

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

December 15, 1989

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 89-832
PES/ISI
Docket No. 50-281
License No. DPR-37

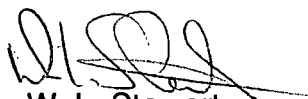
Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNIT 2
INSERVICE INSPECTION SUMMARY REPORT

As set forth in the provisions of ASME Section XI 1980 Edition with Addenda through the Winter 1980 Addendum, enclosed is the Inservice Inspection Summary Report for Surry Power Station Unit 2. This report is an examination summary. Should you require more detailed information, the entire report will be maintained on file at the station and the corporate office.

In accordance with IWA-6220, Reports for Class 1 and Class 2 Components, a Form NIS-1, Owner's Report for Inservice Inspections, is provided with this report as Attachment I. The Form NIS-2 Forms, Owner's report for Repair and Replacement, are also provided as Attachment II.

Very truly yours,



W. L. Stewart
Senior Vice President - Nuclear

Attachments

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

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

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ISI SUMMARY REPORT

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-NOTICE-

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-NOTICE-

ATTACHMENT 1
INSERVICE INSPECTION REPORT

INSERVICE INSPECTION REPORT

of the

Surry Nuclear Power Station

Unit 2

P.O. Box 315

Surry, Virginia 23883

for

Virginia Electric and Power Company

5000 Dominion Blvd.

Glen Allen, Virginia 23060

Commercial Service Date: May 1, 1973

Operating Capacity: 822 MWe (net)

Refueling Outage: 2nd Interval, 2nd 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,
(Name and Address of Owner) VA. 23060
2. Plant Surry Power Station, P.O. Box 315, Surry, VA. 23883
(Name and Address of Plant)
3. Plant Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 5/73 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	147-1	N/A	N/A
Steam Gen. B.	Westinghouse, Tampa Div.	2792	N/A	N/A
Class 1 Piping	Southwest Fab.	N/A	N/A	N/A
Residual Heat Exchanger 1A	Atlas Industrial	892	N/A	742
Residual Heat Exchanger 1B	Atlas Industrial	893	N/A	743
Seal Water Inj Filter 4A	Commercial Filter	N/A	N/A	N/A
Seal Water Inj Filter 4B	Commercial Filter	N/A	N/A	N/A
Class 2 Piping	Southwest Fab.	N/A	N/A	N/A
Hangers and Supports	Class 1, 2, and 3	N/A	N/A	N/A

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 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 12/02/86 to 09/19/89 9. Inspection Interval from 05/01/83 to 05/01/93
10. Applicable Editions of Section XI 1980 Addenda Winter '80
11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. See page 05 through 40.
12. Abstract of Conditions Noted. See page 03, 04, and Attachment I
13. Abstract of Corrective Measures Recommended and Taken. See page 03, 04, and Attachment I.

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) _____ Expiration Date _____

Date 11/27 19 89 Signed VA. POWER By E. W. Thompson
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 HSB I+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 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 S. Coder Commissions Va 543
Inspector's Signature National Board, State, Province, and Endorsements

Date 11/27/89 19 _____

Examination Summary

Virginia Electric and Power Company
Surry Nuclear Power Station
Unit 2

Refueling Outage
2nd Interval, 2nd Period

Introduction

Inservice examinations of Class 1 and Class 2 components and piping were conducted at Surry Power Station Unit 2 from December 2, 1986 to September 19, 1989.

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 53 components 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 Flange Bolting on Flange A, ISO VIR-1-4700 - Item 8, revealed an accumulation of boric acid. The bolting was cleaned, reexamined by engineering personnel, and found acceptable.
- B) Examination of Flange Bolting on FE-491 on ISO VIR-1-4700 - Item 6, revealed an accumulation of boric acid. The bolting was cleaned, reexamined by engineering personnel, and found acceptable.
- C) Examination of Flange Bolting on Flange A on ISO VIR-1-4700 - Item 16, revealed an accumulation of boric acid. The bolting was cleaned, reexamined by engineering personnel, and found acceptable.
- D) The integral attachment weld on Class 2 Hanger #37 on drawing MKS-103A2 was rejected due to a linear indication found during NDE examination. The indication was ground out and repaired by welding. Additional integral attachments were inspected as required by ASME Section XI, IWC-2430. No other deficiencies were identified.
- E) The following spring can supports were inspected as part of the IWF inspection program. It was determined that the spring can settings were out of tolerance. This condition were addressed and corrected under EWR 88-309:

MKS-103A1 H03	MKS-123G1	H96
MKS-103A1 H06	MKS-123G2	H01
MKS-103A1 H08	MKS-123Q1	H59
MKS-112S1 H26	MKS-123Q2	H91
MKS-112S1 H27	MKS-124A1	H12
MKS-117A1 H02	MKS-124A1	H18
MKS-117A1 H03	MKS-125A1	H09
MKS-117A1 H05	MKS-125A1	H10
MKS-117A1 H09	MKS-127G1	H13
MKS-117A1 H13	MKS-2045A1	H04
MKS-117A1 H14	MKS-2122A8	H05
MKS-117A1 H28A	MKS-2122A14	H01
MKS-122H1 H18	MKS-2122A15	H01

MKS-122H1 H20
MKS-122J1 H04
MKS-123E1 H64
MKS-SHP-1 H117
MKS-SHP-2 H116

MKS-CH-8 H15
MKS-RC-9 H02
MKS-SHP-1 H17
MKS-SHP-2 H16

F) The following supports were inspected as part of the IWF inspection program. Conditions reported on the examination reports required corrective action. This corrective action was accomplished and documented in EWR 88-309:

- 1) MKS-117A1, H17: 1/2" bolt not fully engaged.
- 2) MKS-117A1, H20: Loose locking nuts.
- 3) MKS-117A1, H28: Loose locking nuts.
- 4) MKS-118A1, H04: Rust and dirt inside spring can.
- 5) MKS-118A2, H05: Rust and dirt inside spring can.
- 6) MKS-118A2, H06: Rust and dirt inside spring can.
- 7) MKS-123G1, H96: Loose bolt.
- 8) MKS-123Q1, H54: Weld missing for brace and gauge on support member.
- 9) MKS-2122A17, H08: 5/8" gap around top of wall mounted support plate.
- 10) MKS-NSL-1, H07: Hanger is not in tension (not supporting pipe).
- 11) MKS-NSL-1, H08: Angle iron support bracket broken; U-Bolt fastening nuts missing.
- 12) MKS-RC-1A, H04: Bent rod.

G) Welds 4 and 5 on VIR-1-4209 were rejected due to flaw sizes in excess of the NDE procedure acceptance criteria. The scope of examinations was expanded as required by ASME Section XI, IWB-2430. The results of these expanded scope exams as well as the disposition of all Category BJ, Item B9.40 welds examined was addressed in EWR 88-412. For a summary of the results of this EWR, see Attachment I.

