEMENT	UNKNOWN
ORIFICE	UNKNOWN	UNKNOWN	N/A	01-SW-FE-120B	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 NOP psi Test Temp. NOT °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. G. Rogers ISI Eng. Date FEB. 13, 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 088829
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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 # B14-3114B-13M	N/A	01-SI-85	UNKNOWN	REPLACED	UNKNOWN
STUDS	A & G ENGR.	NCA 3866.6	N/A	01-SI-85	1990	REPLACEMENT	UNKNOWN
NUTS	A & G ENGR.	NCA 3866.6	N/A	01-SI-85	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS
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.

FORM NIS-2 (Back)

9. Remarks CSY- STUDS PO # 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 REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed [Signature] ISI Eng. Date Feb. 13, 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-99 to 1-22-99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 102354
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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)
OIL COOLER	BASCO	UNKNOWN	N/A	01-CH-E-5C	UNKNOWN	REPLACED	UNKNOWN
OIL COOLER	SPECIALTIES ENGR. CORP.	8512102	N/A	01-CH-E-5C	1986	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE LUBE OIL COOLER
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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks COOLER PO # SY-109169-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed D. P. Logan ISI Eng. Date FEB. 18, 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Coder
Inspector's Signature

Commissions VA 543

National Board, State, Province, and Endorsements

Date 2-14 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060 Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800088830
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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 # B14-3114B-13M	N/A	01-SI-82	UNKNOWN	REPLACED	UNKNOWN
STUDS	A & G ENGR	NCA 3866.6	N/A	01-SI-82	1990	REPLACEMENT	UNKNOWN
NUTS	A & G ENGR	NCA 3866.6	N/A	01-SI-82	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE HANGER BRACKET BOLTS
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.

FORM NIS-2 (Back)

9. Remarks STUDS PO # CSY-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 REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. P. Logan ISI 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 State or Province of VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert F. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 1991

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 099711
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System COMPONENT COOLING
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 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)
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	UNKNOWN
STUDS & NUTS	UNKNOWN	UNKNOWN	N/A	01-CC-RV-122	UNKNOWN	REPLACED	UNKNOWN
STUDS	CARDINAL IND.	44969	N/A	01-CC-RV-122	1990	REPLACEMENT	UNKNOWN
NUTS	A & G ENGR.	UNKNOWN	N/A	01-CC-RV-122	1990	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE RELIEF VALVE
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.

FORM NIS-2 (Back)

9. Remarks VALVE PO # SSY-125962-4
Applicable Manufacturer's Data Reports to be attached
STUDS PO # CSY-290637-1
NUTS PO # CSY-298419-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. G. Rogers ISI Eng. Date FEB. 13, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-14 19 91

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 2/12/91
Name
5000 Dominion Blvd., Glen Allen, VA. Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, Va. 23883 EWL 88-230
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, Va. 23883 Expiration Date N/A
Address
4. Identification of System Aux. Feedwater
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N-1, N-2 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	PACIFIC	UNKNOWN	N/A	1-FW-142	UNKNOWN	REPLACED	UNKNOWN
PIPE	UNKNOWN	UNKNOWN	N/A	N/A	UNKNOWN	REPLACED	UNKNOWN
VALVE	PACIFIC	XB4382	N/A	1-FW-142	2/88	REPLACEMENT	NO
PIPE	McJANNET CORP.	N/A	N/A	N/A	2/85	REPLACEMENT	NO

7. Description of Work REPLACE VALVE

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1.5 X DESIGN psi Test Temp. AMBIENT °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

* UPSTREAM WELD RECEIVED FUNCTIONAL TEST AND DOWNSTREAM WELD WAS HYDROSTATICALLY TESTED PER RELIEF REQUEST (ATTACHED).

FORM NIS-2 (Back)

9. Remarks Valve P.O. # 554 175489 (1)
Pipe P.O. # 54 13032 (2)
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed W. P. Kogee ISE Eng. Date FEB. 12, 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 Va and employed by HSB E + I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Cedar Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-13 19 91



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

January 23, 1991

Docket No. 50-280

Serial # 91-050

Rec'd. JAN 28 1991

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

Nuclear Operations
Licensing Supervisor

Dear Mr. Stewart:

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,

A handwritten signature in cursive script that reads "Herbert N. Berkow".

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

Surry Power Station

cc:

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

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

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

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

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

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

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

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

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



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 steam-driven 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

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 102352
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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)
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	UNKNOWN

7. Description of Work REPLACE LUBE OIL COOLER
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.

FORM NIS-2 (Back)

9. Remarks COOLER PO # CSY-136685-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed *W. L. Rogers* ISE Eng. Date FEB-6, 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 VA and employed by HSBI&I Co. of

Hartford, Ct. have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Cohen Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-7 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
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 N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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)
OIL COOLER	BASCO	UNKNOWN	N/A	01-CH-E-5A	UNKNOWN	REPLACED	UNKNOWN
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 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.

FORM NIS-2 (Back)

9. Remarks COOLER PO # CSY-136685-1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Rogers ISI Eng. Date 125.5, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 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 employer shall be 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. Cozler Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-5 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 084583
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
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 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	ALOYCO	UNKNOWN	N/A	01-SI-25	UNKNOWN	REPLACED	UNKNOWN
STUDS	CARDINAL IND.	44969	N/A	01-SI-25	3-10-90	REPLACEMENT	UNKNOWN
NUTS	CARDINAL IND.	44970	N/A	01-SI-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 100? 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.

FORM NIS-2 (Back)

9. Remarks STUDS PO # CSY-290637-1
Applicable Manufacturer's Data Reports to be attached
NUTS PO # CSY-290693-1

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. h. Rogers ISI Eng. Date Jan. 31, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert J. Coden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-31 19 91

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 1-28-91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WO # 3800 076576
Address 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System SERVICE WATER
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 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)
ORIFICE	VA POWER	NONE	N/A	01-SW-FE-120A	UNKNOWN	REPLACED	UNKNOWN
ORIFICE	HUSSEY (FARMERS)	HEAT # 042 LOT # A	N/A	01-SW-FE-120A	2-7-89	REPLACEMENT	UNKNOWN

7. Description of Work REPLACE ORIFICE PLATE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure NOP 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.

FORM NIS-2 (Back)

9. Remarks ORIFICE P6 # CSY-227866

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed David P. Pogue ISI Inc. Date JAN. 31, 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 VA and employed by HSBI&I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Code Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-31 19 91

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 1-18-1991
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060 Sheet 1 of 1
2. Plant Surry Power Station Unit 1
Name
P.O. Box 315, Surry, VA 23883 3800097118, 3800097111
Address 23883 3800097118, 3800097111
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System Snubber on Main Steam System
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 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)
<u>Snubber</u>	<u>ITT</u>	<u>-</u>	<u>-</u>	<u>1-MS-HSS-12</u>	<u>88</u>	<u>Replacement</u>	<u>No</u>
<u>Snubber</u>	<u>Anchor Darling</u>	<u>960</u>	<u>-</u>	<u>1-WGCB-MSS-10</u>	<u>88</u>	<u>Replacement</u>	<u>No</u>
<u>Threaded Bar</u>	<u>Cavelin Ind. Products</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>88</u>	<u>Replacement</u>	<u>No</u>

7. Description of Work Replace snubber with new
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure _____ psi Test Temp. _____ °F
Functional test

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 P.O. CSY-216709 (BAR) & SSY-196021 (ITT) & CSY-196219
Applicable Manufacturer's Data Reports to be attached
were used to purchase numbers.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed David L. Logan ISI Eng. Date JAN. 18, 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 VA and employed by HSBI&I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 11-22-89 to 2-22-92, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-22 1991

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 1/16/91
Name
5000 Dominion Blvd., Glen Allen, VA Sheet 1 of 1
Address 23060
2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 WP# 3800087196
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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 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	EDWARDS	FIG. 36124 R316T4	N/A	1-CH-278	-	REPLACED	NO
VALVE	ROCKWELL INT	2158	N/A	1-CH-278	10/87	REPLACEMENT	NO

7. Description of Work REPLACE VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1.25X DESIGN psi Test Temp. AMBIENT °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

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

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Rogers ISI Eng. Date Jan. 16, 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 VA and employed by HSBI&I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Cochr Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-16 19 91

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.
Name

Date 1/10/91

5000 Dominion Blvd., Glen Allen, VA
Address 23060

Sheet 1 of 1

2. Plant Surry Power Station
Name

Unit ONE

P.O. Box 315, Surry, VA 23883
Address

WO # 3800104378
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power
Name

Type Code Symbol Stamp N/A

P.O. Box 315, Surry, VA 23883
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR COOLANT

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 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)
<u>TURBINE PLUG</u>	<u>TURBINE SPECIALISTS, INC.</u>	<u>30929</u>	<u>N/A</u>	<u>1-RC-E-1C</u>	<u>1978</u>	<u>REPLACED</u>	<u>NO</u>

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.

FORM NIS-2 (Back)

9. Remarks CONTRACT # 99-00-85-399
CONTRACT RELEASE # CK-6001-034
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. G. Rogers ISE Eng. Date Jan. 10, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-91, 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.

Robert L. Coder Commissions VA 543
Inspector's Signature RLE National Board, State, Province, and Endorsements

Date 1-10- 19 91

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.
Name

Date 11/15/90

5000 Dominion Blvd., Glen Allen, VA
Address 23060

Sheet 1 of 1

2. Plant Surry Power Station
Name

Unit I

P.O. Box 315, Surry, VA 23883
Address

WO # 3800107100
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power
Name

Type Code Symbol Stamp N/A

P.O. Box 315, Surry, VA 23883
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR COOLANT

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 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)
<u>STEAM GENERATOR TUBE TIGERS</u>	<u>Tooling Specialties, Inc.</u>	<u>30879</u> <u>30925</u>	<u>N/A</u>	<u>I-RC-E-10</u>	<u>1978</u>	<u>REPAIRED</u>	<u>YES</u>

7. Description of Work PLUG TUBE SHEET WHERE 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.

FORM NIS-2 (Back)

9. Remarks TUBE LOCATIONS : R10, C53 (30879);
Applicable Manufacturer's Data Reports to be attached
R25, C57 (30925)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed A. P. Breen ISI ENGINEER Date NOVEMBER 15, 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 VA and employed by HSBI&I Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 12/22/89 to 2/22/90, 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 L. Codar Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 11/16 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 VA. power Name _____ Date 12-14-90
5000 Dominion Blvd. Glen Allen VA. Address _____ Sheet 1 of 1
2. Plant Surry power station Name _____ Unit 1
P.O. Box 315 Surry VA. 23883 Address _____ DCP-87-28 Repair Organization P.O. No., Job No., etc.
3. Work Performed by VA. Power Name _____ Type Code Symbol Stamp NA
Same Address _____ Authorization No. NA
 Expiration Date NA
4. Identification of System Component Coolant System (c.c) class 3
5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 50 W50

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-433-2A	NA	1-CC-E-1A	NA	Replaced	NA
Heat Exchanger	YUBA	87-G-433-2B	NA	1-CC-E-1B	NA	Replaced	NA

7. Description of Work Replace Heat Exchanger as per DCP-87-28
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 188 psi cc side 38 psi gw side 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.

FORM NIS-2 (Back)

9. Remarks P.O. 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 Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. N/A Expiration Date NA

Signed R. L. Logans ISI Engineer 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 Va and employed by HSBI&ICO of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Codon Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-14 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.
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060

Date 12/2/90
Sheet 1 of 1

2. Plant Surry Power Station
Name
P.O. Box 315, Surry, VA 23883
Address

Unit ONE
EWB 89-145 WO # 3800099837 ⁷⁵⁴
Repair Organization P.O. No., Job No., etc. 12/2/90

3. Work Performed by Virginia Power
Name
P.O. Box 315, Surry, VA 23883
Address

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

4. Identification of System CONTAINMENT SPRAY

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 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)
<u>BONNET BOLTS</u> <u>CHECK VALVE</u>	<u>CARDINAL IND.</u> <u>PROD. CO., INC.</u>	<u>46512</u>	<u>N/A</u>	<u>1-C5-13</u>	<u>9/90</u>	<u>REPLACEMENT</u>	<u>NO</u>

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

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 45 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.

FORM NIS-2 (Back)

9. Remarks Stud PO# CS4316249 (2)
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Logan ISE Engineer Date Dec. 10, 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 VA and employed by HSBI&I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-11 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.
Name

Date Dec. 2, 1990

5000 Dominion Blvd., Glen Allen, VA
Address 23060

Sheet 1 of 1

2. Plant Surry Power Station
Name

Unit ONE

P.O. Box 315, Surry, VA 23883
Address

DC87-30
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power
Name

Type Code Symbol Stamp N/A

P.O. Box 315, Surry, VA 23883
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System CHEMICAL AND VOLUME CONTROL

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 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)
<u>GATE VALVE</u>	<u>VELAN</u>	<u>B08-2054B-13MS</u>	<u>N/A</u>	<u>1-CH-455</u>	<u>1988</u>	<u>REPLACEMENT</u>	<u>NO</u>

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

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 750 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.

FORM NIS-2 (Back)

9. Remarks PO # 176026
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. H. Rogan ISI Engineer Date Dec. 2, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-90, 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 F. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-2 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.
Name

Date 12/2/90

5000 Dominion Blvd., Glen Allen, VA
Address

Sheet 1 of 1

23060

2. Plant Surry Power Station
Name

Unit ONE

P.O. Box 315, Surry, VA 23883
Address

DC 87-30
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power
Name

Type Code Symbol Stamp N/A

P.O. Box 315, Surry, VA 23883
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System CHEMICAL AND VOLUME CONTROL

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 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)
<u>VALVE</u>	<u>—</u>	<u>—</u>	<u>N/A</u>	<u>1-CH-TV-1204</u>	<u>UNKNOWN</u>	<u>REPLACED</u>	<u>UNKNOWN</u>
<u>PIPING</u>	<u>—</u>	<u>—</u>	<u>N/A</u>	<u>NONE</u>	<u>UNKNOWN</u>	<u>REPLACED</u>	<u>UNKNOWN</u>
<u>VALVE</u>	<u>COPES-VULCAN, INC</u>	<u>882097274</u> <u>1-1</u>	<u>N/A</u>	<u>1-CH-TV-1204</u>	<u>1988</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>PIPING</u>	<u>HUB, INC.</u>	<u>VARIOUS</u>	<u>N/A</u>	<u>NONE</u>	<u>1988/90</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work _____

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 250 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.

FORM NIS-2 (Back)

9. Remarks VALVE PO# BNT 172991
Piping PO# CS4-191376 & CS4 321292
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. G. Rogers ISI ENGINEER Date Dec. 2, 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 1-22-90, 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 F. Coder Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/2 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 Nov. 27, 1990
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060
 2. Plant Surry Power Station Unit ONE
Name
P.O. Box 315, Surry, VA 23883 EWR 89-327
Address 23883 Repair Organization P.O. No., Job No., etc.
 3. Work Performed by Virginia Power Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 315, Surry, VA 23883 Expiration Date N/A
Address
 4. Identification of System Aux. FEEDWATER
 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 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	WAWORTH	—	N/A	1-PW-MOV-151E	—	REPLACED	—
VALVE	WAWORTH	—	N/A	1-PW-MOV-151F	—	REPLACED	—
VALVE	VECAN	888638	N/A	1-PW-MOV-151E	1988	REPLACEMENT	NO
VALVE	VECAN	888635	N/A	1-PW-MOV-151F	1988	REPLACEMENT	NO

7. Description of Work REPLACE VALVES AND ASSOCIATED PIPING
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 1475 psi Test Temp. 120 °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 VALVE PO# CNT-188603(1); 3" Pipe PO# CS4-128963(1);
2" Pipe PO# CS4-317999(8); 2 1/2" Pipe PO# 308501(6);
3" Pipe PO# 35239(5)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed W. J. Lopez ISI ENGINEER Date Nov. 27, 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 VA and employed by HSBI&I Co. of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-92, 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.