Abstract of Examinations

Page 5 of 40
November 17, 1989

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	CC5	H01	VT
F-C	F3.20	CC5	H01	VT
F-C	F3.30	CC5	H01	VT
F-C	F3.40	CC5	H01	VT
F-C	F3.10	CC5	H02	VT
F-C	F3.20	CC5	H02	VT
F-C	F3.30	CC5	H02	VT
F-C	F3.10	CC5	H03	VT
F-C	F3.20	CC5	H03	VT
F-C	F3.30	CC5	H03	VT
F-C	F3.10	CC5	H04	VT
F-C	F3.20	CC5	H04	VT
F-C	F3.30	CC5	H04	VT
F-C	F3.10	CC5	H05	VT
F-C	F3.20	CC5	H05	VT
F-C	F3.30	CC5	H05	VT
F-C	F3.10	CC5	H06	VT
F-C	F3.20	CC5	H06	VT
F-C	F3.30	CC5	H06	VT
F-C	F3.10	CC5	H08A	VT
F-C	F3.20	CC5	H08A	VT
F-C	F3.30	CC5	H08A	VT
F-C	F3.10	CC6	H01	VT
F-C	F3.20	CC6	H01	VT
F-C	F3.30	CC6	H01	VT
F-C	F3.10	CC6	H02	VT
F-C	F3.20	CC6	H02	VT
F-C	F3.30	CC6	H02	VT
F-C	F3.10	CC6	H03	VT
F-C	F3.20	CC6	H03	VT
F-C	F3.30	CC6	H03	VT
F-C	F3.10	CC6	H04	VT
F-C	F3.20	CC6	H04	VT
F-C	F3.30	CC6	H04	VT
F-C	F3.10	CC6	H05	VT
F-C	F3.20	CC6	H05	VT
F-C	F3.30	CC6	H05	VT
F-C	F3.10	CC6	H06	VT
F-C	F3.20	CC6	H06	VT
F-C	F3.30	CC6	H06	VT
F-C	F3.10	CC6	H07	VT
F-C	F3.20	CC6	H07	VT
F-C	F3.30	CC6	H07	VT
F-C	F3.10	CC6	H08	VT
F-C	F3.20	CC6	H08	VT
F-C	F3.30	CC6	H08	VT
F-C	F3.10	CC6	H09	VT
F-C	F3.10	CC28	H02A	VT
F-C	F3.20	CC28	H02A	VT
F-C	F3.30	CC28	H02A	VT
F-C	F3.10	CC37	H01A	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	CC41	H01A	VT
F-C	F3.30	CC41	H01A	VT
F-C	F3.10	CC48	H02A	VT
F-C	F3.30	CC48	H02A	VT
F-C	F3.10	CH1	H02A	VT
F-C	F3.30	CH1	H02A	VT
F-C	F3.10	CH1	H04B	VT
F-C	F3.20	CH1	H04B	VT
F-C	F3.30	CH1	H04B	VT
F-C	F3.10	CH7	H01	VT
F-C	F3.30	CH7	H01	VT
F-C	F3.10	CH7	H02	VT
F-C	F3.30	CH7	H02	VT
F-C	F3.10	CH7	H03	VT
F-C	F3.30	CH7	H03	VT
F-C	F3.10	CH7	H04	VT
F-C	F3.30	CH7	H04	VT
F-C	F3.10	CH7	H05	VT
F-C	F3.30	CH7	H05	VT
F-C	F3.10	CH7	H06	VT
F-C	F3.30	CH7	H06	VT
F-C	F3.10	CH7	H07	VT
F-C	F3.30	CH7	H07	VT
F-C	F3.10	CH8	H14A	VT
F-C	F3.20	CH8	H14A	VT
F-C	F3.30	CH8	H14A	VT
F-C	F3.10	CH8	H15	VT
F-C	F3.30	CH8	H15	VT
F-C	F3.40	CH8	H15	VT
F-C	F3.50	CH8	H15	VT
F-C	F3.10	CH8	H16	VT
F-C	F3.30	CH8	H16	VT
F-C	F3.40	CH8	H16	VT
F-C	F3.50	CH8	H16	VT
F-C	F3.10	CH9	H15	VT
F-C	F3.20	CH9	H15	VT
F-C	F3.30	CH9	H15	VT
F-C	F3.10	CH9	H16	VT
F-C	F3.30	CH9	H16	VT
F-C	F3.10	CH9	H17	VT
F-C	F3.30	CH9	H17	VT
F-C	F3.10	CH9	H18	VT
F-C	F3.20	CH9	H18	VT
F-C	F3.30	CH9	H18	VT
F-C	F3.10	CH11	H01	VT
F-C	F3.30	CH11	H01	VT
F-C	F3.40	CH11	H01	VT
F-C	F3.10	CH11	H01A	VT
F-C	F3.10	CH11	H02	VT
F-C	F3.30	CH11	H02	VT
F-C	F3.10	CH11	H04	VT
F-C	F3.30	CH11	H04	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.40	CH11	H04	VT
F-C	F3.10	CH11	H04A	VT
F-C	F3.30	CH11	H04A	VT
F-C	F3.40	CH11	H04A	VT
F-C	F3.10	CH11	H05	VT
F-C	F3.30	CH11	H05	VT
F-C	F3.10	CH11	H07	VT
F-C	F3.30	CH11	H07	VT
F-C	F3.40	CH11	H07	VT
F-C	F3.10	CH11	H07A	VT
F-C	F3.30	CH11	H07A	VT
F-C	F3.40	CH11	H07A	VT
F-C	F3.10	CH11	H08	VT
F-C	F3.10	CH11	H10	VT
F-C	F3.30	CH11	H10	VT
F-C	F3.10	CH11	H12	VT
F-C	F3.30	CH11	H12	VT
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F-C	F3.30	CH11	H15	VT
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CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
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CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
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F-C	F3.10	CH24	H03	VT
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F-C	F3.30	CH24	H04	VT
F-C	F3.10	CH24	H05	VT
F-C	F3.30	CH24	H05	VT
F-C	F3.10	CH25	H205	VT
F-C	F3.30	CH25	H205	VT
F-C	F3.40	CH25	H205	VT
F-C	F3.10	CH25	H219	VT
F-C	F3.30	CH25	H219	VT
F-C	F3.10	CH25	H220	VT
F-C	F3.30	CH25	H220	VT
F-C	F3.10	CH26	H197	VT
F-C	F3.30	CH26	H197	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
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F-C	F3.40	CH26	H198	VT
F-C	F3.10	CH26	H200	VT
F-C	F3.30	CH26	H200	VT
F-C	F3.10	CH26	H201	VT
F-C	F3.10	CH28	H01	VT
F-C	F3.30	CH28	H01	VT
F-C	F3.10	CH28	H02	VT
F-C	F3.30	CH28	H02	VT
F-C	F3.10	CH28	H03	VT
F-C	F3.10	CH28	H05	VT
F-C	F3.30	CH28	H05	VT
F-C	F3.30	CH28	H03	VT
F-C	F3.10	CH29	H01	VT
F-C	F3.30	CH29	H01	VT
F-C	F3.10	CH30	H01	VT
F-C	F3.30	CH30	H01	VT
F-C	F3.10	CH30	H02	VT
F-C	F3.30	CH30	H02	VT
F-C	F3.10	CH30	H03	VT
F-C	F3.30	CH30	H03	VT
F-C	F3.10	CH30	H04	VT
F-C	F3.30	CH30	H04	VT
F-C	F3.10	CH30	H04B	VT
F-C	F3.30	CH30	H04B	VT
-C	F3.10	CH30	H05	VT
F-C	F3.30	CH30	H05	VT
F-C	F3.10	CH31	H01	VT
F-C	F3.30	CH31	H01	VT
F-C	F3.10	CH31	H02	VT