Robert L. Coden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-27, 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.
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060

Date 11/27/90

Sheet 1 of 1

2. Plant Surry Power Station
Name
P.O. Box 315, Surry, VA 23883
Address

Unit ONE

EdR 89-327
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power
Name
P.O. Box 315, Surry, VA 23883
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Aux. FEEDWATER

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 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)
<u>VALVE</u>	<u>WALWORTH</u>	<u>-</u>	<u>N/A</u>	<u>1-FW-MOV-151C</u>	<u>-</u>	<u>REPAIRED</u>	<u>-</u>
<u>VALVE</u>	<u>WALWORTH</u>	<u>-</u>	<u>N/A</u>	<u>1-FW-MOV-151D</u>	<u>-</u>	<u>REPAIRED</u>	<u>-</u>
<u>VALVE</u>	<u>VEGAN</u>	<u>888634</u>	<u>N/A</u>	<u>1-FW-MOV-151C</u>	<u>1988</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>VALVE</u>	<u>VEGAN</u>	<u>888637</u>	<u>N/A</u>	<u>1-FW-MOV-151D</u>	<u>1988</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work _____

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1475 psi Test Temp. 120 °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 Valve PO# CNT-188603(1); 3" Pipe PO# C34-178963(1);
2" Pipe PO# (SC)-317999(8); 2 1/2" Pipe PO# 308501(6);
3" Pipe PO# 35239(5)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. J. Logan ISI Engineer Date Nov. 27, 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 VA and employed by HSBI&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 2-22-90, 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. Coda Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-27 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.
Name
5000 Dominion Blvd., Glen Allen, VA
Address 23060

Date 11/27/90
Sheet 1 of 1

2. Plant Surry Power Station
Name
P.O. Box 315, Surry, VA 23883
Address

Unit ONE
EWB 89-377
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power
Name
P.O. Box 315, Surry, VA 23883
Address

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

4. Identification of System Aux FEEDWATER

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 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	WALWORTH	—	N/A	1-FW-MOV-151A		REPLACED	—
VALVE	WALWORTH	—	N/A	1-FW-MOV-151B		REPLACED	—
VALVE	VECAN	888636	N/A	1-FW-MOV-151A	1988	REPLACEMENT	NO
VALVE	VECAN	888633	N/A	1-FW-MOV-151B	1988	REPLACEMENT	NO

7. Description of Work REPLACE VALVES AND ASSOCIATED PIPING

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 1475 psi Test Temp. 120 °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 VAULT PO# CNT-188603 (1); 3' PIPE, PO# CSY-178963 (1);
Applicable Manufacturer's Data Reports to be attached
2" PIPE PO# CSY 317999 (8); 2 1/2" PIPE PO# 308501 (6);
3" PIPE PO# 35239 (5)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. P. Rogers ISE ENGINEER Date Nov. 27, 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 VA and employed by HSBI&I Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 11-22-90 to 2-22-92, 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.

Robert L. Codan Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-27 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 8/13/90
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address
2. Plant SURRY POWER STATION Unit: ONE
Name
P.O. BOX 315, SURRY, VA 23883 WO # 3800097356
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address
4. Identification of System Component Cooling
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 80480

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)
<u>MANWAY BOLTS</u>	<u>—</u>	<u>—</u>	<u>N/A</u>	<u>1-CC-E-1C</u>	<u>UNRECORDED</u>	<u>REPAIRED</u>	<u>NO</u>
<u>MANWAY BOLTS</u>	<u>AG 6 ENGINEERING</u>	<u>06111230</u>	<u>N/A</u>	<u>1-CC-E-1C</u>	<u>1989</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPLACE CASSETS 2 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)

9. Remarks PO # CS4292928(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 REPAIR 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 [Signature] Date 8/15, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 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.

Robert L. Codes Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-16, 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. Name Date 8/15/80
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address Sheet 1 of 1
2. Plant SURRY POWER STATION Name Unit One
P.O. BOX 315, SURRY, VA 23883 Address WO # 38000 85416
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Name Type Code Symbol Stamp N/A
P.O. BOX 315, SURRY, VA 23883 Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System SERVICE WATER
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 & 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)
STUD (20 EA)	HEAVY PLANT UNKNOWN 811400	7-2472-5-R	N/A	1-SW-40V-105 D	-	REPLACED	NO
NUTS (40 EA)	HEAVY PLANT UNKNOWN 811400	447021-B4	N/A	1-SW-40V-105 D	-	REPLACED	NO
STUD (20 EA)	CARDINAL IND. PRODUCTS	44049-1	N/A	1-SW-40V-105 D	1989	REPLACEMENT	NO
NUT (40 EA)	CARDINAL IND. PRODUCTS	44049-2	N/A	1-SW-40V-105 D	1989	REPLACEMENT	NO

7. Description of Work REPLACE STUDS & NUTS 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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Spec PO # CSY 262358 (2)
Applicable Manufacturer's Data Reports to be attached
Net PO # CSY 262358 (1)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REFERENCE 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 D. L. Boyer Date Aug. 15, 1990
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 in this Owner's Report during the period 12-22-89 to 12-22-90, 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 F. Coder Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-16 1990

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 2/3/90
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address

2. Plant SURRY POWER STATION Unit One
Name
P.O. BOX 315, SURRY, VA 23883 W/O # 3800094315
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address

4. Identification of System CHARLIE

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 80 and 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)
LUBE OIL COOLER	BASCO	939-3810102	N/A	1-CH-E-5A		Replacement	NO

7. Description of Work REPLACE LUBE OIL COOLER

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 55 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.

FORM NIS-2 (Back)

9. Remarks Lube oil correct per 54-15337 (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 PERMANENT 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 D. L. Rogers ISI Eng. Date July 3, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 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.

Robert L. Codan Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-3 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 5/7/90
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address Sheet 1 of 1

2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 Address DESIGN CHANGE 87-29 (PG. 42) FC32
Repair Organization P.O. No., Job No., etc.

3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name
P.O. BOX 315, SURRY, VA 23883 Address Authorization No. N/A
Expiration Date N/A

4. Identification of System COMPONENT COOLING

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 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)
<u>16</u> <u>MANWAY STUDS</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>1-CC-E-1D</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>
<u>32</u> <u>MANWAY NUTS</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>1-CC-E-1D</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACE MANWAY STUDS

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 8 1/4 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 Stud PO# CS4-267358 (4)
Nut PO# CS4-279962 (2)
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. P. Rogers ISE Engineer Date May 7, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 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.

Robert L. Cullen Commissions Va 543
 Inspector's Signature National Board, State, Province, and Endorsements

Date 6-18 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 5/2/90
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address
2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 WO# 3800028148
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name
P.O. BOX 315, SURRY, VA 23883 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Service Water
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 WD

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)
<u>Suction Bell Housing</u>	<u>BINGHAM</u>	<u>V0012</u>	<u>—</u>	<u>1-SW-P-1A</u>	<u>—</u>	<u>REPLACEMENT NO</u>	
<u>1" X 2 1/2" Nipple</u>	<u>Garrett & Abernethy Bonney Forge Div.</u>	<u>19928</u>	<u>—</u>	<u>1-SW-P-1A</u>	<u>—</u>	<u>"</u>	<u>NO</u>

7. Description of Work REMOVE PUMP FOR VENDOR REPAIR
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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Suction Bell Housing PO# 54-10506 (1)
1" x 2 1/2" Nipple PO# 54-06056 (70)
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Deane ISI ENGINEER Date MAY 7, 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 VA and employed by HSBI & I CO. of HARTFORD, CT

have inspected the components described in this Owner's Report during the period 12-22-89 to 12-22-91, 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.

Robert J. Coole Commissions: Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-8 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 May 7, 1990
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address
2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 WO# 38000 23583
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address
4. Identification of System FEED WATER
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 & 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)
<u>STUDS</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>1-FW-276</u>	<u>—</u>	<u>REPAIRED</u>	<u>NO</u>
<u>NUTS</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>1-FW-276</u>	<u>—</u>	<u>—</u>	<u>NO</u>

7. Description of Work REPAIR 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)

9. Remarks STUDS 70# CSY-206074 (5)
NUTS 70# SSY-224228 (3)
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIRMENT 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 D. B. Boccia I SI ENGINEER Date MAY 7, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 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.

Robert J. Corder Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-8 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 4/24/90
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address
2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 WO# 3800082999
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address
4. Identification of System CHEMICAL AND VOLUME CONTROL
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)
<u>Studs</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>1-CH-MOV-1267A</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>
<u>Nuts</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>1-CH-MOV-1267A</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</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.

FORM NIS-2 (Back)

9. Remarks See PO #
Not PO #
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Ryan ISI Eng. Date April 24, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12/22/89 to 12/11/90, 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 P. Coder Commissions Va. 543
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 4/24/90
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address Sheet 1 of 1
2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 Address WO# 3800076450
Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name
P.O. BOX 315, SURRY, VA 23883 Address Authorization No. N/A
Expiration Date N/A
4. Identification of System REACTOR COOLANT
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)
STUDS	—	—	—	1-RC-HLV-1556B	—	REPLACED	NO
NUTS	—	—	—	1-RC-HLV-1556B	—	REPLACED	NO

7. Description of Work OVERHAUL VALVE
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 Stud PO# 534196549 (1)
Net PO# 54139073 (2)
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. J. Rosen ISI Eng. Date April 24, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12/22/89 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.

Robert S. Coder Commissions Va 543
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
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address
 2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 NO # 3800083355
Address Repair Organization P.O. No., Job No., etc.
 3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address

4. Identification of System _____
 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 WR0

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	—	—	—	FLANGE	—	REPLACED	NO
STUDS & NUTS	—	—	—	FLANGE	—	REPLACED	NO
STUDS & NUTS	—	—	—	FLANGE	—	REPLACED	NO

7. Description of Work REPLACE STUDS & NUTS ON 3 FLANGES
 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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 3/4" Stud PO# CS4-230935 (4)
 Applicable Manufacturer's Data Reports to be attached
3/4" NUT PO# SS4-197203 (12)
5/8" Stud PO# CS4-244648 (1)
5/8" Nut PO# SS4-213298 (5)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Lopez ISE Eng. Date MARCH 15, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 9-11-90, 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 L. Coder Commissions Va 543
 Inspector's Signature National Board, State, Province, and Endorsements

Date 3-16 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 MARCH 15, 1990
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address
2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 WO # 3800085418
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address
4. Identification of System SERVICE WATER
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 1980 & 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-SW-MOV-105B	—	REPLACED	NO
NUTS	—	—	—	1-SW-MOV-105B	—	REPLACED	NO

7. Description of Work REPLACE STUDS & NUTS (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.

FORM NIS-2 (Back)

9. Remarks Stud PO # CSY-267358(2)
Net PO # CSY-267358(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 Repairment 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 D. L. Person ISI Eng. Date MARCH 15, 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 VA and employed by HSBI & I CO. of HARTFORD, CT

have inspected the components described in this Owner's Report during the period 12-22-89 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.

Robert L. Corder Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 3-16, 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 FEB. 2, 1990
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address
2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 WO# 3800085417
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address
4. Identification of System SERVICE WATER
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 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 (26EA)	—	—	—	1-SW-MOV-105A	—	REPLACED	NO
NUTS (52EA)	—	—	—	"	—	REPLACED	NO

7. Description of Work REPLACE VALVE BOOTING (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.

FORM NIS-2 (Back)

9. Remarks Stud PO# CSY-267358 (2)
Nat PO# CSY-267358 (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 Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Beal Date FEB. 2, 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 VA and employed by HSBI & I CO. of HARTFORD, CT ~~12-22-89~~ ¹²⁻²²⁻⁸⁹ ~~12-22-89~~ ¹²⁻²²⁻⁹⁰ have inspected the components described in this Owner's Report during the period 12-22-89 to 12-22-90, 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 L. Cuden Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-9 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 2/2/90
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address
2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 WO# 3800085418
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name
P.O. BOX 315, SURRY, VA 23883 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Service Water
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 70 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)
<u>STuds (266A)</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1-5W440-105B</u>	<u>-</u>	<u>REPLACED</u>	<u>NO</u>
<u>Nuts (524A)</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>4</u>	<u>-</u>	<u>4</u>	<u>NO</u>

7. Description of Work REPLACE VALVE BOETING
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)

9. Remarks Stud PO# CS4-267358(2) ^{2/22/90} CS4
Net PO# CS4-267358(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 REPAIR/REPLACE 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 D. L. Lopez ISI Eng. Date FEB. 2, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 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.

Robert L. Coder Commissions Va 543
 Inspector's Signature National Board, State, Province, and Endorsements

Date 2-9 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 2/2/90
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address

2. Plant SURRY POWER STATION Unit One
Name
P.O. BOX 315, SURRY, VA 23883 WO# 3800085414
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address

4. Identification of System Service Water

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 Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>STUDS</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>1-SW-MOD-104B</u>	<u>—</u>	<u>REPLACED</u>	<u>No</u>
<u>NUTS</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>4</u>	<u>—</u>	<u>REPLACED</u>	<u>No</u>

7. Description of Work REPLACE VALVE BOCKETING

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)

9. Remarks Stud PO# CS4-267358 (2)
Applicable Manufacturer's Data Reports to be attached
Net PO# CS4-267358 (1)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Rogers ISI Eng. Date Feb 2, 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 VA and employed by HSBI & I CO. of HARTFORD, CT

have inspected the components described in this Owner's Report during the period 12-22-89 to 12-22-90, 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 L. Odon Commissions VA 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-9 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 Feb. 2, 1990
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address

2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 WO# 3800085415
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address

4. Identification of System SERVICE WATER

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 80 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)
<u>Studs</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1-SW-40V-105C</u>	<u>-</u>	<u>REPLACED</u>	<u>NO</u>
<u>NUTS</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>"</u>	<u>-</u>	<u>"</u>	<u>NO</u>

7. Description of Work REPLACE VALVE BOATING

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)

9. Remarks Stud PO# CS4-267358(2)
Net PO# CS4-267358(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 REPAIR/REPLACE 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 R. L. Rogee ISI Eng. Date FEB. 2, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period: 12-22-89 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.

Robert F. Coden Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements
Date 2-9 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. Name Date FEB. 2, 1990
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address Sheet 1 of 1
2. Plant SURRY POWER STATION Name Unit ONE
P.O. BOX 315, SURRY, VA 23883 Address WO# 3800085413 Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Name Type Code Symbol Stamp N/A
P.O. BOX 315, SURRY, VA 23883 Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System Service Water
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 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)
<u>STUDS</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>1-SW-40V-104D</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>
<u>NUTS</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>"</u>	<u>—</u>	<u>"</u>	<u>NO</u>

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.

FORM NIS-2 (Back)

9. Remarks Stud PO# CS4-267358 (2)
Nut PO# CS4-267358 (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 Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. L. Rogers Date FEB 2, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 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.

Robert L. Coden Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-9, 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 1-31-90
Name
5000 Dominion Rd. Glen Allen, VA. 23060 Sheet 1 of 1
Address
2. Plant Surry Power Station Unit 1
Name
P.O. Box 315 Surry, VA. 23883 3800074736
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Same Type Code Symbol Stamp N/A
Name Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Service Water (class 3)
5. (a) Applicable Construction Code B31.1 1967 Edition, NO Addenda, NO Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 WB0

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)
Flange (1)	DuBose steel	NA	NA	1-SW-Flg-NA	NA	NA	NA
Nipple	Nojunkin Corp.	NA	NA	1-SW-NIP-1B	NA	NA	NA

7. Description of Work Replace Flange and nipple per Encl - 88-523
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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Flange - P.O. IP 38321
Applicable Manufacturer's Data Reports to be attached
Nipple - P.O. SY 06056
EWR - 88-523

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed W. L. Lopez Date FEB 5, 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 Va and employed by HSBI+I Co of Hartford, CT have inspected the components described in this Owner's Report during the period 12-22-89 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.

Robert L. Coder Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements
Date 2-9-90 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 1/10/90
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address

2. Plant SURRY POWER STATION Unit One
Name
P.O. BOX 315, SURRY, VA 23883 38000 89089
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. BOX 315, SURRY, VA 23883 Expiration Date N/A
Address

4. Identification of System Service Water

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 Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" x 2" Nipple	Consolidated Power Supply	38558100	N/A	HSW-TI-HK	N/A	Replaced	No

7. Description of Work Replace Nipple

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 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Nipple PO# CSY-223545
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. G. Logan ISE Eng Date Jan. 15, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 12-22-90, 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 L. Coder Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-17 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. Name Date 1/5/90
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Address Sheet 1 of 1
2. Plant SURRY POWER STATION Name Unit ONE
P.O. BOX 315, SURRY, VA 23883 Address 3800078682 Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Name Type Code Symbol Stamp N/A
P.O. BOX 315, SURRY, VA 23883 Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System CRABAPPLE
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)
<u>VALVE</u>	<u>J.H. FRISCHMORN</u>	<u>—</u>	<u>—</u>	<u>ICH-274</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOW</u>	<u>J.H. FRISCHMORN</u>	<u>160431</u>	<u>N/A</u>	<u>—</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 2500 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.