F-C	F3.30	CH31	H02	VT
F-C	F3.10	CH33	H01	VT
F-C	F3.30	CH33	H01	VT
F-C	F3.10	CH33	H221	VT
F-C	F3.30	CH33	H221	VT
F-C	F3.10	CH33	H222A	VT
F-C	F3.30	CH33	H222A	VT
F-C	F3.10	CH33	H226	VT
F-C	F3.30	CH33	H226	VT
F-C	F3.10	CH33	H228	VT
F-C	F3.30	CH33	H228	VT
F-C	F3.10	CH33	H229	VT
F-C	F3.30	CH33	H229	VT
F-C	F3.10	CH34	H01	VT
F-C	F3.30	CH34	H01	VT
F-C	F3.40	CH34	H01	VT
F-C	F3.10	CH34	H02	VT
F-C	F3.30	CH34	H02	VT
F-C	F3.10	CH34	H04	VT
F-C	F3.30	CH34	H04	VT
-C	F3.10	CH34	H220	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.30	CH34	H220	VT
F-C	F3.10	CH34	H221	VT
F-C	F3.30	CH34	H221	VT
F-C	F3.10	CH34	H222	VT
F-C	F3.30	CH34	H222	VT
F-C	F3.40	CH34	H222	VT
F-C	F3.10	CH34	H223	VT
F-C	F3.30	CH34	H223	VT
F-C	F3.10	CH34	H226	VT
F-C	F3.30	CH34	H226	VT
F-C	F3.10	CH38	H01A	VT
F-C	F3.30	CH38	H01A	VT
F-C	F3.10	CH38	H02	VT
F-C	F3.30	CH38	H02	VT
F-C	F3.10	CH38	H03	VT
F-C	F3.30	CH38	H03	VT
F-C	F3.10	CH38	H03D	VT
F-C	F3.20	CH38	H03D	VT
F-C	F3.30	CH38	H03D	VT
F-C	F3.40	CH38	H03D	VT
F-C	F3.10	CH47	H01	VT
F-C	F3.30	CH47	H01	VT
F-C	F3.10	CH47	H01A	VT
F-C	F3.30	CH47	H01A	VT
F-C	F3.10	CH47	H01B	VT
F-C	F3.30	CH47	H01B	VT
F-C	F3.10	CH47	H01C	VT
F-C	F3.30	CH47	H01C	VT
F-C	F3.10	CH47	H01D	VT
F-C	F3.30	CH47	H01D	VT
F-C	F3.10	CH59	H03	VT
F-C	F3.30	CH59	H03	VT
F-C	F3.10	CS1	H01	VT
F-C	F3.20	CS1	H01	VT
F-C	F3.30	CS1	H01	VT
F-C	F3.10	CS1	H01A	VT
F-C	F3.20	CS1	H01A	VT
F-C	F3.30	CS1	H01A	VT
F-C	F3.40	CS1	H01A	VT
F-C	F3.10	CS1	H02	VT
F-C	F3.20	CS1	H02	VT
F-C	F3.30	CS1	H02	VT
F-C	F3.10	CS1	H02A	VT
F-C	F3.30	CS1	H02A	VT
F-C	F3.10	CS2	H01	VT
F-C	F3.20	CS2	H01	VT
F-C	F3.30	CS2	H01	VT
F-C	F3.10	CS2	H02	VT
F-C	F3.20	CS2	H02	VT
F-C	F3.30	CS2	H02	VT
F-C	F3.10	CS2	H03	VT
F-C	F3.20	CS2	H03	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.30	CS2	H03	VT
F-C	F3.10	CV2	H01	VT
F-C	F3.20	CV2	H01	VT
F-C	F3.30	CV2	H01	VT
F-C	F3.10	DG3	H07	VT
F-C	F3.30	DG3	H07	VT
F-C	F3.10	MKS-0103A1	H05	VT
F-C	F3.20	MKS-0103A1	H05	VT
F-C	F3.30	MKS-0103A1	H05	VT
F-C	F3.40	MKS-0103A1	H05	VT
F-C	F3.50	MKS-0103A1	H05	VT
F-C	F3.10	MKS-0103A1	H06	VT
F-C	F3.30	MKS-0103A1	H06	VT
F-C	F3.40	MKS-0103A1	H06	VT
F-C	F3.50	MKS-0103A1	H06	VT
F-C	F3.10	MKS-0103A1	H07	VT
F-C	F3.20	MKS-0103A1	H07	VT
F-C	F3.30	MKS-0103A1	H07	VT
F-C	F3.40	MKS-0103A1	H07	VT
F-C	F3.50	MKS-0103A1	H07	VT
F-C	F3.10	MKS-0103A1	H08	VT
F-C	F3.30	MKS-0103A1	H08	VT
F-C	F3.40	MKS-0103A1	H08	VT
F-C	F3.50	MKS-0103A1	H08	VT
F-C	F3.10	MKS-0103A1	H09	VT
F-C	F3.20	MKS-0103A1	H09	VT
F-C	F3.30	MKS-0103A1	H09	VT
F-C	F3.40	MKS-0103A1	H09	VT
F-C	F3.50	MKS-0103A1	H09	VT
C-C	C3.40	MKS-0103A1	H34	MT
F-C	F3.10	MKS-0103A1	H34	VT
F-C	F3.20	MKS-0103A1	H34	VT
F-C	F3.30	MKS-0103A1	H34	VT
C-C	C3.40	MKS-0103A1	H35	MT
F-C	F3.10	MKS-0103A1	H35	VT
F-C	F3.30	MKS-0103A1	H35	VT
C-C	C3.40	MKS-0103A2	H36	MT
F-C	F3.10	MKS-0103A2	H36	VT
F-C	F3.20	MKS-0103A2	H36	VT
F-C	F3.30	MKS-0103A2	H36	VT
F-C	F3.40	MKS-0103A2	H36	VT
F-C	F3.50	MKS-0103A2	H36	VT
C-C	C3.40	MKS-0103A2	H37	MT
F-C	F3.10	MKS-0103A2	H37	VT
F-C	F3.20	MKS-0103A2	H37	VT
F-C	F3.30	MKS-0103A2	H37	VT
F-C	F3.40	MKS-0103A2	H37	VT
F-C	F3.50	MKS-0103A2	H37	VT
C-C	C3.40	MKS-0103A2	H38	MT
F-C	F3.10	MKS-0103A2	H38	VT
F-C	F3.20	MKS-0103A2	H38	VT
F-C	F3.40	MKS-0103A2	H38	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.50	MKS-0103A2	H38	VT
F-C	F3.10	MKS-0103A2	H39	VT
F-C	F3.20	MKS-0103A2	H39	VT
F-C	F3.30	MKS-0103A2	H39	VT
F-C	F3.40	MKS-0103A2	H39	VT
F-C	F3.50	MKS-0103A2	H39	VT
F-C	F3.10	MKS-0103A2	H40	VT
F-C	F3.20	MKS-0103A2	H40	VT
F-C	F3.30	MKS-0103A2	H40	VT
F-C	F3.40	MKS-0103A2	H40	VT
F-C	F3.50	MKS-0103A2	H40	VT
F-C	F3.10	MKS-0103A2	H41	VT
F-C	F3.20	MKS-0103A2	H41	VT
F-C	F3.30	MKS-0103A2	H41	VT
F-C	F3.40	MKS-0103A2	H41	VT
F-C	F3.50	MKS-0103A2	H41	VT
F-C	F3.10	MKS-0103A2	H60	VT
F-C	F3.20	MKS-0103A2	H60	VT
F-C	F3.30	MKS-0103A2	H60	VT
F-C	F3.40	MKS-0103A2	H60	VT
F-C	F3.50	MKS-0103A2	H60	VT
F-C	F3.10	MKS-0103A2	H61	VT
F-C	F3.20	MKS-0103A2	H61	VT
F-C	F3.30	MKS-0103A2	H61	VT
F-C	F3.40	MKS-0103A2	H61	VT
F-C	F3.50	MKS-0103A2	H61	VT
F-C	F3.10	MKS-0103A2	H62	VT
F-C	F3.20	MKS-0103A2	H62	VT
F-C	F3.30	MKS-0103A2	H62	VT
F-C	F3.40	MKS-0103A2	H62	VT
F-C	F3.50	MKS-0103A2	H62	VT
F-C	F3.10	MKS-0103A2	H63	VT
F-C	F3.30	MKS-0103A2	H63	VT
F-C	F3.40	MKS-0103A2	H63	VT
F-C	F3.50	MKS-0103A2	H63	VT
F-C	F3.10	MKS-0103A2	H64	VT
F-C	F3.30	MKS-0103A2	H64	VT