FORM NIS-2 (Back)

9. Remarks VALVE PO# 54 09614 (1)
Applicable Manufacturer's Data Reports to be attached
90° Elbow PO# 534 128558 (2)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed Daniel L. Rogere ISI Eng. Date Jan. 5, 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 VA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 12-22-89 to 12-22-90, 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. Codes Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-17 19 90

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

1. Owner Virginia Power (Name) Date Dec 28, 1988
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Jerry Power Station (Name) Unit 1
P.O. Box 315 (Address) Jerry Va. 23883
3. Work Performed by Virginia Power (Name) EWR No. 88-316/WO.# 073076
P.O. Box 315 (Address) Jerry Va. 23883 Repair Organization P.O. No., Job No., etc.
4. Identification of System Component Cooling Water
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, W80 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CHECK VALVE	MISSION VALVE & PUMP CO.	34000	-	-	01-CC-176	-	Replacement	NO

7. Description of Work Removed Check Valve 01-CC-176 and replaced with new check valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Performed operational test PT-41.2
 Pressure 95 psi Test Temp. 92°F
9. Remarks New Check Valve, 18 INCH, Manufactured by Mission Valve and Pump Co., Model G-15 SMP P.O. CSY-121069.
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
 Signed Alexander McNeil ISI 1/9, 19 89
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSB I & I CO of Hartford, CT have inspected the replacement described in this Report on 1-10, 19 89
(Repairs or Replacement(s))
 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 1-10-89 Robert S. Cohen Commissions Va 543 NB 7009
(Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 7/22/89
(Name)
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
(Name)
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power 38000 81795
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Component Cooling
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	NA	NA	NA	NA	1-CC-177	NA	Replaced	NO

7. Description of Work Replaced Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOP psi Test Temp. NOT °F
9. Remarks SYSTEM IN SERVICE TEST PERFORMED AT NOT/HOT CONDITIONS
(Applicable Manufacturer's Data Reports to be attached) Installed check Valve From 1-CC-176. No PO's involved

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replaced conforms to Section XI of the ASME Code.
(repair or replacement)

Signed David L. Rogers Title ISI Date July 22, 19 89
(Owner or Owner's Designee) (Title) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replaced described in this Report on 7-24, 19 89
(Repairs) or Replacement(s)

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 7-24-89 Robert S. Coda Commissions NB7009 Va 543
(Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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 FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric and Power Co. Date 1-12-90
Name
5000 Dominion Blvd. Glen Allen Sheet 1 of 1
Address
 2. Plant Surry Power station Unit one
Name
P.O. Box 315 Surry, VA. 23883 3800381435 / ENR-89-307
Address Repair Organization P.O. No., Job No., etc.
 3. Work Performed by VA. Power Type Code Symbol Stamp _____
Name Authorization No. _____
Same Address Expiration Date _____
Address
 4. Identification of System Reactor Coolant system (class 1)
 5. (a) Applicable Construction Code B31.1 19 67 Edition, _____ Addenda, _____ Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, w 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)
SPool piece	CPS/Taylor Forge stainless	-	-	1-RC-95	-	Replaced	-

7. Description of Work cut valve out & Replaced with a spool piece per ENR-89-307
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 2350 psi Test Temp. 574 °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 P.O. CSJ-247399
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA
Certificate of Authorization No. NA Expiration Date NA
Signed David H. Boyer Date Jan. 12, 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 Va and employed by HSBI+I Co of Hartford, Ct have inspected the components described in this Owner's Report during the period 12-22-89 to 12-22-90, 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 L. Codan Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements
Date 1-12 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 Power Co. Date 1-8-90
Name
5000 Dominion Blvd. Glen Allen Sheet 1 of 1
Address VA.
23060
2. Plant Surry power station. Unit 1
Name DCP-87-29 P-2
Address P.O. Box 315, Surry, VA. 23883 Repair Organization P.O. No., Job No., etc.
3. Work Performed by VA. power Type Code Symbol Stamp n/a
Name Authorization No. n/a
Acme Address Expiration Date n/a
Address
4. Identification of System Component cooling, ASME XI class III
5. (a) Applicable Construction Code B31.1 19 67 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W80 Addenda
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-HX-D	1988	Replacement	YES NO

7. Description of Work Replace Heat exchanger
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 225 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.

FORM NIS-2 (Back)

9. Remarks Data Report attached.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed David L. Rogner ISI Eng. Date 1/9/90, 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 Va. and employed by HSB I+I Co of Hartford, Ct. have inspected the components described in this Owner's Report during the period 12-22-89 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.

Robert J. Codan Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9 19 90

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

as required by the provisions of the ASME Code rules, Section VIII, Division 1



NOTED 11/10/1988

- 1. Manufactured and certified by Yuba Heat Transfer Division 2121 N. 161st E. Ave. Tulsa, OK
2. Manufactured for Virginia Power Electric Power Company 5000 Dominion Blvd. Glen Allen, VA 23060
3. Location of installation Virginia Power Surry Construction Project Surry, Virginia 23883
4. Type: Exchanger 87-G-433-1B - 87-G-433-1 5418 1988
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Code, Section VIII, Division 1: 1986
A'86

Items 6-11 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

- 6. Shell: SA-516-70 1/2" .125" 4'-3" 36'-9 1/2"
7. Seams: Dbl Full 100% - - Dbl Full 4
8. Heads: (a) - (b) -

Table with 10 columns: Location (top, bottom, ends), Minimum Thickness, Corrosion Allowance, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex Angle, Hemispherical Radius, Flat Diameter, Side to Pressure (convex or concave). Rows (a) and (b) are empty.

If removable, bolts used (describe other fastenings): - (mat'l. spec. no., gr., size, no.)

- 9. Type of jacket: - Proof test: -
10. Jacket closure: - If bar, give dimensions: - If bolted, describe or sketch.

11. MAWP 150 at max. temp. 150 Min. temp.: - Hydro., pressure test press.: 225

Items 12 and 13 to be completed for tube sections. *With clad 3/8" SB-265-Gr 2 Titanium Plate

- 12. Tubesheets: SA-350-LF2 * 56 7/8" 1 13/16" .125" Welded
13. Tubes: SB-338-Gr 2 3/4" .028 1600 Straight

Items 14-17 inclusive to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

- Inlet Channel
14. SA-516-70 5/8" 0 4'-3" 4'-8 1/2"
15. Seams: Dbl Full 100% 1100°F 1 Dbl Full 1
16. Heads: (a) - (b) -

Table with 10 columns: Location (top, bottom, ends), Minimum Thickness, Corrosion Allowance, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex Angle, Hemispherical Radius, Flat Diameter, Side to Pressure (convex or concave). Rows (a) and (b) contain channel flange data.

If removable, bolts used (describe other fastenings): 3/4" SA-193-B7 studs & SA-194-2H nuts

MAWP 150 at max. temp. 150 Min. temp.: - Hydro., pressure test press.: 225

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 AI.

FORM U-1 (back)

g. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	Number	Dia. or Size	Type	Mat'l.	Nom. Thickness	Reinforcement Material	How Attached	Location
Channel In/Out	2	30"	Plate	SA-516-70	1/2"	-	Welded	Channel
Channel In/Out	2	30"	RFWN	SA-105	150#	-	Welded	Channel
Shell In/Out	2	18"	Pipe	SA-106-1	1/2"	SA-516-70	Welded	Shell
Shell In/Out	2	18"	RFWN	SA-105	150#	SA-516-70	Welded	Shell
Shell Vent & Drain	4	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#	-	Welded	Shell
Chem Clean Nozz.	4	2"	RFLWN	SA-105	150#	-	Welded	Shell/Channel
Aux. Cplgs	2	3/4"	Cplg	SA-182-F304	6000#	-	Welded	Channel
Aux. Cplgs	2	1"	Cplg	SA-182-F304	6000#	-	Welded	Channel
Gauge Glass Conn	2	1"	Cplg	SA-182-F304	6000#	-	Welded	Channel

19. Supports: Skirt No Lugs - Legs - Other 2 Saddles Attached Shell Welded
(yes or no) (no.) (no.) (describe) (where and how)

20. Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

(name of part, item number, mfr's name and identifying stamp)

(18) Channel Vent: (2) (3/4") (Cplg) (SA-182-F304) (6000#) (-) (Welded) (Channel)

Channel are marked 87-G-433-3

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization no. 11,178 expires 6-4, 19 89

Date 6/29/88 Name Yuba Heat Transfer Division

(manufacturer)

Signed Jack Feder
Jack (representative) Feder

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Yuba Heat Transfer Division at Tulsa, Oklahoma

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of Oklahoma and employed by Commercial Union Insurance Company

of Boston, MA have inspected the pressure vessel described in this Manufacturers' Data

Report on 6/28, 19 88, and state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1.

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

Date 6/29/88 Signed Raymond White Commissions Nat'l Brd. # 8223 OK # 268

(Nat'l. Bd. (incl. endorsements) state, prov. and no.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly construction of all parts of this vessel conforms with the requirements of Section VIII, Division 1 of the ASME BOILER AND PRESSURE VESSEL CODE.

"U" Certificate of Authorization no. _____ expires _____, 19 _____

Date _____ Name _____ Signed _____

(assembler that certified and constructed field assembly)

(representative)

CERTIFICATE OF FIELD ASSEMBLY 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 _____

of _____ have compared the statements in this Manufacturers' Data

Report with the described pressure vessel and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief, the manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of _____ psi.

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

Date _____ Signed _____ Commissions _____

(Authorized Inspector)

(Nat'l. Bd. (incl. endorsements) state, prov. and no.)

NOTED

FORM U-4 MANUFACTURERS' DATA REPORT SUPPLEMENTARY SHEET

as required by the provisions of the ASME Code rules, Section VIII, Division 1



1. Manufactured and certified by Yuba Heat Transfer Division 2121 N. 161st E. Ave. Tulsa, OK
(name and address of manufacturer)
2. Manufactured for Virginia Power Electric Power Company 5000 Dominion Blvd. Glen Allen, VA
(name and address of purchaser) 23060
3. Location of installation Virginia Power, Surry Construction Project, Surry Virginia 23883
(name and address)
4. Type: Exchanger 87-G-433-1B - 87-G-433-1 5418 1988
(horiz., vert., tank, etc.) (mfr's. serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)

Data Report Item Number	Remarks
	<u>Inlet Channel Cover **</u>
	<u>(SA-516-70) (56 7/8" O.D. X 4 1/2" thick) (C.A. - 0)</u>
	<u>Manway **</u>
	<u>(SA-105) (18" - 150#) (RFWN) (C.A. - 0)</u>
	<u>Manway Cover</u>
	<u>(SA-105) (18" - 150#) (RFBL) (C.A. - 0)</u>
	<u>Bolting</u>
	<u>1 1/8" SA-193-B7 studs & SA-194-2H nuts</u>
	<u>3/4" SA-193-B7 studs & SA-194-2H nuts</u>
	<u>**Heat Treat at 1100°F 1 hour</u>
	<u>Outlet Channel</u>
	<u>(SA-516-70) (5/8" thk) (C.A. - 0) (4'-3" diam.) (4"-8 1/2" length)</u>
	<u>(Db1) (Full) (100%) (1100°F) (1 hr) (Db1) (Full) (1)</u>
	<u>Channel Flange (SA-105-N) (51" I.D. X 56 7/8" O.D. X 3 1/8" thk) (C.A.-0)</u>
	<u>Channel Flange (SA-105-N) (51" I.D. X 56 7/8" O.D. X 3 1/8" thk) (C.A.-0)</u>
	<u>Outlet Channel Cover **</u>
	<u>(SA-516-70) (56 7/8" O.D. X 4 1/2" thk) (C.A. - 0)</u>
	<u>Manway **</u>
	<u>(SA-105) (24" - 150#) (RFWN) (C.A. - 0)</u>
	<u>Manway Cover</u>
	<u>(SA-105) (24" - 150#) (RFBL) (C.A. - 0)</u>
	<u>Bolting</u>
	<u>1 1/2" SA-193-B7 studs & SA-194-2H nuts</u>
	<u>3/4" SA-193-B7 studs & SA-194-2H nuts</u>
	<u>** Heat Treat at 1100°F 1 hour</u>

Date 6/29/88 Name Yuba Heat Transfer Division Signed Jack Federline
(manufacturer) (representative)

Date 6/29/88 Signed Raymond White Commissions Nat'l Brd. # 8223 OK # 268
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state, prov. and no.)

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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 12/14/89
Name
5000 DOMINION BLVD., GLEN ALLEN, VA 23060 Sheet 1 of 1
Address
2. Plant SURRY POWER STATION Unit ONE
Name
P.O. BOX 315, SURRY, VA 23883 NO # 3800087267
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Name
P.O. BOX 315, SURRY, VA 23883 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System COMPONENT COOLING
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 Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>BOLTS (4EA)</u>	<u>-</u>	<u>-</u>	<u>N/A</u>	<u>1-CC-E-1A</u>	<u>-</u>	<u>REPLACED</u>	<u>NO</u>
<u>NUT (2EA)</u>	<u>-</u>	<u>-</u>	<u>N/A</u>	<u>1-CC-E-1A</u>	<u>-</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACE FLANGE BOLTING
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 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks Mar 70 # 554213298(5)
Boat PO# 654232185(2)
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed D. P. Lopez ISE Eng. Date Dec. 14, 19 89
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 in this Owner's Report during the period 12-2-86 to 9-19-89, 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.

Robert F. Coelan Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 12-14 19 89

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

1. Owner Virginia Power Date 8/1/89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 78146
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	McWain Corp.	2070201	N/A	N/A	1-CH-305	N/A	Replaced	NO
2" Pipe	Kadnor	3885513	N/A	N/A	1-CH-305	N/A	Replaced	NO

7. Description of Work Replace Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other M 23
 Pressure 2170 # psi Test Temp. 207 °F
9. Remarks Valve PO # NS-05611
2" Pipe PO # SY-115135
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed [Signature] Title ISI Date Aug 11, 19 89
 (Owner or Owner's Designee)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of

Hartford, CT. have inspected the replacement described in this Report on 12-20, 19 89
 (Repairs or Replacements)

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 12-20-89 Robert L. Cohen Commissions VA 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 11/8/89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit 1
P.O. Box 315 (Name)
Surry, VA 23883 (Address)
3. Work Performed by VA. Power 3800083230 / ENR 89-485
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System Service Water
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>VALVE</u>	<u>The Wm. Powell Co.</u>	<u>428430</u>	<u>N/A</u>	<u>N/A</u>	<u>1-502-108</u>	<u>N/A</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED CHECK VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOP psi Test Temp. NOP °F
9. Remarks VALVE PO# 134794 (2)
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed David L. Rogue ISI 11/6 19 89
 (Owner or Owner's Designer) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 11-14, 19 89
 (Repairs) or Replacement(s)

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 11-14-89 Robert L. Code Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 10/19/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800079509
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System SAFETY INJECTION
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(12 EA) <u>1/4" Stud</u>	<u>Hardware Speciality, Inc.</u>	<u>-</u>	<u>N/A</u>	<u>N/A</u>	<u>01-SI-88</u>	<u>N/A</u>	<u>replaced</u>	<u>No</u>
(12 EA) <u>1/4" Nut</u>	<u>7</u>	<u>-</u>	<u>N/A</u>	<u>N/A</u>	<u>"</u>	<u>N/A</u>	<u>replaced</u>	<u>No</u>

7. Description of Work REPAIR BODY/BOUNNET LEAK
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2335 psi Test Temp. 547 °F
9. Remarks STudd PO# 554 210 438
Nut PO# 554 182 630
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed [Signature] ISI Nov. 2, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 11-2, 19 89
 (Repair(s) or Replacement(s))

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 11-2-89 Robert L. Cedar Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 10/9/89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit C-1E
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 76509
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System SAFETY INJECTION
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, 1980 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1" Studs	-	-	N/A	N/A	SAFETY-FE - 1946	N/A	Replace	No
1" Nuts	-	-	N/A	N/A	-	N/A	Replace	No

7. Description of Work Replace Flange gasket and Bolting
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOT psi Test Temp. NOT °F
9. Remarks See Studd PO# CS4241514
Net PO# CS4239080
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 (Repair or replacement)

Signed D. L. Jones ISI Nov. 2, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA., employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 11-2, 19 89
 (Repairs) or Replacement(s)

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 11-2-89 Robert L. Codan Commissions MB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 6/21/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1

2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)

3. Work Performed by VA. Power 38000 77970
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)

4. Identification of System RH

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'L Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/8" Studs</u>	<u>NOLAN Machine Products</u>	<u>3788271</u>	<u>N/A</u>	<u>N/A</u>	<u>1-RH-E-B</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>

7. Description of Work Replaced Studs

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

9. Remarks
 (Applicable Manufacturer's Data Reports to be attached)
Studs cut from bar from PO# 554-216264-02

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed [Signature] ISI 24 June, 19 89
 (Owner or Owner's Designer) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 6-24, 19 89
 (Repairs) or Replacement(s)

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 6-24-89 Robert J. Coonan Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 6/23/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1

2. Plant Surry Power Station Unit One
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)

3. Work Performed by VA. Power 38000 75888
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)

4. Identification of System SW

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3" Pipe								
3" Flange	HUB Inc.	41548030	NA	NA	1-SWP-1B	NA	replace	no
3" Pipe	John H. Frischkorn	38855650	NA	NA	1-SWP-1B	NA	replace	no

7. Description of Work _____

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOP psi Test Temp 105 °F

9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached) 3" flange - PD# CSY 219580
3" pipe - PD# SY 011065

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. L. Hogan ISI 24 June, 19 89
 (Owner or Owner's Designer) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 6-24, 19 89
 (Repair(s) or Replacement(s)

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 6-24-89 Robert J. Cochran Commissions MB 7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power (Name) Date 6/17/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 3800063831
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Condensate
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" CONNECTOR	JOHN H. FALSBACH KOLB, JR., INC.	20257010	N/A	N/A	N/A	1989	REPLACEMENT	N/A
2" X 2" X 1/2" TEE	WELCO PIPE & PRODUCTS, INC.	N/A	N/A	N/A	N/A	1987	REPLACEMENT	N/A

7. Description of Work INSTALLED NEW SEAL RUSH LINE ON 1-CU-P-2B
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 189 psi Test Temp. 120 °F
9. 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 REPLACEMENT conforms to Section XI of the ASME Code. (repair or replacement)

Signed D. L. Dozore (Owner or Owner's Designee) Title ISI Date 6/17, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 6-19, 1989 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 6-19-89 Robert L. Coonan (Inspector) Commissions NB 7009 Va 14344 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 6/20/89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 76670
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Service Water (Class 3)
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3" Valve	Ferguson EAT	41558710	N/A	N/A	1-SW-P1A	N/A	Replaced	No

7. Description of Work Replace Valve.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 100 psi Test Temp. NOT °F
9. Remarks
 (Applicable Manufacturer's Data Reports to be attached)
3" Valve - PO# CSY-222823

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replaced conforms to Section XI of the ASME Code.
 (Repair or replacement)

Signed Alup McFaul ISI Title 6-20, 19 89
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replaced described in this Report on 6-21, 19 89
 (Report(s) or Replacement(s))

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 6-21-89 Robert J. Cordes Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 06-20-89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit OME
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power 38000.065880 (EWR 89-349)
Same (Name) Repair Organization P.O No., Job No., etc.
 (Address)
4. Identification of System MAIN STEAM SYSTEM
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/2" VALVE</u>	<u>VELAN</u>		<u>NA</u>	<u>NA</u>	<u>W07-30763-025</u> <u>1-15-74</u>	<u>NA</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replace valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other #
 Pressure _____ psi Test Temp. _____ °F
9. Remarks STUCK NO. 02075110 12" GLOBE, Y TYPE A105 Body material.
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed Daniel G. Logan Title ISI Date June 24, 19 88
 (Owner or Owner's Designee)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of

Hartford, CT. have inspected the Replacement described in this Report on 06-20, 1989
 [Repair(s) or Replacement(s)]

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 on a loss of any kind arising from or connected with this inspection.

Date 6-21-89 Inspector Robert J. Code Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power (Name) Date 6-22-89
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unk 1
P.O. Box 315 (Address) Surry VA 23843
3. Work Performed by VA Power (Name) 38000 Dep-86-10
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Service Water (class 3)
5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVES	Henry Pratt Co	-	-	-	1-SW-25	-	Replacement	in NA NO
"	"	-	-	-	1-SW-27	-	"	in NA NO
"	"	-	-	-	1-SW-29	-	"	in NA NO
"	"	-	-	-	1-SW-31	-	"	NO
"	"	-	-	-	1-SW-33	-	"	NO
"	"	-	-	-	1-SW-35	-	"	NO

7. Description of Work Replace Valves
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure _____ psi Test Temp _____ °F
9. Remarks P.O. CSY 121807 (Bolting) ET 16659 (Exp. joints) ET -16610 (VALVES)
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
(repair or replacement)

Signed David L. Higgins (Owner or Owner's Designee) Title ISI Date JUNE 24, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB ISI CO. of Hartford, CT. have inspected the Replacement described in this Report on 6-22, 1989
(Repair(s) or Replacement(s))

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 Robert L. Cochran (Inspector) Commissions NB7009 VA543
(State or Province, National Board)

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

1. Owner Virginia Power Date 6-22-89
P.O. Box 2666 (Name)
 2. Plant Surry Power Station Unh. 1
P.O. Box 315 (Address) Surry VA. 23883
 3. Work Performed by VA Power 38000 DCP-86-10
 (Name) Repair Organization P.O. No., Job No., etc.
same (Address)
 4. Identification of System Service Water (class 3)
 5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVES	Henry Pratt Co.	-	-	-	1-SW-39	-	Replacement	NO
VALVES	"	-	-	-	1-SW-39	-	"	NO
"	"	-	-	-	1-SW-MOV-101A	-	"	NO
"	"	-	-	-	1-SW-MOV-101B	-	"	NO
Expansion Joints (6) by Henry Pratt Co.					Expansion joints		"	NO
HS	Pratt Co	-	-	-	Bolts	-	Replacement	NO

7. Description of Work Replace valves and expansion joints & Bolts
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp _____ °F
 9. Remarks P.O. CSY 121807 (Bolting) ET16659 (Exp. joints) ET16610 (VALVES)
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
 (repair or replacement)
 Signed Daniel C. Rogers Title ISI Date June 24, 19 89
 (Owner or Owner's Designee)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB ISI Co. of Hartford, CT, have inspected the Replacement described in this Report on 6-22, 19 89 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 Robert F. Corbin Commissions MB 7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power Date 06/20/89
(Name)
P.O. Box 26666
(Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
(Name)
P.O. Box 315 Surry, VA 23883
(Address)
3. Work Performed by VA. Power 38000 76510 (EWN 89-353)
(Name) Repair Organization P.O. No., Job No., etc.
Same
(Address)
4. Identification of System LOW HEAD SAFETY INJECTION SYSTEM
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
16 STUDS 7/8" x 1"	M/A	N/A	M/A	M/A	ASTM-A-193	M/A	Replaced	N/A
9 NUTS 7/8"	/	/	/	/	ASTM-A-194	/	Replaced	/
3/4" PLATE	/	/	/	/	ASA 240	/	Replaced	/

7. Description of Work Replaced Gaskets & Bolting. Installed new Spacing Ring Plate
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks STUDS → PO# CSY-229937 NUTS → PO# CSY 229935
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
(repair or replacement)

Signed David L. Rogers ISI June 24 19 89
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 6-21, 19 89
(Repairs) or Replacement(s)

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 6-21-89 Robert L. Coble Commissions NB7009 Va 543
(Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 6/17/89
P.O. Box 26666 (Address) Sheet 1 of 1

2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315 Surry, VA 23883 (Address)

3. Work Performed by VA. Power (Name) DC89-08-3
Same (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System COMPONENT COOLING

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/2" PIPE</u>	<u>John H Frischorn</u>	<u>NA</u>	<u>N/A</u>	<u>N/A</u>	<u>—</u>	<u>NA</u>	<u>REPLACEMENT</u>	<u>N/A</u>
<u>1/2" EL (422)</u>	<u>"</u>				<u>—</u>			
<u>1/2" TR (422)</u>	<u>"</u>				<u>—</u>			
<u>1/2" REDUCER (422)</u>	<u>"</u>				<u>—</u>			
<u>CHECK VALVE (259)</u>	<u>Inventary Management</u>				<u>1-CC-1107</u> <u>1-CC-1188</u>			
<u>REDUCER (422)</u>	<u>John H Frischorn</u>				<u>—</u>			

7. Description of Work DESIGN CHANGE TO EXISTING SYSTEM ("A" LOOP REV.)

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 3106 psi Test Temp. AMBIENT °F

9. Remarks PO# CS4251952-1, CS4-251952-6, CS4-251952-7, CS4-251952-9, CS4251925-1, CS4251952-4
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code (repair or replacement)

Signed D. J. Logue (Owner or Owner's Designee) Title ISI Date JUNE 17, 1989

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacements described in this Report on 6-23, 1989 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 6-23-89 Robert S. Cochran (Inspector) Commissions NB 7009 Va 543 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 6-28-89
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unk 1
P.O. Box 315 Surry VA. 23983 (Address)
3. Work Performed by VA Power (Name) 3900074188, 074187, 074186
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Steam Generator Secondary Manway
5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Steam Generator wet.		-	-	-	1-RC-E-1A	-	Repaired	-
Manway	wet.	-	-	-	1-RC-E-1B	-	Repaired	-
"	"	-	-	-	1-RC-E-1C	-	Repaired	-
"	"	-	-	-				

7. Description of Work Machine Manway
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2300 psi Test Temp. 574 °F
9. Remarks Machine Manway
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. (repair or replacement)

Signed Paul H. Rosen Title ISI Date June 29, 19 89
 (Owner or Owner's Designee)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of VA, employed by HSB ISI Co. of Hartford, CT. have inspected the Replacement described in this Report on 6-28, 19 89 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 6-28-89 Robert L. Corda Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) also is 8 1/2 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

1. Owner Virginia Power (Name) Date 6/6/89
P.O. Box 26666 (Address) Sheet 1 of 1

2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)

3. Work Performed by VA. Power (Name) 38000 76999
Same (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System Chemical and Volume Control (Class 2)

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Pipe	Guyon Alloys	38855130	N/A	N/A	1-CH-278	N/A	Replaced	No
2" Valve	ConVal Inc	2081815	N/A	N/A	1-CH-278	N/A	Replaced	No

7. Description of Work Remove Replace Valve and Support.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 3440 psi Test Temp. AMBIENT °F

9. Remarks 2" Pipe PO# - 57-115135-01
2" Globe Valve PO# - 88470
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed [Signature] (Owner or Owner's Designee) ISI Title JUNE 7 (Date), 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 7-7, 1989 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 7-7-89 Robert J. Coala (Inspector) Commissions NB 7009 - VA 543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 6/30/89
P.O. Box 26666 (Name)
 (Address)

2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)

3. Work Performed by VA. Power 38000 73296
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)

4. Identification of System Service Water

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3" Check Valve	Guyton General Piping Co.	41534950	NA	NA	1-SW-328	NA	Replaced	No

7. Description of Work Replaced Valve

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

9. Remarks 3" Valve PO # - CSY-215165
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (Repair or replacement)

Signed D. L. Brown ISI 6/30 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 6-30, 1989
 (Repair(s) or Replacement(s))

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 6-30-89 Robert L. Coker Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 4 on this date 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

1. Owner Virginia Power Date 07-05-89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit 1 & 2
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000080538 / EWR 89-043
Same (Name) Repair Organization P.O. No., Job No., etc.
4. Identification of System COMPONENT COOLING SYSTEM HEAT EXCHANGER - SERVICE SIDE DNV
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>HEAT EXCHANGER</u>	<u>YUBA</u>	<u>-</u>	<u>-</u>		<u>I-CC-E-1A</u>		<u>REPAIR</u>	<u>YES</u>

7. Description of Work Build up of weld on Component Cooling HX outlet channel Barrel
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks DONE UNDER EWR 89-043
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Repair conforms to Section XI of the ASME Code.
 Signed [Signature] Title ISI Date 07-05, 19 89
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Repair described in this Report on 07-05, 19 89
 (Repairs or Replacements)

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 7-5-89 [Signature] Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8X in. X 11 in., 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

1. Owner Virginia Power (Name) Date 7/12/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 25886 / EWR-88-400 p4/u1
Same (Address) Repair Organization P.O No., Job No., etc.
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
6" Pipe	J.H. Frischborn		NA	NA	RC-337-1502	NA	replaced	NO

7. Description of Work Replace Pipe
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2335 psi Test Temp. 547 °F
9. Remarks None
 (Applicable Manufacturer's Data Reports to be attached) 6" Pipe PO# CS4 174354

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this _____ conforms to Section XI of the ASME Code. (repair or replacement)

Signed D. P. [Signature] (Owner or Owner's Designee) ISI July 19 19 89 (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement (Repair(s) or Replacement(s)) described in this Report on 7-19, 19 89 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 7-19-89 Robert L. Codan (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 4 on this date 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

1. Owner Virginia Power Date 7/25/89
 P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
 P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 80688
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>3/4" Nuts</u>	<u>Hardware Specialties</u>	<u>3759175</u>	<u>NA</u>	<u>NA</u>	<u>I-RC-163</u>	<u>NA</u>	<u>replaced</u>	<u>NO</u>
<u>3/4" Studs</u>	<u>Hardware Specialties</u>	<u>3788256</u>	<u>NA</u>	<u>NA</u>	<u>I-RC-163</u>	<u>NA</u>	<u>replaced</u>	<u>NO</u>

7. Description of Work Remove/Reinstall Blank Flange
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2325 psi Test Temp. 597 °F
9. Remarks
 (Applicable Manufacturer's Data Reports to be attached)
3-3/4" Nuts PO # CSP-146330
4-3/4" Studs PO # CSP-230935

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed [Signature] ISI July 25, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 7-25, 19 89
 (Repairs) or Replacement(s)

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 7-25-89 Robert L. Coder Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 7/18/89
P.O. Box 26666 (Name) Sheet 1 of 1
 (Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 (Name) Surry, VA 23883 (Address)
3. Work Performed by VA. Power 38000 76846
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System SAFETY INJECTION
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
12 1/4" STUDS	Hardware Specialty	06070250	NA	NA	1-SS-241	NA	Replaced	NO
12 1/4" Hex Nuts	AFC Engineering	0203008	NA	NA	1-SS-241	NA	Replaced	NO

7. Description of Work OVERHAULED VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2335 psi Test Temp. 542 °F
9. Remarks
 (Applicable Manufacturer's Data Reports to be attached) 1 1/4" studs PO# 554-210439
1 1/4" Hex Nuts PO# 554-219348

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. C. Rogers ISI 29 July, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 7-31, 19 89
 (Repair(s) or Replacement(s))

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 7-31-89 P. F. Cohen Commissions NB 7009 VAS43
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 7/26/89
P.O. Box 26666 (Address) Sheet 1 of 1
 2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
 3. Work Performed by VA Power 38000 79863
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System Containment Spray
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(8) $\frac{1}{2}$ " Nuts	Hand Work Specialties	3759165	NA	N/A	1-CS-FW6	N/A	Replaced	NO
(8) $\frac{1}{2}$ " Studs	Hand Work Specialties	37882460	N/A	N/A	1-CS-FW6	N/A	Replaced	NO

7. Description of Work Reverse Spectacle Flanges - Replaced Studs in 3/4" Flange
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks $\frac{1}{2}$ " Nut PO# 554-197217
Studs PO# 554-186092
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed [Signature] ISI Title July 29, 19 89
 (Owner or Owner's Designated) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&T CO. of Hartford, CT. have inspected the replacement described in this Report on 7-31, 19 89 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 7-31-89 [Signature] Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power Date 7/18/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1

2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)

3. Work Performed by VA. Power 38000 8/14/17
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)

4. Identification of System Component Cooling

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(12) <u>5/8" Studs</u>	<u>Hardware Specialty</u>	<u>0616331</u>	<u>NA</u>	<u>NA</u>	<u>1-CC-59</u>	<u>NA</u>	<u>Replaced</u>	<u>NO</u>
(12) <u>5/8" Hex Nuts</u>	<u>Hardware Specialty</u>	<u>0201993</u>	<u>NA</u>	<u>NA</u>	<u>1-CC-59</u>	<u>NA</u>	<u>Replaced</u>	<u>NO</u>

7. Description of Work Overhaul Check Valve

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

9. Remarks
 (Applicable Manufacturer's Data Reports to be attached)
Studs PO# 554 210835
Hex Nuts PO# 554 213298

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. L. Brown ISI Title July 29, 1989
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 7-31, 1989
 (Repairs) or Replacement(s)

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 7-31-89 R J Corder Commissions NB7009 Va543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power Date 7/25/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power 38000 78893
Same (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Service Water
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/4" Nut	Cardinal Industries	02030070	N/A	N/A	SU-MOU 104C	NA	replaced	No
1/4" Stud	Spies Systems LTD.	3788275	N/A	N/A	SU-MOU 104C	NA	replaced	No

7. Description of Work Replace Studs
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 45 psi Test Temp Ambient
9. Remarks 1/4" Nuts PO# CSY-248862
1/4" Studs PO# CSY-118082
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed D. G. Lane ISI 29 July, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 7-31, 19 89 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 7-31-89 R. J. Coden Commissions NB 2009 Va 543
 (Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 7/25/89
(Name)
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
(Name)
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA Power 38000 78894
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Service Water
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/4" Nuts</u>	<u>Hardware Specialties</u>	<u>02030070</u>	<u>NA</u>	<u>N/A</u>	<u>1-5W-MOU 104A</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>
<u>Studs</u>	<u>Hardware Specialties</u>	<u>02187510</u>	<u>N/A</u>	<u>N/A</u>	<u>1-5W-MOU 104A</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>

7. Description of Work Replace Studs
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 45 psi Test Temp. Ambient
9. Remarks 1/4" Nuts - PD# CSY-229937
Studs - PD# CSY-126177
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
(repair or replacement)

Signed D. L. Rogers ISI July 28, 19 89
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 7-31, 1989
(Repair(s) or Replacement(s))

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 7-31-89 A. J. Cohen Commissions NB 7009 Va 543
(Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8X11 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

1. Owner Virginia Power Date 7/1/89
(Name)
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit 1
(Name)
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power 3800064013 / EWA 88-20, P2-41
(Name) Repair Organization P.D No., Job No., etc.
Same (Address)
4. Identification of System Aux Feedwater
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
<u>2x2x1" Tee</u>	<u>HSB, Inc.</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1985</u>	<u>REPLACED</u>	<u>-</u>

7. Description of Work REPLACE 2x2x1" Tee
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOT psi Test Temp. NOT °F
9. Remarks PO # CSV 190868
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
(repair or replacement)

Signed W. L. Roemer Title ISI Date July 1, 19 89
(Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 7-31, 1989
(Repair(s) or Replacement(s))

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 7-31-89 R. J. Cochran Commissions NB7009 Va543
(Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., 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