F-C	F3.40	MKS-0103A2	H64	VT
F-C	F3.50	MKS-0103A2	H64	VT
F-C	F3.10	MKS-0103A2	H65	VT
F-C	F3.20	MKS-0103A2	H65	VT
F-C	F3.30	MKS-0103A2	H65	VT
F-C	F3.40	MKS-0103A2	H65	VT
F-C	F3.50	MKS-0103A2	H65	VT
F-C	F3.10	MKS-0103A2	H79	VT
F-C	F3.30	MKS-0103A2	H79	VT
F-C	F3.10	MKS-0103A2	H81	VT
F-C	F3.30	MKS-0103A2	H81	VT
F-C	F3.10	MKS-0103A2	H83	VT
F-C	F3.30	MKS-0103A2	H83	VT
F-C	F3.10	MKS-0112AA1	H38C	VT
F-C	F3.20	MKS-0112AA1	H38C	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.30	MKS-0112AA1	H38C	VT
F-C	F3.10	MKS-0112AA1	H38D	VT
F-C	F3.20	MKS-0112AA1	H38D	VT
F-C	F3.30	MKS-0112AA1	H38D	VT
F-C	F3.40	MKS-0112AA1	H38D	VT
F-C	F3.50	MKS-0112AA1	H38D	VT
F-C	F3.10	MKS-0112AB1	H18	VT
F-C	F3.30	MKS-0112AB1	H18	VT
F-C	F3.40	MKS-0112AB1	H18	VT
F-C	F3.50	MKS-0112AB1	H18	VT
F-C	F3.10	MKS-0112AB1	H19	VT
F-C	F3.10	MKS-0112AB1	H25A	VT
F-C	F3.30	MKS-0112AB1	H25A	VT
F-C	F3.10	MKS-0112AB1	H25E	VT
F-C	F3.30	MKS-0112AB1	H25E	VT
F-C	F3.10	MKS-0112S1	H26	VT
F-C	F3.30	MKS-0112S1	H26	VT
F-C	F3.40	MKS-0112S1	H26	VT
F-C	F3.50	MKS-0112S1	H26	VT
F-C	F3.10	MKS-0112S1	H27	VT
F-C	F3.30	MKS-0112S1	H27	VT
F-C	F3.40	MKS-0112S1	H27	VT
F-C	F3.50	MKS-0112S1	H27	VT
F-C	F3.10	MKS-0112S1	H44	VT
F-C	F3.30	MKS-0112S1	H44	VT
F-C	F3.10	MKS-0112S2	H01	VT
F-C	F3.20	MKS-0112S2	H01	VT
F-C	F3.30	MKS-0112S2	H01	VT
F-C	F3.40	MKS-0112S2	H01	VT
F-C	F3.50	MKS-0112S2	H01	VT
F-C	F3.10	MKS-0112S2	H01A	VT
F-C	F3.20	MKS-0112S2	H01A	VT
F-C	F3.30	MKS-0112S2	H01A	VT
F-C	F3.40	MKS-0112S2	H01A	VT
F-C	F3.50	MKS-0112S2	H01A	VT
F-C	F3.10	MKS-0112S2	H01B	VT
F-C	F3.30	MKS-0112S2	H01B	VT
F-C	F3.40	MKS-0112S2	H01B	VT
F-C	F3.10	MKS-0112S2	H08	VT
F-C	F3.30	MKS-0112S2	H08	VT
F-C	F3.10	MKS-0112S2	H10	VT
F-C	F3.20	MKS-0112S2	H10	VT
F-C	F3.30	MKS-0112S2	H10	VT
F-C	F3.40	MKS-0112S2	H10	VT
F-C	F3.10	MKS-0112S3	H16	VT
F-C	F3.30	MKS-0112S3	H16	VT
F-C	F3.10	MKS-0112S3	H18	VT
F-C	F3.30	MKS-0112S3	H18	VT
F-C	F3.40	MKS-0112S3	H18	VT
F-C	F3.10	MKS-0112S3	H19	VT
F-C	F3.30	MKS-0112S3	H19	VT
F-C	F3.40	MKS-0112S3	H19	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
-C	F3.10	MKS-0112S3	H19A	VT
F-C	F3.10	MKS-0112S3	H23	VT
F-C	F3.30	MKS-0112S3	H23	VT
F-C	F3.10	MKS-0117A1	H02	VT
F-C	F3.30	MKS-0117A1	H02	VT
F-C	F3.40	MKS-0117A1	H02	VT
F-C	F3.50	MKS-0117A1	H02	VT
F-C	F3.10	MKS-0117A1	H03	VT
F-C	F3.30	MKS-0117A1	H03	VT
F-C	F3.40	MKS-0117A1	H03	VT
F-C	F3.50	MKS-0117A1	H03	VT
F-C	F3.10	MKS-0117A1	H05	VT
F-C	F3.30	MKS-0117A1	H05	VT
F-C	F3.40	MKS-0117A1	H05	VT
F-C	F3.50	MKS-0117A1	H05	VT
F-C	F3.10	MKS-0117A1	H06	VT
F-C	F3.30	MKS-0117A1	H06	VT
F-C	F3.40	MKS-0117A1	H06	VT
F-C	F3.50	MKS-0117A1	H06	VT
F-C	F3.10	MKS-0117A1	H07	VT
F-C	F3.30	MKS-0117A1	H07	VT
F-C	F3.40	MKS-0117A1	H07	VT
F-C	F3.50	MKS-0117A1	H07	VT
F-C	F3.10	MKS-0117A1	H08	VT
F-C	F3.30	MKS-0117A1	H08	VT
F-C	F3.40	MKS-0117A1	H08	VT
F-C	F3.50	MKS-0117A1	H08	VT
F-C	F3.10	MKS-0117A1	H09	VT
F-C	F3.30	MKS-0117A1	H09	VT
F-C	F3.40	MKS-0117A1	H09	VT
F-C	F3.50	MKS-0117A1	H09	VT
F-C	F3.10	MKS-0117A1	H10	VT
F-C	F3.30	MKS-0117A1	H10	VT
F-C	F3.40	MKS-0117A1	H10	VT
F-C	F3.50	MKS-0117A1	H10	VT
F-C	F3.10	MKS-0117A1	H11	VT
F-C	F3.30	MKS-0117A1	H11	VT
F-C	F3.40	MKS-0117A1	H11	VT
F-C	F3.50	MKS-0117A1	H11	VT
F-C	F3.30	MKS-0117A1	H13	VT
F-C	F3.40	MKS-0117A1	H13	VT
F-C	F3.50	MKS-0117A1	H13	VT
F-C	F3.10	MKS-0117A1	H14	VT
F-C	F3.30	MKS-0117A1	H14	VT
F-C	F3.40	MKS-0117A1	H14	VT
F-C	F3.50	MKS-0117A1	H14	VT
F-C	F3.10	MKS-0117A1	H15	VT
F-C	F3.10	MKS-0117A1	H15A	VT
F-C	F3.30	MKS-0117A1	H15A	VT
F-C	F3.40	MKS-0117A1	H15A	VT
F-C	F3.50	MKS-0117A1	H15A	VT
-C	F3.10	MKS-0117A1	H16	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.30	MKS-0117A1	H16	VT
F-C	F3.40	MKS-0117A1	H16	VT
F-C	F3.50	MKS-0117A1	H16	VT
F-C	F3.10	MKS-0117A1	H17	VT
F-C	F3.30	MKS-0117A1	H17	VT
F-C	F3.40	MKS-0117A1	H17	VT
F-C	F3.50	MKS-0117A1	H17	VT
F-C	F3.10	MKS-0117A1	H20	VT
F-C	F3.30	MKS-0117A1	H20	VT
F-C	F3.40	MKS-0117A1	H20	VT
F-C	F3.10	MKS-0117A1	H21	VT
F-C	F3.30	MKS-0117A1	H21	VT
F-C	F3.40	MKS-0117A1	H21	VT
F-C	F3.50	MKS-0117A1	H21	VT
F-C	F3.10	MKS-0117A1	H25	VT
F-C	F3.30	MKS-0117A1	H25	VT
F-C	F3.40	MKS-0117A1	H25	VT
F-C	F3.50	MKS-0117A1	H25	VT
F-C	F3.10	MKS-0117A1	H26	VT
F-C	F3.30	MKS-0117A1	H26	VT
F-C	F3.40	MKS-0117A1	H26	VT
F-C	F3.50	MKS-0117A1	H26	VT
F-C	F3.10	MKS-0117A1	H27	VT
F-C	F3.30	MKS-0117A1	H27	VT
F-C	F3.40	MKS-0117A1	H27	VT