1. Owner Virginia Power (Name) Date 4-5-89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 66 237
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System CHEMICAL AND VOLUME CONTROL
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2" Pipe</u>	<u>CF. Guyon</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>61-CH-92</u>	<u>NA</u>	<u>REPLACE</u>	<u>NO</u>
<u>VALVE</u>	<u>Friskhorn</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>"</u>	<u>NA</u>	<u>REPLACE</u>	<u>NO</u>

7. Description of Work REPLACE VALVE..
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other TMP-7
Pressure _____ psi Test Temp _____ °F
9. Remarks 2" Pipe - Po# 1107440-4, VALVE Po# 54-09614
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACE conforms to Section XI of the ASME Code.
Signed D. L. [Signature] (Owner or Owner's Designee) ISI Title April 17, 19 89 (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the REPLACE described in this Report on 4-17, 19 89 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 4-17-89 Robert L. Cochrane (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 4-5-89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 3800062921
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System CHEMICAL AND VOLUME CONTROL
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>threaded Bar</u>	<u>HARDWARE SPECI</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>DI-CH-P-IA</u>	<u>NA</u>	<u>REPLACED</u>	<u>No</u>
<u>1/8" Cap screw</u>	<u>"</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>"</u>	<u>NA</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACE DISCHARGE FLANGE GASKET, STUDS + NUTS.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NO P psi Test Temp. NOT °F
9. Remarks threaded Bar - PO# - 554-196559-1, 1/8" Cap screw - PO# CS4-190496-9
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACE conforms to Section XI of the ASME Code (repair or replacement)

Signed D. P. ... (Owner or Owner's Designer) Title ISI Date April 10, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the REPLACE described in this Report on 4-11, 19 89 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 4-11-89 Robert ... (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

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

1. Owner Virginia Power (Name) Date 4-24-89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 74586
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System CONTAINMENT SPRAY (Address)
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19_80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>NUT - 5/8"</u>	<u>Cardinal</u>	<u>41549690</u>	<u>NA</u>	<u>NA</u>	<u>01-CS-46</u>	<u>NA</u>	<u>Replaced</u>	<u>NO</u>
<u>Threaded Bar 5/8"</u>	<u>Cardinal</u>	<u>41549630</u>	<u>NA</u>	<u>NA</u>	<u>H</u>	<u>NA</u>	<u>Replaced</u>	<u>NO</u>
<u>Threaded Bar 5/8"</u>	<u>HEDWR Spec</u>	<u>31882510</u>	<u>NA</u>	<u>NA</u>	<u>H</u>	<u>NA</u>	<u>Replaced</u>	<u>NO</u>
<u>Hex Nut 1/2"</u>	<u>"</u>	<u>02019930</u>	<u>NA</u>	<u>NA</u>	<u>H</u>	<u>NA</u>	<u>Replaced</u>	<u>NO</u>

7. Description of Work Replace dia phram and O-Rings, Stud - replaced
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks NUT PO# CS11-220453, Threaded Bar PO# RSY-220453, Threaded BAR PO# CSy - 180436, Hex NUT PO# S5g - 180092
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code (repair or replacement)

Signed W. L. Doyen (Owner or Owner's Designee) ISI Title 4/24 (Date) 1989

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the REPLACEMENT described in this Report on 5-1, 1989 (Repair(s) or Replacement(s)) 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 5-1-89 Robert L. Jordan (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 4-25-89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800045837
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System INSTRUMENT AIR
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
45° ELBOW	McJunkin Corp.	3835276	NA	NA	01-IA-704	NA	Replace	NO
90° ELBOW	JH. FRISCHKORN JR.	3840132	NA	NA	01-IA-704	NA	Replace	NO
2" GATE VALVE	JH. FRISCHKORN JR.	3690255, 2060749	NA	NA	01-IA-704	NA	Replace	NO

7. Description of Work Replaced Valve Next Overage
 1) as Per W/D# 045032 2) Added 10/3/88, PT 16.4 Leakage
0.41 SCFH
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other PT-16.4 Aslept
 Pressure _____ psi Test Temp. _____ °F
9. Remarks 1) 45° ELL. PO# 193385 2) 90° ELL. PO.#: CSY116940-013) GATE VALVE PO# : CSY-19328-02
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. (repair or replacement)

Signed D. L. [Signature] ISI Title 4-25-89, 19____ (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of

Hartford, CT. have inspected the Replacement described in this Report on 5-3, 1989
 (Repairs) or Replacement(s)

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 5-3-89 Robert L. [Signature] Commissions NB 7009-Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 5/3/89
(Name)
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit 1 & 2
(Name)
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power 3800080966 / EWR 89-043
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System COMPONENT COOLING
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>COMPONENT COOLING HEAT EXCHANGER</u>	<u>YUBA</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>1-CU-EX</u>	<u>1968</u>	<u>REPAIRED</u>	<u>YES</u>

7. Description of Work WELD REPAIR OF LOCALIZED ERODED AREA ON OUTLET CHANNEL
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks WELD REPAIR ON ERODED AREA; NOT A THRU WALL REPAIR
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPAIR conforms to Section XI of the ASME Code (repair or replacement)

Signed: David L. Rosen ISI May 4, 19 89
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Repair described in this Report on 5-4, 1989 (Repairs) or Replacement(s)

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 5-4-89 Robert L. Coder Commissions NB7009 VA 543
(Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 5-18-89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 78061
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System SERVICE WATER
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3" VALVE	FERGUSON ENTERPRISES	N/A	N/A	N/A	ISW-5	N/A	REPLACED	NO

7. Description of Work PACK/REPLACE VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks VALVE PD# - CSV-222823
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed [Signature] ISI MAY 18, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&T CO. of Hartford, CT. have inspected the REPLACEMENT described in this Report on 5-19, 1989
 (Repairs) or Replacement(s)

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 5-19-89 Robert J. Cohen Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 4 on this date 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

1. Owner Virginia Power (Name) Date 5/19/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315 Surry, Va 23883 (Address)
3. Work Performed by Same (Name) DC86-10-1
 Repair Organization P.O No., Job No., etc.
4. Identification of System Service Water (Address)
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, W80 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
30" <u>Current Valve</u>	<u>Hewlett Pack</u>	/	/	/	<u>1-5W-27</u>	/	<u>Replaced</u>	/
					<u>1-5W-31</u>			
					<u>1-5W-35</u>			
					<u>1-5W-39</u>			

7. Description of Work _____
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOP psl Test Temp. NOT °F
9. 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 REPLACEMENT conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed David H. Rogers (Owner or Owner's Designee) Title ISE Eng (Date) 5/19, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSB I+ICO of Hartford, Ct. have inspected the Replacement described in this Report on 5-22, 1989
 (Repairs) or Replacement(s)

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 5-22-89 Robert L. Cohen (Inspector) Commissions NB 7009 Va 543
 (State or Province, National Board)

Notes: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 5-30-89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800078635
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System SERVICE WATER
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>5/8" - 11 Thread Bar</u>	<u>HRDWR. Special</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>01-SW-P-16</u>	<u>N/A</u>	<u>Replace</u>	<u>N/A</u>
<u>5/8" Nut Hex.</u>	<u>HRDWR. Special</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>01-SW-P-16</u>	<u>N/A</u>	<u>Replace</u>	<u>N/A</u>
<u>3" Pipe</u>	<u>J.M. Frickhorn</u>	<u>38855650</u>	<u>N/A</u>	<u>N/A</u>	<u>01-SW-P-16</u>	<u>N/A</u>	<u>Replace</u>	<u>N/A</u>

7. Description of Work REPLACE PIPING AS REQUIRED
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks PO# for Thread-Bar and Hex Nut: S5Y-214539,
PO# for 3" Pipe: C5Y-178963-1
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed David L. Rezac ISI 5/31, 19 89
 (Owner of Owner's Design) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 5-31, 19 89
 (Repairs) or (Replacements)

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 5-31-89 Robert L. Corley Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 05-19-89
P.O. Box 26666 (Name) Sheet 1 of 1
(Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name) A D C B
(Address)
3. Work Performed by VA. Power 38000#69718; 079139; 079140; 078836
Same (Name) Repair Organization P.O. No., Job No., etc.
(Address)
4. Identification of System SERVICE WATER RADIATION MONITOR PUMPS
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19.80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes No)
PUMP	CRANE	97067-1	NA	NA	1-SW-P-SA	NA	Replaced	NO
PUMP	CRANE	97067-2			1-SW-P-SB		Replaced	NO
PUMP	CRANE	97067-3			1-SW-P-SC		Replaced	NO
PUMP	CRANE	97067-4			1-SW-P-SD		Replaced	NO

7. Description of Work INSTALLED ORIGINAL DESIGN PUMP & RETURN FOUNDATION TO ORIGINAL
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 45 psi Test Temp. NOT °F
9. Remarks PUMPS UNDER PD# CNT 224391-1 (SRK NO 41563320)
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed David L. Rogers ISI Title May 30, 19 89
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 5-30, 1989
 (Repair(s) or Replacement(s))

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 5-30-89 Robert L. Codar Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date January 11, 1989
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315, Surry Va. 23883 (Address)
3. Work Performed by Virginia Power (Name) Work Order No. 3860068397
P.O. Box 315, Surry Va. 23883 (Address) Repair Organization P.O. No., Job No., etc. CSY-175908
P.O. Nos. CSY-109081-1 CSY-180092-3
CSY-177607 CSY-178963-1 SY-15353-11
4. Identification of System Recirculation Spray
5. (a) Applicable Construction Code B31.1 1967 Edition, NA Addenda, Code Cases NA
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
HEX NUTS 6x 1/2 INCH	SALES SYSTEM	N/A	N/A	N/A	ASTM-A-194		Replacement	NO
TUBING 6x 1/2 INCH	Meredith Corp.				ASTM-A-500		Replacement	NO
FLANGES 6x 2.5	Meredith Corp.				ASTM-A-36		Replacement	NO
PIPE 3" C.S.	John H. Frisch Korn				A106B		Replacement	NO
TUBING 1/2 INCH	Energy Steel Supply				ASTM-A-500		Replacement	NO

7. Description of Work Replace Support for 2 1/2 INCH Pipe in Recirculation Spray sump.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other G.C. Visual
Pressure _____ psi Test Temp. _____ °F
9. 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 _____ conforms to Section XI of the ASME Code. (repair or replacement)

Signed Alan McNeill (Owner or Owner's Designee) Title _____ Date 1/16, 1989

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSB I+I Co of Hartford, Ct. have inspected the Replacement (Repair(s) or Replacement(s)) described in this Report on 1-16, 1989 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 1-16-89 Robert J. Codan (Inspector) Commissions Va 543 NB 7009 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date January 11, 1989
P.O. Box 24666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315, Surry Va. 23883 (Address)
3. Work Performed by Virginia Power (Name) Work Order No. 3800673795
P.O. Box 315, Surry Va. 23883 (Address) Repair Organization P.O. No., Job No., etc. P.O. No. SY-120335
4. Identification of System Reactor Coolant (Steam Generator)
5. (a) Applicable Construction Code B31.1 1967 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, W40 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Bolt 1/4 INCH	JOS. DYSON & SONS INC	—	—	—	ASTM A193	—	Replacement	No

7. Description of Work Replace bolt on Steam Generator (01-RC-E-1B) secondary manway cover
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Inspection N/A
 Pressure _____ psi Test Temp. _____ °F
9. Remarks NOE & Testing per manufacturer P.O. SY-120335
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this _____ conforms to Section XI of the ASME Code.
 Signed Alan McNeil (Owner or Owner's Designee) Title ISI Date 1/16, 1989 (repair or replacement)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSB I+I Co of Hartford, Ct. have inspected the Replacement described in this Report on 1-16, 1989 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 1-16-89 Inspector Robert J. Cochran Commissions Va 543 NB7009
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power Date November 29, 1988
P.O. Box 26666 (Name) Sheet 1 of 1
 2. Plant Surry Power Station Unit 1
P.O. Box 315, Surry Va. 23883 (Name)
 3. Work Performed by Virginia Power 380006315B (work order No.)
- Same (Name) Repair Organization P.O. No., Job No., etc.
54-109929 (P.O. No.) (Address)
 4. Identification of System Reactor Coolant
 5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WS10 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Mechanical Snubber	Anchor Darling	-	-	-	01-RE-MS3-218 (M-2064)	-	REPLACEMENT	NO

7. Description of Work Replaced Snubber M-1095 with Snubber M-2064 (New)
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks P.O. 54-109929
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 Signed Alexander McNeill ESR 1/5, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSBI+I CO of Hartford, Ct have inspected the replacement described in this Report on 1-10, 19 89
 (Repairs or Replacement(s))
 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 1-10-89 Robert J. Coder Commissions Va 543 NB7009
 (Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 3/30/89
(Name)
P.O. Box 26666
(Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
(Name)
P.O. Box 315 Surry, VA 23883
(Address)
3. Work Performed by VA. Power 38000 71829
(Name) Repair Organization P.O. No., Job No., etc.
-Same
(Address)
4. Identification of System REPAIR COOLANT - HAND CONTROL VALVE.
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1-1/2" NUT HEX</u>	<u>CARDINAL</u>		<u>NA</u>	<u>NA</u>	<u>01-RC-HCV 1557C</u>		<u>REPAIR/REPLACED</u>	<u>NO</u>
<u>CAP SCREW</u>	<u>HRDWR. SP.</u>		<u>NB</u>	<u>NA</u>	<u>11</u>		<u>11</u>	<u>NO</u>

7. Description of Work NEW STUDS, REPAIR BODY/BONNET LEAK ('C'-LOOP Drain Valve)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks NUT PO. 554-192036, CAP SCREW PO # 554-196559
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPAIR/REPLACE STUDS conforms to Section XI of the ASME Code.
(repair or replacement)

Signed Daniel L. Boyer ISI Title 3/30 19 89
(Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA., employed by HSB I&I CO. of Hartford, CT.

have inspected the REPAIR/REPLACE STUDS described in this Report on 3/30, 19 89
(Repair(s) or Replacement(s)

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 3-30-89 Robert J. Codes Commissions NB 7009 Va 543
(Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., 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

1. Owner Virginia Power Date 7/12/89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 25578/EWR 88-400 P3/11
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Bolting</u>	<u>Candimal Industrial</u>	<u>37882660</u>	<u>NA</u>	<u>NA</u>	<u>RC-SU-1551C</u>	<u>NA</u>	<u>replaced</u>	<u>NO</u>

7. Description of Work New Discharge Flange Bolting
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2335 psi Test Temp. 542 °F
9. Remarks Bolting PO# 554217452
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed David L. Moore ISI Title July 19, 19 89
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 7-19, 19 89
 (Repairs) or (Replacements)

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 7-19-89 Robert L. Coder Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power (Name) Date 6/17/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit 1
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) DC 89-08-3
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System COMPONENT COOLING
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1 1/2" REDUCED (150)</u>	<u>John W. H. Frischorn</u>	<u>NA</u>	<u>N/A</u>	<u>N/A</u>	<u>—</u>	<u>NA</u>	<u>REPLACEMENT</u>	<u>N/A</u>
<u>1 1/2" Tee (350)</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>—</u>	<u>"</u>	<u>"</u>	<u>"</u>
<u>1 1/2" REDUCED (350)</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>—</u>	<u>"</u>	<u>"</u>	<u>"</u>
<u>1 1/2" Pipe</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>—</u>	<u>"</u>	<u>"</u>	<u>"</u>
<u>2" HCB VAL (250)</u>	<u>INVENTORY MUGENAU (250)</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>I-CC-1106</u> <u>I-CL-1189</u>	<u>"</u>	<u>"</u>	<u>"</u>
<u>6" Tee (150)</u>	<u>John W. H. Frischorn</u>	<u>"</u>	<u>"</u>	<u>"</u>	<u>—</u>	<u>"</u>	<u>"</u>	<u>"</u>

7. Description of Work DESIGN CHANGE TO EXISTING SYSTEM ("B" LOOP RLY.)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 3106 psi Test Temp Ambient °F
9. Remarks ID# CS4251952-4, CS4251952-7, CS4251952-8, CS4251952-2, CNT 251425-1, CS4251952-6
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code
 (repair or replacement)

Signed Daniel L. Rogers (Owner or Owner's Designee) Title ISI Date JUNE 17, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacements described in this Report on 6-23, 19 89
 (Repair(s) or Replacement(s))

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 loss of any kind arising from or connected with this inspection.