F-C	F3.50	MKS-0117A1	H27	VT
F-C	F3.10	MKS-0117A1	H28	VT
F-C	F3.30	MKS-0117A1	H28	VT
F-C	F3.40	MKS-0117A1	H28	VT
F-C	F3.50	MKS-0117A1	H28	VT
F-C	F3.10	MKS-0117A1	H28A	VT
F-C	F3.30	MKS-0117A1	H28A	VT
F-C	F3.40	MKS-0117A1	H28A	VT
F-C	F3.50	MKS-0117A1	H28A	VT
F-C	F3.10	MKS-0117A1	H29	VT
F-C	F3.30	MKS-0117A1	H29	VT
F-C	F3.40	MKS-0117A1	H29	VT
F-C	F3.50	MKS-0117A1	H29	VT
F-C	F3.10	MKS-0117A1	H30	VT
F-C	F3.30	MKS-0117A1	H30	VT
F-C	F3.40	MKS-0117A1	H30	VT
F-C	F3.50	MKS-0117A1	H30	VT
F-C	F3.10	MKS-0117A1	H31	VT
F-C	F3.30	MKS-0117A1	H31	VT
F-C	F3.40	MKS-0117A1	H31	VT
F-C	F3.50	MKS-0117A1	H31	VT
F-C	F3.10	MKS-0117A1	H32	VT
F-C	F3.30	MKS-0117A1	H32	VT
F-C	F3.40	MKS-0117A1	H32	VT
F-C	F3.50	MKS-0117A1	H32	VT
F-C	F3.10	MKS-0117A1	H32A	VT
F-C	F3.30	MKS-0117A1	H32A	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.40	MKS-0117A1	H32A	VT
F-C	F3.50	MKS-0117A1	H32A	VT
F-C	F3.10	MKS-0117A1	H34	VT
F-C	F3.30	MKS-0117A1	H34	VT
F-C	F3.40	MKS-0117A1	H34	VT
F-C	F3.50	MKS-0117A1	H34	VT
F-C	F3.10	MKS-0117A1	H35	VT
F-C	F3.30	MKS-0117A1	H35	VT
F-C	F3.40	MKS-0117A1	H35	VT
F-C	F3.50	MKS-0117A1	H35	VT
F-C	F3.10	MKS-0117A1	H37	VT
F-C	F3.30	MKS-0117A1	H37	VT
F-C	F3.40	MKS-0117A1	H37	VT
F-C	F3.50	MKS-0117A1	H37	VT
F-C	F3.10	MKS-0117B1	H01	VT
F-C	F3.30	MKS-0117B1	H01	VT
F-C	F3.10	MKS-0117B1	H07	VT
F-C	F3.30	MKS-0117B1	H07	VT
F-C	F3.40	MKS-0117B1	H07	VT
F-C	F3.50	MKS-0117B1	H07	VT
F-C	F3.10	MKS-0117B1	H11	VT
F-C	F3.30	MKS-0117B1	H11	VT
F-C	F3.40	MKS-0117B1	H11	VT
F-C	F3.50	MKS-0117B1	H11	VT
F-C	F3.10	MKS-0117B1	H13	VT
F-C	F3.30	MKS-0117B1	H13	VT
F-C	F3.40	MKS-0117B1	H13	VT
F-C	F3.10	MKS-0117B1	H14	VT
F-C	F3.20	MKS-0117B1	H14	VT
F-C	F3.30	MKS-0117B1	H14	VT
F-C	F3.40	MKS-0117B1	H14	VT
F-C	F3.10	MKS-0117B1	H18A	VT
F-C	F3.30	MKS-0117B1	H18A	VT
F-C	F3.40	MKS-0117B1	H18A	VT
F-C	F3.50	MKS-0117B1	H18A	VT
F-C	F3.10	MKS-0117B1	H28	VT
F-C	F3.30	MKS-0117B1	H28	VT
F-C	F3.40	MKS-0117B1	H28	VT
F-C	F3.50	MKS-0117B1	H28	VT
F-C	F3.10	MKS-0118A1	H02	VT
F-C	F3.20	MKS-0118A1	H02	VT
F-C	F3.30	MKS-0118A1	H02	VT
F-C	F3.40	MKS-0118A1	H02	VT
F-C	F3.50	MKS-0118A1	H02	VT
F-C	F3.10	MKS-0118A1	H03	VT
F-C	F3.20	MKS-0118A1	H03	VT
F-C	F3.30	MKS-0118A1	H03	VT
F-C	F3.40	MKS-0118A1	H03	VT
F-C	F3.50	MKS-0118A1	H03	VT
F-C	F3.10	MKS-0118A1	H04	VT
F-C	F3.20	MKS-0118A1	H04	VT
F-C	F3.30	MKS-0118A1	H04	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.40	MKS-0118A1	H04	VT
F-C	F3.50	MKS-0118A1	H04	VT
F-C	F3.10	MKS-0118A1	H08	VT
F-C	F3.20	MKS-0118A1	H08	VT
F-C	F3.10	MKS-0118A2	H05	VT
F-C	F3.20	MKS-0118A2	H05	VT
F-C	F3.30	MKS-0118A2	H05	VT
F-C	F3.40	MKS-0118A2	H05	VT
F-C	F3.50	MKS-0118A2	H05	VT
F-C	F3.10	MKS-0118A2	H06	VT
F-C	F3.20	MKS-0118A2	H06	VT
F-C	F3.30	MKS-0118A2	H06	VT
F-C	F3.40	MKS-0118A2	H06	VT
F-C	F3.50	MKS-0118A2	H06	VT
F-C	F3.10	MKS-0118A2	H29	VT
F-C	F3.20	MKS-0118A2	H29	VT
F-C	F3.30	MKS-0118A2	H29	VT
F-C	F3.10	MKS-0118A2	H32	VT
F-C	F3.20	MKS-0118A2	H32	VT
F-C	F3.30	MKS-0118A2	H32	VT
F-C	F3.10	MKS-0119A1	H01	VT
F-C	F3.30	MKS-0119A1	H01	VT
F-C	F3.10	MKS-0119A1	H02	VT
F-C	F3.20	MKS-0119A1	H02	VT
F-C	F3.30	MKS-0119A1	H02	VT
F-C	F3.40	MKS-0119A1	H02	VT
F-C	F3.50	MKS-0119A1	H02	VT
F-C	F3.10	MKS-0119A2	H01	VT
F-C	F3.30	MKS-0119A2	H01	VT
F-C	F3.10	MKS-0119A2	H02	VT
F-C	F3.20	MKS-0119A2	H02	VT
F-C	F3.30	MKS-0119A2	H02	VT
F-C	F3.40	MKS-0119A2	H02	VT
F-C	F3.50	MKS-0119A2	H02	VT
F-C	F3.10	MKS-0122H1	H08	VT
F-C	F3.30	MKS-0122H1	H08	VT
F-C	F3.10	MKS-0122H1	H08A	VT
F-C	F3.30	MKS-0122H1	H08A	VT
F-C	F3.10	MKS-0122H1	H08B	VT
F-C	F3.20	MKS-0122H1	H08B	VT
F-C	F3.30	MKS-0122H1	H08B	VT
F-C	F3.10	MKS-0122H1	H08C	VT
F-C	F3.30	MKS-0122H1	H08C	VT
F-C	F3.10	MKS-0122H1	H09	VT
F-C	F3.20	MKS-0122H1	H09	VT
F-C	F3.30	MKS-0122H1	H09	VT
F-C	F3.10	MKS-0122H1	H10	VT
F-C	F3.30	MKS-0122H1	H10	VT
F-C	F3.10	MKS-0122H1	H11	VT
F-C	F3.30	MKS-0122H1	H11	VT
F-C	F3.10	MKS-0122H1	H12	VT
F-C	F3.20	MKS-0122H1	H12	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.30	MKS-0122H1	H12	VT
F-C	F3.10	MKS-0122H1	H12A	VT
F-C	F3.20	MKS-0122H1	H12A	VT
F-C	F3.30	MKS-0122H1	H12A	VT
F-C	F3.10	MKS-0122H1	H13	VT
F-C	F3.30	MKS-0122H1	H13	VT
F-C	F3.10	MKS-0122H1	H14	VT
F-C	F3.10	MKS-0122H1	H17	VT
F-C	F3.30	MKS-0122H1	H17	VT
F-C	F3.40	MKS-0122H1	H17	VT
F-C	F3.10	MKS-0122H1	H18	VT
F-C	F3.20	MKS-0122H1	H18	VT
F-C	F3.30	MKS-0122H1	H18	VT
F-C	F3.40	MKS-0122H1	H18	VT
F-C	F3.50	MKS-0122H1	H18	VT
F-C	F3.10	MKS-0122H1	H19	VT
F-C	F3.20	MKS-0122H1	H19	VT
F-C	F3.30	MKS-0122H1	H19	VT
F-C	F3.40	MKS-0122H1	H19	VT
F-C	F3.10	MKS-0122H1	H20	VT
F-C	F3.30	MKS-0122H1	H20	VT
F-C	F3.40	MKS-0122H1	H20	VT
F-C	F3.50	MKS-0122H1	H20	VT
F-C	F3.10	MKS-0122J1	H04	VT
F-C	F3.30	MKS-0122J1	H04	VT
F-C	F3.40	MKS-0122J1	H04	VT
F-C	F3.50	MKS-0122J1	H04	VT
F-C	F3.10	MKS-0122J1	H05	VT
F-C	F3.20	MKS-0122J1	H05	VT
F-C	F3.30	MKS-0122J1	H05	VT
F-C	F3.40	MKS-0122J1	H05	VT
F-C	F3.10	MKS-0122J1	H06	VT
F-C	F3.30	MKS-0122J1	H06	VT
F-C	F3.40	MKS-0122J1	H06	VT
F-C	F3.50	MKS-0122J1	H06	VT
F-C	F3.10	MKS-0122K1	H01A	VT
F-C	F3.10	MKS-0122K1	H08	VT
F-C	F3.20	MKS-0122K1	H08	VT
F-C	F3.30	MKS-0122K1	H08	VT
F-C	F3.10	MKS-0122K1	H11	VT
F-C	F3.20	MKS-0122K1	H11	VT
F-C	F3.30	MKS-0122K1	H11	VT
F-C	F3.40	MKS-0122K1	H11	VT
F-C	F3.10	MKS-0123E1	H50	VT
F-C	F3.20	MKS-0123E1	H50	VT
F-C	F3.20	MKS-0123E1	H50	VT
F-C	F3.20	MKS-0123E1	H50	VT
F-C	F3.30	MKS-0123E1	H50	VT
F-C	F3.10	MKS-0123E1	H98	VT
F-C	F3.20	MKS-0123E1	H98	VT
F-C	F3.30	MKS-0123E1	H98	VT
F-C	F3.10	MKS-0123G1	H103	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.30	MKS-0123G1	H103	VT
F-C	F3.40	MKS-0123G1	H103	VT
F-C	F3.50	MKS-0123G1	H103	VT
F-C	F3.10	MKS-0123G1	H104	VT
F-C	F3.30	MKS-0123G1	H104	VT
F-C	F3.40	MKS-0123G1	H104	VT
F-C	F3.50	MKS-0123G1	H104	VT
F-C	F3.10	MKS-0123G1	H67	VT
F-C	F3.20	MKS-0123G1	H67	VT
F-C	F3.30	MKS-0123G1	H67	VT
F-C	F3.40	MKS-0123G1	H67	VT
F-C	F3.10	MKS-0123G1	H68	VT
F-C	F3.20	MKS-0123G1	H68	VT
F-C	F3.30	MKS-0123G1	H68	VT
F-C	F3.40	MKS-0123G1	H68	VT
F-C	F3.10	MKS-0123G1	H68A	VT
F-C	F3.20	MKS-0123G1	H68A	VT
F-C	F3.30	MKS-0123G1	H68A	VT
F-C	F3.10	MKS-0123G1	H96	VT
F-C	F3.20	MKS-0123G1	H96	VT
F-C	F3.30	MKS-0123G1	H96	VT
F-C	F3.40	MKS-0123G1	H96	VT
F-C	F3.50	MKS-0123G1	H96	VT
F-C	F3.10	MKS-0123G2	H01	VT
F-C	F3.20	MKS-0123G2	H01	VT
F-C	F3.30	MKS-0123G2	H01	VT
F-C	F3.40	MKS-0123G2	H01	VT
F-C	F3.50	MKS-0123G2	H01	VT
F-C	F3.10	MKS-0123G2	H01A	VT
F-C	F3.10	MKS-0123G2	H02	VT
F-C	F3.30	MKS-0123G2	H02	VT
F-C	F3.40	MKS-0123G2	H02	VT
F-C	F3.50	MKS-0123G2	H02	VT
F-C	F3.10	MKS-0123G2	H03	VT
F-C	F3.20	MKS-0123G2	H03	VT
F-C	F3.30	MKS-0123G2	H03	VT
F-C	F3.40	MKS-0123G2	H03	VT
F-C	F3.10	MKS-0123H1	H01	VT
F-C	F3.20	MKS-0123H1	H01	VT
F-C	F3.30	MKS-0123H1	H01	VT
F-C	F3.10	MKS-0123H1	H05	VT
F-C	F3.20	MKS-0123H1	H05	VT
F-C	F3.30	MKS-0123H1	H05	VT
F-C	F3.10	MKS-0123H1	H11	VT
F-C	F3.20	MKS-0123H1	H11	VT
F-C	F3.30	MKS-0123H1	H11	VT
F-C	F3.10	MKS-0123H2	H03	VT
F-C	F3.20	MKS-0123H2	H03	VT
F-C	F3.30	MKS-0123H2	H03	VT
F-C	F3.10	MKS-0123H2	H09	VT
F-C	F3.20	MKS-0123H2	H09	VT
F-C	F3.30	MKS-0123H2	H09	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-0123N1	H02	VT
F-C	F3.20	MKS-0123N1	H02	VT
F-C	F3.30	MKS-0123N1	H02	VT
F-C	F3.10	MKS-0123Q1	H54	VT
F-C	F3.30	MKS-0123Q1	H54	VT
F-C	F3.10	MKS-0123Q1	H57	VT
F-C	F3.20	MKS-0123Q1	H57	VT
F-C	F3.10	MKS-0123Q1	H58	VT
F-C	F3.30	MKS-0123Q1	H58	VT
F-C	F3.10	MKS-0123Q1	H59	VT
F-C	F3.20	MKS-0123Q1	H59	VT
F-C	F3.30	MKS-0123Q1	H59	VT
F-C	F3.40	MKS-0123Q1	H59	VT
F-C	F3.50	MKS-0123Q1	H59	VT
F-C	F3.10	MKS-0123Q1	H61	VT
F-C	F3.20	MKS-0123Q1	H61	VT
F-C	F3.30	MKS-0123Q1	H61	VT
F-C	F3.40	MKS-0123Q1	H61	VT
F-C	F3.10	MKS-0123Q1	H62	VT
F-C	F3.30	MKS-0123Q1	H62	VT
F-C	F3.10	MKS-0123Q2	H63	VT
F-C	F3.20	MKS-0123Q2	H63	VT
F-C	F3.30	MKS-0123Q2	H63	VT
F-C	F3.10	MKS-0123Q2	H63A	VT
F-C	F3.20	MKS-0123Q2	H63A	VT
F-C	F3.30	MKS-0123Q2	H63A	VT
F-C	F3.10	MKS-0123Q2	H88	VT
F-C	F3.10	MKS-0123Q2	H89	VT
F-C	F3.10	MKS-0123Q2	H90	VT
F-C	F3.10	MKS-0123Q2	H91	VT
F-C	F3.10	MKS-0123Q2	H93	VT
F-C	F3.10	MKS-0123Q2	H94A	VT
F-C	F3.10	MKS-0124A1	H02	VT
F-C	F3.30	MKS-0124A1	H02	VT
F-C	F3.40	MKS-0124A1	H02	VT
F-C	F3.50	MKS-0124A1	H02	VT
F-C	F3.10	MKS-0124A1	H04	VT
F-C	F3.20	MKS-0124A1	H04	VT
F-C	F3.30	MKS-0124A1	H04	VT
F-C	F3.40	MKS-0124A1	H04	VT
F-C	F3.50	MKS-0124A1	H04	VT
F-C	F3.10	MKS-0124A1	H06	VT
F-C	F3.20	MKS-0124A1	H06	VT
F-C	F3.30	MKS-0124A1	H06	VT
F-C	F3.40	MKS-0124A1	H06	VT
F-C	F3.50	MKS-0124A1	H06	VT
F-C	F3.10	MKS-0124A1	H09	VT
F-C	F3.20	MKS-0124A1	H09	VT
F-C	F3.30	MKS-0124A1	H09	VT
F-C	F3.40	MKS-0124A1	H09	VT
F-C	F3.50	MKS-0124A1	H09	VT
F-C	F3.30	MKS-0124A1	H10	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-0124A1	H11	VT
F-C	F3.30	MKS-0124A1	H11	VT
F-C	F3.10	MKS-0124A1	H12	VT