Date 6-23-89 Robert L. Corder (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 6/17/89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit 1
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power DC89-08-3
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System COMPONENT COOLING
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/2" PIPE</u>	<u>John H Frischorn</u>	<u>NA</u>	<u>N/A</u>	<u>N/A</u>	<u>-</u>	<u>NA</u>	<u>REPLACED</u>	<u>NO</u>
<u>2" CHEM VAL (ZEA)</u>	<u>Inventory Management</u>				<u>1-CC-1105</u> <u>1-CC-1190</u>			
<u>1/2" TEE (ZEA)</u>	<u>John H Frischorn</u>				<u>-</u>			
<u>1/2" ELB (ZEA)</u>	<u>"</u>				<u>-</u>			
<u>1/2" REDUCER (ZEA)</u>	<u>"</u>				<u>-</u>			

7. Description of Work DESIGN CHANGE TO EXISTING SYSTEM ("C" LOOP)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 3106 psi Test Temp. AMBIENT °F
9. Remarks PO # CS4251952-2, CAT-251425-1, CS4251952-7, CS4251952-6, CS4251952-4
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. P. Boyce ISI June 17, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacements described in this Report on 6-23, 19 89
 (Repair(s) or Replacement(s))

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 6-23-89 Robert J. Cochran Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 6/10/89
(Name)
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit Unit 4
(Name)
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. POWER 38000 81917, CWP 87-045
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Surry Inspection
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE SUPPORT</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>HANOVER 79</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>N/A</u>

7. Description of Work MODIFIED HANGERS 33 ON DOME M165-122A2; MOUNTED 8" AND ADDED CEMENT
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. 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 Repair conforms to Section XI of the ASME Code.
(repair or replacement)

Signed D. P. [Signature] Title ISI Date 6/10/89, 19 89
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Repair described in this Report on 6-12, 1989
(Repair(s) or Replacement(s))

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 6-12-89 Robert L. Corda Commissions NB 2009 Va 543
(Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 06-13-89
P.O. Box 26666 (Name) Sheet 1 of 1
 (Address)
 2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 81993 EWR 89-364
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
 4. Identification of System COMPONENT COOLING SYSTEM
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT	N/A	N/A	N/A	N/A	H-14	N/A	REPLACEMENT	NO
SUPPORT	/	/	/	/	H-13	/	REPLACEMENT	/
SUPPORT	/	/	/	/	H-113	/	REPLACEMENT	/
SUPPORT	/	/	/	/	H-112	/	REPLACEMENT	/
SUPPORT	/	/	/	/	H-109	/	REPLACEMENT	/

7. Description of Work REMOVED HANGERS AND INSTALLED BASEPATES PER EWR 89-364
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks P.O. # ANE CSY 25067; CNS 125478; CSY 135805; CSY 235676; CSY 180069;
CSY 217186; CSY 223292; CSY 239088
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
 Signed Ally McNeill (Owner or Owner's Designee) Title ISI Date 6-13, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 6-13, 19 89
 [Repair(s) or Replacement(s)]
 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 6-13-89 Robert S. Codan (Inspector) Commissions NB 7009 VA 543 (State or Province, National Board)

one: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date JUNE 06, 1989
P.O. Box 26666 (Name) Sheet 1 of 1
 (Address)
 2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 3800081731
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
 4. Identification of System COMPONENT COOLING SYSTEM (LINES FROM RHR)
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes or No
SUPPORT	M/A	M/A	M/A	M/A	1A	M/A	Replacement	NO
					2A			
					3A			
					4A			
					5A, 6A			
					7A, 8A			

7. Description of Work INSTALLED 8 PIPE SUPPORTS ON 3" CC PIPING AND CUT/CAPPED 4 1" CC pipes
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 200 psi Test Temp 100 °F
 9. Remarks PO # CS1235676, CS1-17598, 554 212286-1
SUPPORTS 1A, 2A, 3A, 4A ON 3" CC-248-151
SUPPORTS 5A, 6A, 7A, 8A ON 3" CC-249-151

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
 Signed Alex McNeill Title ISI Date JUNE 06, 19 89
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&T CO. of Hartford, CT. have inspected the Replacement described in this Report on JUNE 06, 1989 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 6-6-89 Robert J. Corder Commissions NB-7009-Va-543
 (Inspector) (State or Province, National Board)

Notes: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 3/15/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315, Surry, Va. 23883 (Address)
3. Work Performed by VA Power (Name) 3800048417
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Component COOLING (Address)
5. (a) Applicable Construction Code B31-1 1967 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, 1980 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>18" Butterfly Valve</u>	<u>Henry Pratt</u>	<u>2F11</u>	<u>N/A</u>	<u>N/A</u>	<u>1-CC-104</u>	<u>N/A</u>	<u>Replacement</u> <u>3/15/89</u>	<u>NO</u>

7. Description of Work REPLACED VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp _____ °F
9. 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 REPLACEMENT conforms to Section XI of the ASME Code.
 Signed A. L. Logan (Owner or Owner's Designee) ISE Eng. Title 3/31 Date, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSBT+ICO of Hartford, Ct. have inspected the Replacement described in this Report on 3-31, 1989
 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 3-31-89 Robert L. Code (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 3/31/89
P.O. Box 26606 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315 Surry, Va 23883 (Address)
3. Work Performed by Va Power (Name) 38000 48417
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Component Cooling
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>18" Curvey Valve</u>	<u>Henry Pott</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>1-CC-220</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>N/A</u>

7. Description of Work REPLACED VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp _____ °F
9. 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 REPLACEMENT conforms to Section XI of the ASME Code.
 Signed D. L. Rogers (Owner or Owner's Designee) ISE ENG (Title) 3/31 (Date), 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSB I+I Co. of Hartford, Ct. have inspected the Replacement described in this Report on 3-31, 1989 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 3-31-89 Robert L. Cohen (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 4-3-89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 09136
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System COMPONENT COOLING (Address)
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE	Henry Pratt	2231891	NA	NA	01-CC-587	NA	REPLACED	NO

7. Description of Work _____
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOT psi Test Temp. NOT °F
9. Remarks VALVE PO # 63635
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replace conforms to Section XI of the ASME Code. (repair or replacement)

Signed [Signature] (Owner or Owner's Designee) ISI Title April 4 (Date) 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replace described in this Report on 4-5-, 1989 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 4-5-89 [Signature] (Inspector) Commissions NB 7009 Va 543 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Company Date 10/30/88
P.O. Box 26666 Richmond VA 23261 Sheet 1 of 1
(Name)
(Address)
2. Plant Surry Power Station Unit 1
P.O. Box 315 Surry VA 23883
(Name)
(Address)
3. Work Performed by VA Power WO 38000 67160
same Repair Organization P.O. No., Job No., etc.
(Name)
(Address)
4. Identification of System Charging, CVCS Class 2
5. (a) Applicable Construction Code 31.1 19 67 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, winter Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
relief valve	Crosby	0201970	N/A	N/A	1-CH-RV-1382B	N/A	replacement	No

7. Description of Work replace valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks P.O. SY 09865
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
(repair or replacement)

Signed [Signature] Title SSI Date 10-31, 19 88
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSB I & I Co of Hartford, Ct. have inspected the Replacement described in this Report on 10-31, 19 88
(Repair(s) or Replacement(s))

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 10-31-88 Robert L. Codan Commissions NB7009, Va 543
(Inspector) (State or Province, National Board)

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

1. Owner VIRGINIA POWER Date 10-28-88
P.O. Box 26666, RICHMOND, VA (Name) Sheet 1 of 1
 (Address)
2. Plant SURRY POWER STATION Unit 1
P.O. Box 315, SURRY, VA 23883 (Name)
 (Address)
3. Work Performed by DRESSER INDUSTRIES P.O. SSY-114886
ALEXANDRIA, LA (Name) Repair Organization P.O. No./Job No., etc.
 (Address)
4. Identification of System MAIN STEAM CLASS II
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DISC	DRESSER	AAR 396	-	-	MS-SV-101B	-	REPLACEMENT	-
DISC	DRESSER	AAR38	-	-	MS-SV-101A	-	REPLACEMENT	-
DISC	DRESSER	AAR37	-	-	MS-SV-101C	-	REPLACEMENT	-

7. Description of Work REPLACED DISC ON MAIN STEAM CODE SAFETIES
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. 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 Replacements conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed _____ Title _____ Date 10-31, 19 88
 (Owner or Owner's Designee)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Va, employed by HSB I & I CO of Hartford, Ct. have inspected the Replacements described in this Report on 10-31, 1988
 (Repairs or Replacement(s))

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 10-31-88 Robert L. Codor Commissions NB 7009, Va 543
 (Inspector) (State of Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner VIRGINIA POWER Date 10-28-88
~~P.O. Box 26666~~ RICHMOND, VA Sheet 1 of 2
 (Name) (Address)
2. Plant SURRY POWER STATION Unit 1
P.O. BOX 315; SURRY, VA 23883
 (Name) (Address)
3. Work Performed by DRESSER INDUSTRIES P.O. SU - 06755
ALEXANDRIA, LA Repair Organization P.O. No., Job No., etc.
 (Name) (Address)
4. Identification of System MAIN STEAM CLASS II
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, WB0, Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DISC	DRESSER	AAPO3	-	-	MS-SV-105C	-	REPLACEMENT	-
DISC	DRESSER	AAN87	-	-	MS-SV-103C	-	REPLACEMENT	-
DISC	DRESSER	AMAN86	-	-	MS-SV-102C	-	REPLACEMENT	-
DISC	DRESSER	AAN85	-	-	MS-SV-104C	-	REPLACEMENT	-
DISC	DRESSER	AAN89	-	-	MS-SV-105B	-	REPLACEMENT	-
DISC	DRESSER	AAPO2	-	-	MS-SV-102A	-	REPLACEMENT	-

7. Description of Work REPLACED DISCS ON MAIN STEAM CODE SAFETIES
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. 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 Replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed [Signature] Title PSE Date 10-31, 1988
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSBFI & I CO of Hartford, Ct. have inspected the Replacements described in this Report on 10-31, 1988
 (Repair(s) or Replacement(s))

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 10-31-88 Robert L. Corder Commissions NB7009, Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner VIRGINIA POWER Date 10-28-88
P.O. BOX 26666, RICHMOND, VA (Name) (Address) Sheet 2 of 2
2. Plant SURRY POWER STATION Unit 1
P.O. BOX 315, SURRY, VA 23883 (Name) (Address)
3. Work Performed by DRESSER INDUSTRIES P.O. SY-06755
ALEXANDRIA, LA (Name) (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System MAIN STEAM CLASS II
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1982, WB0 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DISC	DRESSER	AAPO1	-	-	MS-SV-103A	-	REPLACEMENT	-
DISC	DRESSER	AAN91	-	-	MS-SV-103B	-	REPLACEMENT	-
DISC	DRESSER	AAN90	-	-	MS-SV-102B	-	REPLACEMENT	-
DISC	DRESSER	AAN92	-	-	MS-SV-104B	-	REPLACEMENT	-
DISC	DRESSER	AAN88	-	-	MS-SV-105A	-	REPLACEMENT	-
DISC	DRESSER	AAN26	-	-	MS-SV-104A	-	REPLACEMENT	-

7. Description of Work REPLACED DISCS ON MAIN STEAM CODE SAFETIES
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. 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 Agreement conforms to Section XI of the ASME Code. (repair or replacement)

Signed _____ Title ISE Date 10-31, 19 88
 (Owner or Owner's Designee)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va employed by HSB F & I Co of Hartford, Ct. have inspected the Replacements described in this Report on 10-31, 1988
 (Repair(s) or Replacement(s))

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 10-31-88 Robert L. Codan Commissions NB 7009, Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date Oct 11 1988
P.O. Box 26666 (Address) Sheet 1 of 1

2. Plant SURRY POWER STATION (Name) Unit 01
P.O. Box 315 SURRY VA. 23883 (Address)

3. Work Performed by VA POWER (Name) 3800071546
SAME (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System CHARGING

5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>WELD</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1-CH 92</u>	<u>-</u>	<u>REPAIRED</u>	<u>-</u>

7. Description of Work _____

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

9. 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 REPAIR conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed _____ Title RSV Date 10-31, 19 88
 (Owner or Owner's Designee)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA., employed by HSB I & I Co. of HARTFORD, CT. have inspected the REPAIR described in this Report on 11-2, 1988
 [Repair(s) or Replacement(s)]

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 11-2-88 Robert L. Cohen Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Electric and Power Company Date November 2, 1988
P.O. Box 26666 (Name) Sheet 1 of 1
 (Address)
 2. Plant Surry Power Station Unit 1
P.O. Box 315, Surry Va. 23883 (Name)
 (Address)
 3. Work Performed by Virginia Electric and Power Co. 057951
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System _____
 5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, W80 Addenda, Code Cases N/A
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Variable Spring Hanger	Power Industry Group	Over			I-CH-PH-UA		Repaired	NO

7. Description of Work Repair Hanger - Install new hanger rod per P.O.# CSY-118938
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Performed Visual Exam
 Pressure _____ psi Test Temp. _____ °F VT-3
 9. Remarks P.O. No. CSY-118938
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Repair conforms to Section XI of the ASME Code.
 Signed _____ (Owner or Owner's Designee) Title _____ Date 11-3, 19 88

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSB I+I CO of Hartford, Ct. have inspected the Repair described in this Report on 11-3, 1988 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 11-3-88 Robert L. Codan (Inspector) Commissions NB 7009 - Va 543 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 1-20-89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315 Surry VA. 23883 (Address)
3. Work Performed by VA. Power (Name) 3800074384 (EWR-88-444)
Same (Address) Repair Organization P.O No., Job No., etc.
4. Identification of System Main Feed (class 2) (Address)
5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Pipe</u>	<u>Radnor Alloys</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>14"-WSP-13-601</u>	<u>-</u>	<u>Replacement</u>	<u>-</u>
<u>elbow (4)</u>	<u>"</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>" for 1-RC-E-1B</u>	<u>-</u>	<u>Replacement</u>	<u>-</u>
<u>Reducer (1)</u>	<u>"</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>"</u>	<u>-</u>	<u>Replacement</u>	<u>-</u>

7. Description of Work Replaced loop seal piping for 1-RC-E-1B Feed Water Loop
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure 1360 psi Test Temp. 166 °F
9. Remarks PO CSY-211902 (Pipe), CSY-212745 (Elbow), CSY-169598 (Reducer)
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
(repair or replacement)

Signed [Signature] (Owner or Owner's Designee) Title ISI (Date) 1-20, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB ISI CO. of Hartford, CT. have inspected the Replacement described in this Report on 1-20, 1989
(Repair(s) or Replacement(s))

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 1-20-89 Robert L. Cohen (Inspector) Commissions Va 543 NB 7009
(State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner VIRGINIA POWER (Name) Date 11-22-88
P.O. BOX 26666, RICHMOND, VA 23261 (Address) Sheet 1 of 1
2. Plant SURRY POWER STATION (Name) Unit 1
P.O. BOX 315 SURRY VA 23883 (Address)
3. Work Performed by VA. POWER (Name) 3800064896
SAME (Address) Repair Organization P.O No., Job No., etc.
4. Identification of System FEEDWATER (FW)
5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, WSO Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE 1-FW-MIV-151F	MAGNAFLUX	-	-	-	1-FW-151F	-	REPAIRED	NO

7. Description of Work Cut VLV. out of Sys.; Repaired Seat; WELDED VLV. BACK INTO SYSTEM
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 1356 psi Test Temp. AMB °F
9. 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 Repair conforms to Section XI of the ASME Code.
 (Repair or replacement)

Signed _____ (Owner or Owner's Designee) Lead System ENR Title 11-23, 19 88 (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSBI+I CO of Hartford, Ct. have inspected the Repair described in this Report on 11-23, 19 88
 (Repair(s) or Replacement(s))

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 11-23-88 Robert L. Cordier (Inspector) Commissions NB7009 Va543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 12-16-88
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315 Surry VA. 23883 (Address)
3. Work Performed by VA. Power (Name) 39000 74439 #w
same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Reactor Coolant (class 1)
5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Welds</u>	<u>Westinghouse</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>VPA-1-4213 #6</u>	<u>-</u>	<u>Repair's Replacement</u>	<u>NO</u>
					<u>VPA-1-4213 #7</u>	<u>-</u>	<u>Repair</u>	
					<u>VPA-1-4672 - #19</u>	<u>-</u>	<u>repair</u>	
					<u>VPA-1-4672 - 20</u>	<u>-</u>	<u>repair</u>	
					<u>VPA-1-4672 - 21</u>	<u>-</u>	<u>repair</u>	

7. Description of Work descript: Grind away indications as per EWR-88-412
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks EWR-88-412
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement Repair Weld conforms to Section XI of the ASME Code.
 Signed _____ (Owner or Owner's Designee) ISI/Lead System Eng (Title) Dec 16, 19 88 (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB ISI CO. of Hartford, CT. have inspected the Replacement described in this Report on 12-19, 1988 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 12-19-88 Robert I. Coder (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., 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

1. Owner Virginia Power Date 12-12-88
(Name)
P.O. Box 2666 (Address)
Sheet 1 of 1

2. Plant Surry Power Station Unit 1
(Name)
P.O. Box 315 Surry VA 23883 (Address)

3. Work Performed by VA Power Repair Organization P.O No., Job No., etc. 3800073443
(Name)
Same (Address)

4. Identification of System Reactor Coolant Pump (ICF)

5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Submer</u>	<u>Pant Monroe</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1-R-HS-140</u>	<u>-</u>	<u>Replacement</u>	<u>NA</u>
	<u>40yr Ser.</u>							

7. Description of Work Replaced submer with shop spare

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

9. Remarks Submer was tested prior to installation
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
(repair or replacement)

Signed [Signature] Title ISE / Lead System Engr. Date 12/12, 19 88
(Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB ISEI CO. of Hartford, CT. have inspected the Replacement described in this Report on 12-19, 1988
(repair(s), or Replacement(s))

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 12-19-88 Inspector Robert J. Cochran Commissions NB 7009 Va 543
(Inspector) (State or Province, National Board)

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

1. Owner Virginia Power Date 12-13-88
(Name)
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit 1
(Name)
P.O. Box 315 Surry VA 23883 (Address)
3. Work Performed by VA Power 3800053757
(Name) Repair Organization P.O No., Job No., etc.
Same (Address)
4. Identification of System Component Coolant (Class 3)
5. (a) Applicable Construction Code B31.1 19 67 Edition, NA Addenda, Code Cases NA
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>VALVE</u>	<u>Henry Pratt</u>	<u>seller ID N-86596-1</u>	<u>-</u>	<u>-</u>	<u>1-CC-185</u>	<u>-</u>	<u>Replacement</u>	<u>NA</u>

7. Description of Work Replaced Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure NDP psi, Test Temp. NDT °F
9. Remarks P.O. CSY 218103 & EWR-88-465
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
(repair or replacement)

Signed [Signature] Title ISE/Systems Eng. (Date) 12/13, 1988
(Owner or Owner's Designee)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB ISEI Co. of Hartford, CT, have inspected the Replacement described in this Report on 12-20, 1988 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 12-20-88 Robert L. Codan Commissions NB 7009 Va 543
(Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/1/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 75722
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Blow down
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Conval Inc.	N/A	N/A	N/A	1-BD-24	N/A	Replaced	NO

7. Description of Work Replace Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2315 psi Test Temp. 547 °F
9. Remarks (Applicable Manufacturer's Data Reports to be attached) Value Po# ET-41589

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. P. [Signature] ISI August 11, 19 89
 (Owner or Owner's Designer) This (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 8-11, 1989
 (Repairs) or Replacement(s)

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 8-11-89 Robert J. Codan Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power Date 8/8/89
(Name)
P.O. Box 26666 (Address) Sheet 1 of 1
 2. Plant Surry Power Station Unit ONE
(Name)
P.O. Box 315 Surry, VA 23883 (Address)
 3. Work Performed by VA. Power 38000 78388
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
 4. Identification of System Reactor Coolant
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(16) Nuts	Hardware Specialties	02019990	N/A	N/A	1-RC- HWG - NA	N/A	Replaced	No
(8) Studs	Hardware Specialties	3788261	↓	↓	↓	↓	↓	↓

7. Description of Work Replace Flange Gaskets
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2330 psi Test Temp. 547 °F
 9. Remarks Nuts Po # CSY-219481
Studs Po # SSY-224228
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
(repair or replacement)
 Signed [Signature] (Owner or Owner's Designee) ISI Title Asst. Mgr. Date 8-11-89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-11, 1989
(Repair(s) or Replacement(s))
 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 8-11-89 [Signature] (Inspector) Commissions NB7009 Va 543
(State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/14/89
(Name)
P.O. Box 26666
(Address)
2. Plant Surry Power Station Unit ONE
(Name)
P.O. Box 315 Surry, VA 23883
(Address)
3. Work Performed by VA. Power 38000 77311
(Name) Repair Organization P.O. No., Job No., etc.
Same
(Address)
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>3/4" Nut</u>	<u>Hardware Specialty</u>	<u>0201997</u>	<u>N/A</u>	<u>N/A</u>	<u>1-5I-225</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>
<u>3/4" Studs</u>	<u>Hardware Specialty</u>	<u>37882560</u>	<u>N/A</u>	<u>N/A</u>	<u>1-5I-225</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>

7. Description of Work _____
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2375 psi Test Temp. 572 °F
9. Remarks 3/4" Nut PO# CSY-139712
3/4" Studs PO# SSY-180092
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
(repair or replacement)

Signed D. L. Lopez ISI Aug 11, 19 89
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 8-11, 19 89
(Repair(s) or Replacement(s)

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 8-11-89 Robert L. Coder Commissions NB7009 Va 543
(Inspector) (State or Province, National Board)

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

1. Owner Virginia Power (Name) Date 8/4/89
P.O. Box 26666 (Address) Sheet 1 of 1

2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)

3. Work Performed by VA Power (Name) 38000 78390
Same (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>NUTS</u>	<u>Hardware Specialties</u>	<u>02019990</u>	<u>N/A</u>	<u>N/A</u>	<u>PK-FE 7480</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>STUDS</u>	<u>Hardware Specialties</u>	<u>33882610</u>	<u>N/A</u>	<u>N/A</u>	<u>1-RC-FE 1480</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>

7. Description of Work _____

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2335 psi Test Temp. 592 °F

9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached) NUTS P#CSY-219481
STUDS P#SSY-224228

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (Repair or replacement)

Signed D. L. Kozey (Owner or Owner's Designee) ISI Title Aug 11 (Date), 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-11, 1989
 (Repairs) or Replacement(s)

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 8-11-89 P. J. Colson (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/8/89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA Power 38000 80552
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
 4. Identification of System Safety Injection
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(12) STUDS	Hardware Specialty	06070250	N/A	N/A	1-SS-242	N/A	Replacement	No
(14) NUTS								

7. Description of Work Open Inspect Valve
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2775 psi Test Temp. 587 °F
 9. Remarks STUDS P# SSY-210439
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replaced conforms to Section XI of the ASME Code.
 (repair or replacement)
 Signed D. L. Jones ISI Aug 11, 19 89
 (Owner or Owner's Designer) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replaced described in this Report on 8-11, 19 89
 (Repairs) or (Replacements)
 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 8-11-89 Robert J. Codan Commissions NB-7009 Va-543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

- 1. Owner Virginia Power, Date 8/7/89
2. Plant Surry Power Station, Unit ONE
3. Work Performed by VA Power, Repair Organization P.O. No. 38000 76444
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31-1, Edition NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Table with 9 columns: Name of Component, Name of Mfr., Mfr. Ser. No., Nat'l. Bd. No., CRN No., Other Identification, Year Built, Repaired, Replaced, or Replacement, ASME Code Stamped (Yes or No). Rows include (4) STUDS and (8) NUTS.

- 7. Description of Work INSTALLED OCEAN PUMP
8. Tests Conducted: Hydrostatic [X] Pneumatic [] Nominal Operating Pressure [] Other []
9. Remarks: SMDS PO# 554-18009 2, Nuts PO# 554/194791

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed W. L. Rogers, ISI Title, Aug 11, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 8-11, 1989 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. Date 8-11-89, Robert J. Dodson, Commissions NB 2009 Va 543

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/7/89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 77547
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System Recirculation Spray
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Studs</u>	<u>Cardinal Industrial Prod.</u>	<u>37882616</u>	<u>N/A</u>	<u>N/A</u>	<u>ASME 155A</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>

7. Description of Work Replace Studs
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks Studs Po #CSY-206074
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. L. Brown ISI Aug 8, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA., employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-11, 1989
 (Repairs) or Replacement(s)

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 8-11-89 Robert L. Coblen Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power (Name) Date 8/11/89
P.O. Box 26666 (Address) Sheet 1 of 1

2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)

3. Work Performed by VA. Power (Name) 38000 79530
Same (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System Safety Injection

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/4" Nuts</u>	<u>Condine Industrial</u>	<u>0203008</u>	<u>N/A</u>	<u>N/A</u>	<u>1-3E-238</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>
<u>1/4" Studs</u>	<u>Hardware Specialty</u>	<u>06070250</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>

7. Description of Work Repair Body/Bonnet leak

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2330 psi Test Temp. 547 °F

9. Remarks Studs lot # 55Y-210439
Nuts lot # CSY-227478
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed D. L. Rogers (Owner or Owner's Designee) ISI Title Aug. 11 (Date), 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-11, 1989
 (Repairs or Replacements)
 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 8-11-89 Richard J. Cedar (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 7/31/89
P.O. Box 26666 (Address)
 Sheet 1 of 1

2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)

3. Work Performed by VA. Power 38000 79665
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)

4. Identification of System Safety Injection

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>8" Studs</u>	<u>Hardware Specialties</u>	<u>3288251</u>	<u>N/A</u>	<u>N/A</u>	<u>1-SS-PP</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>8" Hex Nuts</u>	<u>Hardware Specialties</u>	<u>0201993</u>	<u>N/A</u>	<u>N/A</u>	<u>1-SI-PP</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>

7. Description of Work Replace Gaskets and Bolting on Flange

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 600 psi Test Temp. NOT °F

9. Remarks Stud PO # CSY-219481
Hex Nut PO # SSY-213298
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed [Signature] Title ISI Date Aug 12, 19 89
 (Owner or Owner's Designee)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-15, 1989
 (Repairs) or Replacement(s)

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 8-15-89 [Signature] Commissions NB 7809 Va 543
 (Inspector) (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/7/89
(Name)
P.O. Box 26666 (Address) Sheet 1 of 1
 2. Plant Surry Power Station Unit ONE
(Name)
P.O. Box 315 Surry, VA 23883 (Address)
 3. Work Performed by VA. POWER 38000 79643
(Name) Repair Organization P.O. No., Job No., etc.
-Same (Address)
 4. Identification of System Safety Injection
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(24) 7/8" Nut	Hardware Specialty	0612692	N/A	N/A	1-52-P-1B	N/A	Replaced	NO
(12) 7/8" Studs	Hardware Specialty	3788261	N/A	N/A	1-52-P-1B	N/A	Replaced	NO

7. Description of Work Replace Discharge Flange Gasket
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 180 psi Test Temp. AMBIENT °F
 9. Remarks Nuts PO # 554-224228
Studs PO # 554-244681
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed W. L. Rogers (Owner or Owner's Designee) ISI Title Aug 12 19 89 (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&T CO. of Hartford, CT. have inspected the replacement described in this Report on 8-15, 19 89 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 8-15-89 Robert J. Cohen (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., (2) information in Items 1 through 4 on this date 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

1. Owner Virginia Power Date 8/7/89
P.O. Box 26666 (Name)
 (Address)

2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)

3. Work Performed by VA. Power 38000 6746
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)

4. Identification of System Service Water

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Uelan	40047300	N/A	N/A	1-SW-268	N/A	Replaced	NO
Flange	HUB INC.	40056505	↓	↓	↓	↓	↓	↓
2" Pipe	HUB INC.	3885480	↓	↓	↓	↓	↓	↓
Studs	Hardware Specialty	3788251	↓	↓	↓	↓	↓	↓
Hex Nuts	Hardware Specialty	0201993	↓	↓	↓	↓	↓	↓

7. Description of Work Replace Valve

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 55 psi Test Temp. AMVIC °F

9. Remarks Valve PO# CSY-196061 ; Flange PO# CSY-230450 ; 2" Pipe PO# CSY-12838 ;
 (Applicable Manufacturer's Data Reports to be attached) Hex Nut PO# 55Y-213298 ; Studs PO# CSY-219481

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. L. Rogers ISI Aug 11, 19 89
 (Owner or Owner's Designer) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-15, 19 89
 (Repairs or Replacements)

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 8-15-89 Robert J. Coda Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power Date 7/31/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 77876
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1/2" Studs</u>	<u>Continental Industrial</u>	<u>41646950</u>	<u>N/A</u>	<u>N/A</u>	<u>1-SWP-1A</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>5/8" Bolts</u>	<u>Continental Industrial</u>	<u>41646880</u>	↓	↓	↓	↓	↓	↓
<u>1/8" Nuts</u>	<u>Hardware Specialties</u>	<u>0203004</u>	↓	↓	↓	↓	↓	↓
<u>Nuts</u>	<u>Hardware Specialties</u>	<u>02019990</u>	↓	↓	↓	↓	↓	↓
<u>1/8" Bolts</u>	<u>Wear Machine Products</u>	<u>3788271</u>	↓	↓	↓	↓	↓	↓
<u>Studs</u>	<u>Continental Industrial</u>		↓	↓	↓	↓	↓	↓

7. Description of Work Replace Replicated Parts
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 180 psi Test Temp. NOT °F
9. Remarks 1/2" Stud PO# CSY-246898; 5/8" Bolts PO# CSY-246898; 1/8" Nut PO# SSY-198769
Nuts PO# CSY-219481; 1/8" Bolts PO# SSY-216264; Studs PO# CSY-286074

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed _____ Title ISI Date 19
 (Owner or Owner's Designer)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-15, 19 89 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 8-15-89 Robert S. Cochran Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power (Name) Date 7/31/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 77876
-Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>5/8" Hex Nut</u>	<u>Handwore Specialty</u>	<u>0201993</u>	<u>N/A</u>	<u>N/A</u>	<u>HSI-P-1A</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>3/4" Bolts</u>	<u>Cardinal Industrial</u>	<u>41646900</u>	↓	↓	↓	↓	↓	↓
<u>9/16" Bolts</u>	<u>Cardinal Industrial</u>	<u>4156451</u>	↓	↓	↓	↓	↓	↓
<u>1/2" Nuts</u>	<u>VOVA Machine Products</u>	<u>06126990</u>	↓	↓	↓	↓	↓	↓
<u>3/4" Hex Nut</u>	<u>Energy Steel and Supply</u>	<u>66126960</u>	↓	↓	↓	↓	↓	↓
<u>1/2" Bolts</u>	<u>Cardinal Industrial</u>	<u>41646890</u>	↓	↓	↓	↓	↓	↓

7. Description of Work Replace Replicated Parts
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 180 psi Test Temp. NOT °F
9. Remarks 5/8" Hex Nut PO#SSY-2132985; 3/4" Bolt PO#CSY-246898; 9/16" Bolts PO#CSY-224286
1/2" Nuts PO#SSY-173819; 3/4" Hex Nut PO#SSY-173494; 3/8" Bolts PO#CSY-246898

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. L. Rogers (Owner or Owner's Designee) Title ISI Date Aug. 12, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-15, 1989 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 8-15-89 Robert L. Coder (Inspector) Commissions NB 2009 Va 543 (State or Province, National Board)

Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/11/89
P.O. Box 26666 (Name) Sheet 1 of 1
 (Address)
 2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 61926
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System Reactor Coolant
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1 3/8" STUDS</u>	<u>Hardware Specialty</u>	<u>3788281</u>	<u>N/A</u>	<u>N/A</u>	<u>1-RC-SU-1551B</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>1" STUDS</u>	<u>Sales System</u>	<u>3788266</u>	↓	↓	↓	↓	↓	↓
<u>1 3/8" NUTS</u>	<u>ATG Engineering</u>	<u>02030110</u>	↓	↓	↓	↓	↓	↓
<u>3/4" STUDS</u>	<u>Hardware Specialty</u>	<u>3756641</u>	↓	↓	↓	↓	↓	↓

7. Description of Work Overhaul Valve
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2335 psi Test Temp. 547 °F
 9. Remarks 1 3/8" STUDS PD# SY-14548
1" STUDS PD# CSY-117030
3/4" STUDS PD# CSP-123473 ; 1 3/8" NUT PD# CSY-178514
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed D. L. [Signature] ISI Aug 11, 19 89
 (Owner or Owner's Designer) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-15, 1989 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 8-15-89 Robert J. [Signature] Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 4 on this date 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

1. Owner Virginia Power (Name) Date 8/11/89
P.O. Box 26666 (Address) Sheet 1 of 1

2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)

3. Work Performed by VA. Power (Name) 38000 61927
Same (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1 3/8" STUDS</u>	<u>Hand Valve Specialty</u>	<u>3788281</u>	<u>N/A</u>	<u>N/A</u>	<u>1-RC-SU-1551C</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>1" STUDS</u>	<u>Sales Systems</u>	<u>3788261</u>	↓	↓	↓	↓	↓	↓
<u>3/4" STUDS</u>	<u>Hand Valve Specialty</u>	<u>3756641</u>	↓	↓	↓	↓	↓	↓
<u>1 3/8" NUTS</u>	<u>AEG Engineering</u>	<u>02030110</u>	↓	↓	↓	↓	↓	↓

7. Description of Work Overhaul Valve

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

9. Remarks 1 3/8" STUDS PO#SY-14548
1" STUDS PO#CSY-117030 ; 3/4" STUDS PO#CSY-123473 ; 1 3/8" NUT PO#CSY-128514

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed D. L. Rozen (Owner or Owner's Designee) Title ISI Date Aug 11, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-15, 1989 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 8-15-89 Inspector Robert L. Codan Commissions NB7009 Va 543

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 8/11/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 1
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 61925
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1 3/8" STUDS</u>	<u>Hardware Specialty</u>	<u>3788281</u>	<u>N/A</u>	<u>N/A</u>	<u>1-RC-30-1551A</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>3/4" STUDS</u>	<u>↓</u>	<u>3756641</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>1 3/8" NUTS</u>	<u>AEG Engineering</u>	<u>02030110</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>

7. Description of Work: Overhaul Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2335 psi Test Temp. 547 °F
9. Remarks: 1 3/8" STUDS PO# CSY-14548
3/4" STUDS PO# CSY-123473
1 3/8" NUT PO# CSY-178514
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed D. L. Brown (Owner or Owner's Designee) Title ISI Date Aug 11, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-15, 1989 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 loss of any kind arising from or connected with this inspection.