F-C	F3.20	MKS-0124A1	H12	VT
F-C	F3.30	MKS-0124A1	H12	VT
F-C	F3.40	MKS-0124A1	H12	VT
F-C	F3.50	MKS-0124A1	H12	VT
F-C	F3.10	MKS-0124A1	H13	VT
F-C	F3.20	MKS-0124A1	H13	VT
F-C	F3.30	MKS-0124A1	H13	VT
F-C	F3.40	MKS-0124A1	H13	VT
F-C	F3.50	MKS-0124A1	H13	VT
F-C	F3.10	MKS-0124A1	H15	VT
F-C	F3.20	MKS-0124A1	H15	VT
F-C	F3.30	MKS-0124A1	H15	VT
F-C	F3.40	MKS-0124A1	H15	VT
F-C	F3.50	MKS-0124A1	H15	VT
F-C	F3.10	MKS-0124A1	H17	VT
F-C	F3.30	MKS-0124A1	H17	VT
F-C	F3.10	MKS-0124A1	H18	VT
F-C	F3.20	MKS-0124A1	H18	VT
F-C	F3.30	MKS-0124A1	H18	VT
F-C	F3.40	MKS-0124A1	H18	VT
F-C	F3.50	MKS-0124A1	H18	VT
F-C	F3.10	MKS-0125A1	H05	VT
F-C	F3.30	MKS-0125A1	H05	VT
F-C	F3.10	MKS-0125A1	H07	VT
F-C	F3.30	MKS-0125A1	H07	VT
F-C	F3.40	MKS-0125A1	H07	VT
F-C	F3.50	MKS-0125A1	H07	VT
F-C	F3.10	MKS-0125A1	H09	VT
F-C	F3.30	MKS-0125A1	H09	VT
F-C	F3.40	MKS-0125A1	H09	VT
F-C	F3.50	MKS-0125A1	H09	VT
F-C	F3.10	MKS-0125A1	H10	VT
F-C	F3.30	MKS-0125A1	H10	VT
F-C	F3.40	MKS-0125A1	H10	VT
F-C	F3.50	MKS-0125A1	H10	VT
F-C	F3.10	MKS-0125A1	H11	VT
F-C	F3.30	MKS-0125A1	H11	VT
F-C	F3.10	MKS-0125A1	H12	VT
F-C	F3.30	MKS-0125A1	H12	VT
F-C	F3.10	MKS-0125A1	H13	VT
F-C	F3.30	MKS-0125A1	H13	VT
F-C	F3.40	MKS-0125A1	H13	VT
F-C	F3.10	MKS-0125A1	H14	VT
F-C	F3.30	MKS-0125A1	H14	VT
F-C	F3.40	MKS-0125A1	H14	VT
F-C	F3.50	MKS-0125A1	H14	VT
F-C	F3.10	MKS-0125A1	H21	VT
F-C	F3.30	MKS-0125A1	H21	VT
F-C	F3.40	MKS-0125A1	H21	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-0125A1	H24	VT
F-C	F3.30	MKS-0125A1	H24	VT
F-C	F3.40	MKS-0125A1	H24	VT
F-C	F3.50	MKS-0125A1	H24	VT
F-C	F3.10	MKS-0125A1	H32	VT
F-C	F3.20	MKS-0125A1	H32	VT
F-C	F3.30	MKS-0125A1	H32	VT
F-C	F3.10	MKS-0125A1	H36	VT
F-C	F3.20	MKS-0125A1	H36	VT
F-C	F3.30	MKS-0125A1	H36	VT
F-C	F3.10	MKS-0125A1	H37	VT
F-C	F3.20	MKS-0125A1	H37	VT
F-C	F3.30	MKS-0125A1	H37	VT
F-C	F3.40	MKS-0125A1	H37	VT
F-C	F3.50	MKS-0125A1	H37	VT
F-C	F3.10	MKS-0125A1	H38	VT
F-C	F3.20	MKS-0125A1	H38	VT
F-C	F3.30	MKS-0125A1	H38	VT
F-C	F3.10	MKS-0127G1	H01	VT
F-C	F3.20	MKS-0127G1	H01	VT
F-C	F3.30	MKS-0127G1	H01	VT
F-C	F3.10	MKS-0127G1	H03	VT
F-C	F3.20	MKS-0127G1	H03	VT
F-C	F3.30	MKS-0127G1	H03	VT
F-C	F3.10	MKS-0127G1	H04	VT
F-C	F3.30	MKS-0127G1	H04	VT
F-C	F3.10	MKS-0127G1	H06	VT
F-C	F3.30	MKS-0127G1	H06	VT
F-C	F3.10	MKS-0127G1	H08	VT
F-C	F3.30	MKS-0127G1	H08	VT
F-C	F3.40	MKS-0127G1	H08	VT
F-C	F3.50	MKS-0127G1	H08	VT
F-C	F3.10	MKS-0127G1	H09	VT
F-C	F3.20	MKS-0127G1	H09	VT
F-C	F3.30	MKS-0127G1	H09	VT
F-C	F3.40	MKS-0127G1	H09	VT
F-C	F3.50	MKS-0127G1	H09	VT
F-C	F3.10	MKS-0127G1	H10	VT
F-C	F3.20	MKS-0127G1	H10	VT
F-C	F3.30	MKS-0127G1	H10	VT
F-C	F3.40	MKS-0127G1	H10	VT
F-C	F3.10	MKS-0127G1	H12	VT
F-C	F3.20	MKS-0127G1	H12	VT
F-C	F3.30	MKS-0127G1	H12	VT
F-C	F3.40	MKS-0127G1	H12	VT
F-C	F3.50	MKS-0127G1	H12	VT
F-C	F3.10	MKS-0127G1	H13	VT
F-C	F3.20	MKS-0127G1	H13	VT
F-C	F3.30	MKS-0127G1	H13	VT
F-C	F3.40	MKS-0127G1	H13	VT
F-C	F3.50	MKS-0127G1	H13	VT
F-C	F3.10	MKS-0127G1	H14	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.20	MKS-0127G1	H14	VT
F-C	F3.30	MKS-0127G1	H14	VT
F-C	F3.40	MKS-0127G1	H14	VT
F-C	F3.50	MKS-0127G1	H14	VT
F-C	F3.10	MKS-0127G1	H15	VT
F-C	F3.20	MKS-0127G1	H15	VT
F-C	F3.30	MKS-0127G1	H15	VT
F-C	F3.40	MKS-0127G1	H15	VT
F-C	F3.50	MKS-0127G1	H15	VT
F-C	F3.10	MKS-0127G1	H16	VT
F-C	F3.30	MKS-0127G1	H16	VT
F-C	F3.10	MKS-0127G1	H17	VT
F-C	F3.30	MKS-0127G1	H17	VT
F-C	F3.10	MKS-0127G1	H18	VT
F-C	F3.30	MKS-0127G1	H18	VT
F-C	F3.10	MKS-0127G1	H19	VT
F-C	F3.30	MKS-0127G1	H19	VT
F-C	F3.10	MKS-0127G1	H20	VT
F-C	F3.30	MKS-0127G1	H20	VT
F-C	F3.10	MKS-0127G1	H21A	VT
F-C	F3.30	MKS-0127G1	H21A	VT
F-C	F3.10	MKS-0127G1	H48A	VT
F-C	F3.20	MKS-0127G1	H48A	VT
F-C	F3.30	MKS-0127G1	H48A	VT
F-C	F3.40	MKS-0127G1	H48A	VT
F-C	F3.10	MKS-0127G2	H25A	VT
F-C	F3.30	MKS-0127G2	H25A	VT
F-C	F3.10	MKS-0127G2	H30	VT
F-C	F3.30	MKS-0127G2	H30	VT
F-C	F3.10	MKS-0127G2	H31	VT
F-C	F3.30	MKS-0127G2	H31	VT
F-C	F3.10	MKS-0127G2	H32	VT
F-C	F3.30	MKS-0127G2	H32	VT
F-C	F3.10	MKS-0127G2	H33	VT
F-C	F3.30	MKS-0127G2	H33	VT
F-C	F3.10	MKS-0127G2	H34	VT
F-C	F3.30	MKS-0127G2	H34	VT
F-C	F3.10	MKS-0127G2	H35	VT
F-C	F3.30	MKS-0127G2	H35	VT
F-C	F3.10	MKS-0127G2	H36A	VT
F-C	F3.30	MKS-0127G2	H36A	VT
F-C	F3.10	MKS-0127G2	H38	VT
F-C	F3.30	MKS-0127G2	H38	VT
F-C	F3.10	MKS-0127G2	H38A	VT
F-C	F3.20	MKS-0127G2	H38A	VT
F-C	F3.30	MKS-0127G2	H38A	VT