Date 8-15-89 Inspector Robert J. Cook Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/17/89
P.O. Box 26666 (Name) Sheet 1 of 1
 (Address)
 2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 78157
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System Reactor Coolant
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>NUTS</u>	<u>Handwrt Specialty</u>	<u>02019990</u>	<u>N/A</u>	<u>N/A</u>	<u>1-RC-FE 1482</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>STUDS</u>	<u>Handwrt Specialty</u>	<u>3788261</u>	<u>N/A</u>	<u>N/A</u>	<u>1-RC-FE 1482</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>

7. Description of Work Replace Flex Gasket
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2525 psi Test Temp. 342 °F
 9. Remarks REPAIRED FLANGE STUDS AND NUTS
 (Applicable Manufacturer's Data Reports to be attached) NUTS PO# CSY-219481
STUDS PO# 559-224228

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 (Repair or replacement)
 Signed D. J. Roggen ISI Aug 17, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-17, 19 89
 (Repair(s) or Replacement(s))
 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 8-17-89 Robert L. Coole Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 7/26/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 50142
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System Service Water
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Expansion Joint</u>	<u>Goodall Rubber Company</u>	<u>2020266</u>	<u>N/A</u>	<u>N/A</u>	<u>1-SW-RES</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>
<u>STUDS</u>	<u>NOVA MACHINERY PRODUCTS</u>	<u>06070250</u>	<u>N/A</u>	<u>N/A</u>	<u>1-SW-RES</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>

7. Description of Work _____
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure N/A psi Test Temp. N/A °F
9. Remarks Studs PO# CSY-178987
Expansion Joint PO# SY-122531
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. C. Rogers ISI Aug. 22, 19 89
 (Owner or Owner's Designee) This (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-22, 19 89
 (Repair(s) or Replacement(s))

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 8-22-89 Robert L. Cohen Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., 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

1. Owner Virginia Power (Name) Date 7/31/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 82861
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Component Cooling
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(QAA) 3/4" Nut	Candina Industrial	02019970	NA	N/A	1-CC-E-1B	N/A	Replaced	NO
3/4" Studs	Hardware Specialties	3788256	↓	↓	1-CC-E-1B	↓	Replaced	NO
Studs	Candina Industrial	4158430	↓	↓	1-CC-E-1B	↓	Replaced	NO
Studs	Hardware Specialties	46066232	↓	↓	1-CC-E-1B	↓	Replaced	NO

7. Description of Work Open, Clean, Close heat exchanger
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NO P psl Test Temp. NO °F
9. Remarks 32 Studs REPLACED
3/4" Studs PD # CSY-230935, CSY-249744
Other Studs PD # CSY-250811, CSY-230422

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed [Signature] ISI Aug. 22, 19 89
 (Owner or Owner's Designee) This (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of

Hartford, CT. have inspected the replacement described in this Report on 8-22, 19 89
 (Repair(s) or Replacement(s))

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 8-22-89 Robert F. Code Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power (Name) Date 8/4/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 3800080672
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Component Cooling
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>5" Hex Nut</u>	<u>Hardware Specialties</u>	<u>213298</u>	<u>N/A</u>	<u>N/A</u>	<u>1-CC-E-K</u>	<u>NA</u>	<u>Replaced</u>	<u>NO</u>

7. Description of Work REMOVE/REINSTALL END BECC
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 100 psi Test Temp. 100 °F
9. Remarks PO# 554-213298
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed [Signature] (Owner or Owner's Designer) ISI Title Aug. 22, 19 89 (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-22, 19 89 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 8-22-89 Robert J. Corbin (Inspector) Commissions NB 7009 Va 543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., (2) information in Items 1 through 4 on this date 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

1. Owner Virginia Power Date 8/1/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800081416
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Component Cooling
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>NUT</u>	<u>Hardware Specialty</u>	<u>37591750</u>	<u>N/A</u>	<u>N/A</u>	<u>1-cc-58</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>
<u>5/8" HEX NUTS</u>	<u>Hardware Specialty</u>	<u>0201993</u>	<u>N/A</u>	<u>N/A</u>	<u>1-cc-58</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>
<u>5/8" STUDS</u>	<u>Hardware Specialty</u>	<u>0616331</u>	<u>N/A</u>	<u>N/A</u>	<u>1-cc-58</u>	<u>N/A</u>	<u>replaced</u>	<u>NO</u>

7. Description of Work Overhaul Check Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 100 psi Test Temp. 100 °F
9. Remarks
 (Applicable Manufacturer's Data Reports to be attached)
Nut PO# 558-197203
5/8" Hex Nut PO# 554-213298
5/8" Studs PO# 554-210835

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. L. Deane ISI Aug. 22, 19 89
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&T CO. of Hartford, CT. have inspected the replacement described in this Report on 8-22, 1989
 (Repair(s) or Replacement(s))

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 8-22-89 Robert L. Carlen Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

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

- 1. Owner Virginia Power Date 7/31/89
P.O. Box 26666 (Name)
(Address) Sheet 1 of 1
- 2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
(Address)
- 3. Work Performed by VA. Power 38000 75483
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
- 4. Identification of System Service Water
- 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
- 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Value	Guyon Pipe Company	4153490	N/A	N/A	1-SW-313	N/A	Replaced	NO

- 7. Description of Work Replace Check Valve
- 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure NOP psi Test Temp. NOP °F
- 9. Remarks Valve PO# CSK-215165
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
Signed [Signature] ISI Title Aug 22, 19 89
(Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-22, 1989
(Repairs) or Replacements
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 8-22-89 Robert L. Cochr Commissions NB 7009 Va. 543
(Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 7/26/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 49163
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Service Water
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mr.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Valve	William Powell	41226010	N/A	N/A	1-SW-113	N/A	replaced	NO

7. Description of Work Replace Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 202 psi Test Temp. 202 °F
9. Remarks 2" Valve PO# 554-134794
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed [Signature] ISI Title Aug 22, 19 89
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 8-22, 19 89
 (Repairs) or Replacement(s)

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 8-22-89 Robert L. Corlan Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power (Name) Date 9/5/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315, Surry, Va. 23883 (Address)
3. Work Performed by VA. POWER (Name) 3800081411
SAME (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Condenser Cooling
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, 480 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>3/4" STUDD</u>	<u>WABCO/SPECIALTY</u>	<u>3788256</u>	<u>N/A</u>	<u>N/A</u>	<u>1-COM-110</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>NO</u>

7. Description of Work REPAIRED VALVE
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NO psi Test Temp. NO °F
9. Remarks 3/4" STUDD, PO# CS 1230935
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code (repair or replacement)

Signed D. J. Logan (Owner or Owner's Designee) ISI ENGINEER SEPT. 5 Title (Date), 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSB I & I Co. of Hartford, Ct. have inspected the REPLACEMENT described in this Report on 9-5, 1989 (Repairs or Replacement(s)) 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 9-5-89 Robert L. Coder (Inspector) Commissions NB 7005Va543 (State or Province, National Board)

1) Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/17/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1

2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)

3. Work Performed by VA. Power 38000 71849
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(421) STUDS	Kandthal Industrial	37882610	N/A	N/A	1-RL-P-1A Flange	N/A	Replaced	NO
(429) 7/8" NUTS	MOVA MACHIN PRODUCTS	06126920	N/A	N/A	1-RL-P-1A Flange	N/A	Replaced	NO

7. Description of Work Replace Flange Gasket

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 235 psi Test Temp. 542 °F

9. Remarks STUDS PO# 554-210445
NUTS PO# 554-173319
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed A. L. Danner ISI ENG. SEPT 5, 19 89
 (Owner or Owner's Designer) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 9-5, 1989 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 9-5-89 Robert L. Codan Commissions NB 7609 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power Date 8/28/89
P.O. Box 26666 (Name) Sheet 1 of 1
 (Address)
 2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA Power 38000 0/1194
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System Component Cooling
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>4" Valve</u>	<u>Crane</u>	<u>412-0189</u>	<u>N/A</u>	<u>N/A</u>	<u>1-CC-442</u> <u>(1-CC-442)</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>

7. Description of Work Replace Valve
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 16.5 psi Test Temp. Ambient °F
 9. Remarks Value P#SY-129295
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed D. L. Burgess ISI SEPT 5, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 9-5, 19 89
 (Repairs) or Replacement(s)
 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 9-5-89 Robert J. Cochran Commissions NB-7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 8/30/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 81410
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Component Cooling
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>3/8" NUTS</u>	<u>Hand-wort Special</u>	<u>0615814</u>	<u>N/A</u>	<u>N/A</u>	<u>1-CC-TV-110B</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>3/4" STUDS</u>	<u>↓</u>	<u>3788256</u>	<u>N/A</u>	<u>N/A</u>	<u>1-CC-TV-110B</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>

(829)

7. Description of Work Repair Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOT psi Test Temp. NOT °F
9. Remarks NUTS PO # 555-219702
STUDS PO # 255-230935
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.

Signed D. P. [Signature] (Owner or Owner's Designee) Title ISI Eng Date Sept 5, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 9-5, 19 89 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 9-5-89 Robert L. Cochran (Inspector) Commissions NB 7009 Va 543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/30/89
P.O. Box 26666 (Name)
 (Address)

2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)

3. Work Performed by VA. Power 38000 78389
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WBQ Addenda, Code Cases NA

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(660) NUTS	Hindware Specialty	02019990	N/A	N/A	1-RC-FNG	N/A	Replaced	NO
(800) STUDS	↓	3788261	↓	↓	1-RC-FNG	N/A	Replaced	NO

7. Description of Work Replace Flange Gaskets

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2835 psi Test Temp. 542 °F

9. Remarks NUTS Po# 219481
STUDS Po# 224228
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed [Signature] Title ISI Eng. Date Sept 5, 19 89
 (Owner or Owner's Designer)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&J CO. of Hartford, CT. have inspected the replacement described in this Report on 9-5, 1989 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 9-5-89 Robert J. Coran Commissions NB 7009 Va 549
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/30/89
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Sheet 1 of 1
P.O. Box 315 Surry, VA 23883 (Address) Unit ONE
 3. Work Performed by VA. Power 38000 78387
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System Reactor Coolant
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(8 EA) STUDS	Henderson Specialty	3788261	N/A	N/A	1-RC-FNB	N/A	Replaced	NO
(16 EA) NUTS	↓	02019990	↓	↓	↓	↓	Replaced	NO

7. Description of Work Replace Flange Gaskets
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2875 psi Test Temp. 542 °F
 9. Remarks STUDS PO# CSY-224228
NUTS PO# CSY-219481
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed D. L. Cooper Title ISI Eng. Date SEPT. 5, 19 89
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 9-5, 19 89
 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 9-5-89 Robert L. Cooper Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 8/30/89
P.O. Box 26666 (Name) Sheet 1 of 1
 (Address)
 2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 81748
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System Feed Water
 5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WB0 Addenda, Code Cases NA
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(10 EA) STUDS	Novac Machine Products	37882660	N/A	N/A	1-FW-142	N/A	Replaced	NO

7. Description of Work Overhaul Valve
 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 1375 psi Test Temp. NOT °F
 9. Remarks STUDS PO# CSY-241514
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed D. L. Rogers Title ISI Eng Date 9/5, 19 89
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 9-6, 19 89 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 9-6-89 Robert L. Codar Commissions NB 7809 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date SEPT 18, 1989
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA Power 38000 82831
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System SAFETY INSJECTION
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>FLANGE STUDS AND NUTS</u>	<u>HARDWARE SPECIALTIES</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>MS-FC-1945</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>N/A</u>

7. Description of Work REPLACEMENT
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOP psi Test Temp. NOP °F
9. Remarks None
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this _____ conforms to Section XI of the ASME Code. (repair or replacement)

Signed D. H. Boyce ISI SEPT. 18, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacements described in this Report on 9-18, 19 89
 (Repairs) or Replacement(s)

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 9-18-89 Robert J. Code Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date SEPT. 17, 1989
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit 1
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 719 15
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System CHEMICAL AND VOLUME CONTROL
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>FLANGE STUDS & NUTS</u>	<u>HARDWARE SPECIARIES</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>1-CH-E-6B</u>	<u>N/A</u>	<u>REPLACED</u>	<u>N/A</u>

7. Description of Work REPLACED FLANGE BOLTING
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NONE psi Test Temp. NONE °F
9. Remarks NONE
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
 (Repair or replacement)

Signed David L. Rozema ISI SEPT. 18, 19 89
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 9-18, 19 89
 (Repairs) or Replacement(s)

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 9-18-89 Hubert L. Coda Commissions NB7009 Va 543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power Date 9/18/89
P.O. Box 26666 (Name)
 (Address)
2. Plant Surry Power Station Unit 1
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800080906
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System COMPONENT COOLING
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>INLET CHANNEL HEAD MANWAY</u>	<u>YUCA</u>	<u>86-11-735</u>	<u>N/A</u>	<u>N/A</u>	<u>1-CC-4-1A</u>	<u>1986</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED MANWAY
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NO psi Test Temp. NBT °F
9. 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 REPLACEMENT conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. E. Rogers ISI SEPT 18, 19 89
 (Owner or Owner's Designee) THIS (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 9-18, 1989
 (Repairs) or Replacement(s)

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 9-18-89 Robert J. Cohen Commissions NB 7009 Va 543
 (Inspector) (State or Province, National Board)

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

1. Owner Virginia Power Date 7/12/89
(Name)
P.O. Box 26666
(Address)
2. Plant Surry Power Station Unit ONE
(Name)
P.O. Box 315 Surry, VA 23883
(Address)
3. Work Performed by VA. Power 38000 69575 / EWR 88-400 P/YU,
(Name) Repair Organization P.O. No., Job No., etc.
Same
(Address)
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flange Bolting	Cardinal Industrial	3788260	NA	NA	RC-SV TSSIA	NA	Replaced	NO

7. Description of Work New Flange Bolting
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2335 psi Test Temp. 547 °F
9. Remarks Bolting PO # 554217452
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
(repair or replacement)

Signed David G. Dozere ISI Jerry 19 89
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB' I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 7-19, 19 89
(Repairs) or Replacement(s)

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 7-19-89 Robert L. Corbin Commissions NB7009 Va 543
(Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 4 on this date 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

1. Owner Virginia Power Date 7/12/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit ONE
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 73879 / EWR 88-400 P2/11
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Bolting</u>	<u>Cardinal Industrial</u>	<u>37882660</u>	<u>NA</u>	<u>NA</u>	<u>RC-SU-1551B</u>	<u>NA</u>	<u>Replaced</u>	<u>No</u>

7. Description of Work New Flange Bolting
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2335 psi Test Temp. 597 °F
9. Remarks
 (Applicable Manufacturer's Data Reports to be attached) Bolting PO# 554217452

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed David L. Logue ISI Title Jacy 18, 19 88
 (Owner or Owner's Designee) (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the replacement described in this Report on 7-19, 1989
 (Repair(s) or Replacement(s))

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 7-19-89 Robert P. Cochran Commissions NB7009 Va543
 (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner VIRGINIA POWER (Name) Date 2/20/89
P.O. Box 26666 (Address) Sheet 1 of 1

2. Plant SURRY POWER STATION (Name) Unit 1-2-2LR
P.O. Box 315 Surry, VA 23883 (Address)

3. Work Performed by Va. Power (Name) 3800075467
SAN 6 (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System SERVICE WATER

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

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

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>GLOBE VALVE</u>	<u>PERGUSON ENTERPRISES</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>1-SW-3</u>		<u>REPLACEMENT</u>	<u>No</u>

7. Description of Work REPLACED GLOBE VALVE 1-SW-3

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure NOP psl Test Temp. NOP °F

9. Remarks PO# CSY222823
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code (repair or replacement)

Signed David H. Rogers (Owner or Owner's Designee) ISE ENG. Title 2/20 (Date) 1989

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Va, employed by HSB I+I CO of Hartford, Ct have inspected the replacement described in this Report on 2-20, 1989

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 2-20-89 Robert J. Cochran (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 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

1. Owner Virginia Power (Name) Date 03-10-89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit ONE
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 3800066815
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System REACTION COOLANT (Rx Vessel Head) Class 1
5. (a) Applicable Construction Code B31-1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>0.1116 SURFACE</u>	<u>Westinghouse</u>	<u>MA</u>	<u>MA</u>	<u>MA</u>	<u>MA</u> <u>01-KC misc.</u>	<u>MA</u>	<u>Repair</u>	<u>NO</u>

7. Description of Work HONED & POLISH SURFACE INDICATIONS ON Rx Vessel head "0" ring seal surface
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other PT-11
 Pressure 2335 psi Test Temp. > 520 °F
9. 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 Repair conforms to Section XI of the ASME Code.
 Signed Alvin M. Gull (Owner or Owner's Designee) Title ISI Date 3/10, 19 89

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VA, employed by HSB I&T CO. of Hartford, CT. have inspected the Repair described in this Report on 3/10, 19 89 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 3/13/89 Robert L. Coder (Inspector) Commissions NB7009 Va 543 (State or Province, National Board)

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