F-C	F3.10	MKS-0127G2	H39	VT
F-C	F3.30	MKS-0127G2	H39	VT
F-C	F3.10	MKS-0127G2	H40	VT
F-C	F3.30	MKS-0127G2	H40	VT
F-C	F3.10	MKS-0127G2	H41	VT
F-C	F3.30	MKS-0127G2	H41	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-0127G2	H42	VT
F-C	F3.30	MKS-0127G2	H42	VT
F-C	F3.10	MKS-0127G2	H43	VT
F-C	F3.30	MKS-0127G2	H43	VT
F-C	F3.10	MKS-0127G2	H44A	VT
F-C	F3.30	MKS-0127G2	H44A	VT
F-C	F3.10	MKS-0127J1	H02	VT
F-C	F3.30	MKS-0127J1	H02	VT
F-C	F3.10	MKS-0127J1	H04	VT
F-C	F3.30	MKS-0127J1	H04	VT
F-C	F3.10	MKS-0127J2	H02	VT
F-C	F3.20	MKS-0127J2	H02	VT
F-C	F3.30	MKS-0127J2	H02	VT
F-C	F3.10	MKS-0127J2	H05	VT
F-C	F3.30	MKS-0127J2	H05	VT
F-C	F3.10	MKS-0127J3	H02	VT
F-C	F3.20	MKS-0127J3	H02	VT
F-C	F3.30	MKS-0127J3	H02	VT
F-C	F3.10	MKS-0127J3	H03	VT
F-C	F3.30	MKS-0127J3	H03	VT
F-C	F3.10	MKS-0127J4	H04	VT
F-C	F3.20	MKS-0127J4	H04	VT
F-C	F3.30	MKS-0127J4	H04	VT
F-C	F3.10	MKS-0127J5	H13	VT
F-C	F3.20	MKS-0127J5	H13	VT
F-C	F3.30	MKS-0127J5	H13	VT
F-C	F3.10	MKS-1021A15	H07	VT
F-C	F3.30	MKS-1021A15	H07	VT
F-C	F3.10	MKS-1021A15	H08	VT
F-C	F3.30	MKS-1021A15	H08	VT
F-C	F3.10	MKS-1021A15	H09	VT
F-C	F3.30	MKS-1021A15	H09	VT
F-C	F3.10	MKS-1021A15	H10	VT
F-C	F3.30	MKS-1021A15	H10	VT
F-C	F3.10	MKS-1021A15	H11	VT
F-C	F3.30	MKS-1021A15	H11	VT
F-C	F3.10	MKS-1021A15	H12	VT
F-C	F3.30	MKS-1021A15	H12	VT
F-C	F3.10	MKS-1021A15	H13	VT
F-C	F3.30	MKS-1021A15	H13	VT
F-C	F3.10	MKS-1021A15	H14	VT
F-C	F3.30	MKS-1021A15	H14	VT
F-C	F3.10	MKS-1021A15	H15	VT
F-C	F3.30	MKS-1021A15	H15	VT
F-C	F3.10	MKS-1021A15	H16	VT
F-C	F3.30	MKS-1021A15	H16	VT
F-C	F3.10	MKS-1021A15	H17	VT
F-C	F3.30	MKS-1021A15	H17	VT
F-C	F3.10	MKS-1021A15	H18	VT
F-C	F3.30	MKS-1021A15	H18	VT
F-C	F3.10	MKS-1021A16	H04	VT
F-C	F3.30	MKS-1021A16	H04	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-1021A16	H05	VT
F-C	F3.30	MKS-1021A16	H05	VT
F-C	F3.10	MKS-1021A16	H06	VT
F-C	F3.30	MKS-1021A16	H06	VT
F-C	F3.10	MKS-1021A16	H07	VT
F-C	F3.30	MKS-1021A16	H07	VT
F-C	F3.10	MKS-1021B9	H09	VT
F-C	F3.30	MKS-1021B9	H09	VT
F-C	F3.10	MKS-1021B9	H10	VT
F-C	F3.30	MKS-1021B9	H10	VT
F-C	F3.10	MKS-1021B9	H11	VT
F-C	F3.30	MKS-1021B9	H11	VT
F-C	F3.10	MKS-1021B9	H16	VT
F-C	F3.30	MKS-1021B9	H16	VT
F-C	F3.10	MKS-1021B9	H17	VT
F-C	F3.30	MKS-1021B9	H17	VT
F-C	F3.10	MKS-1021B9	H18	VT
F-C	F3.30	MKS-1021B9	H18	VT
F-C	F3.10	MKS-1021B9	H19	VT
F-C	F3.30	MKS-1021B9	H19	VT
F-C	F3.10	MKS-1021B9	H20	VT
F-C	F3.30	MKS-1021B9	H20	VT
F-C	F3.10	MKS-1021B10	H12	VT
F-C	F3.30	MKS-1021B10	H12	VT
F-C	F3.10	MKS-1021B10	H13	VT
F-C	F3.30	MKS-1021B10	H13	VT
F-C	F3.10	MKS-1021B10	H14	VT
F-C	F3.30	MKS-1021B10	H14	VT
F-C	F3.10	MKS-1021B10	H15	VT
F-C	F3.30	MKS-1021B10	H15	VT
F-C	F3.20	MKS-2018A5	H04	VT
F-C	F3.30	MKS-2018A5	H04	VT
F-C	F3.40	MKS-2018A5	H04	VT
F-C	F3.10	MKS-2018A5	H06	VT
F-C	F3.20	MKS-2018A5	H06	VT
F-C	F3.30	MKS-2018A5	H06	VT
F-C	F3.40	MKS-2018A5	H06	VT
F-C	F3.10	MKS-2018A5	H07	VT
F-C	F3.30	MKS-2018A5	H07	VT
F-C	F3.40	MKS-2018A5	H07	VT
F-C	F3.10	MKS-2018A5	H08	VT
F-C	F3.30	MKS-2018A5	H08	VT
F-C	F3.40	MKS-2018A5	H08	VT
F-C	F3.10	MKS-2018A5	H09	VT
F-C	F3.30	MKS-2018A5	H09	VT
F-C	F3.40	MKS-2018A5	H09	VT
F-C	F3.10	MKS-2018A5	H10	VT
F-C	F3.30	MKS-2018A5	H10	VT
F-C	F3.40	MKS-2018A5	H10	VT
F-C	F3.10	MKS-2018A5	H11	VT
F-C	F3.30	MKS-2018A5	H11	VT
F-C	F3.40	MKS-2018A5	H11	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-2018A5	H12	VT
F-C	F3.30	MKS-2018A5	H12	VT
F-C	F3.40	MKS-2018A5	H12	VT
F-C	F3.10	MKS-2018A5	H13	VT
F-C	F3.30	MKS-2018A5	H13	VT
F-C	F3.40	MKS-2018A5	H13	VT
F-C	F3.10	MKS-2018A5	H14	VT
F-C	F3.30	MKS-2018A5	H14	VT
F-C	F3.40	MKS-2018A5	H14	VT
F-C	F3.10	MKS-2018A5	H15	VT
F-C	F3.30	MKS-2018A5	H15	VT
F-C	F3.40	MKS-2018A5	H15	VT
F-C	F3.10	MKS-2018A5	H16	VT
F-C	F3.30	MKS-2018A5	H16	VT
F-C	F3.40	MKS-2018A5	H16	VT
F-C	F3.10	MKS-2018A5	H17	VT
F-C	F3.30	MKS-2018A5	H17	VT
F-C	F3.40	MKS-2018A5	H17	VT
F-C	F3.10	MKS-2018A5	H18	VT
F-C	F3.30	MKS-2018A5	H18	VT
F-C	F3.40	MKS-2018A5	H18	VT
F-C	F3.10	MKS-2018A5	H19	VT
F-C	F3.30	MKS-2018A5	H19	VT
F-C	F3.40	MKS-2018A5	H19	VT
F-C	F3.10	MKS-2018A5	H20	VT
F-C	F3.30	MKS-2018A5	H20	VT
F-C	F3.40	MKS-2018A5	H20	VT
F-C	F3.10	MKS-2018A5	H21	VT
F-C	F3.30	MKS-2018A5	H21	VT
F-C	F3.40	MKS-2018A5	H21	VT
F-C	F3.10	MKS-2018A5	H22	VT
F-C	F3.10	MKS-2018A5	H23	VT
F-C	F3.30	MKS-2018A5	H23	VT
F-C	F3.10	MKS-2018A5	H04	VT
F-C	F3.10	MKS-2021A25	H01	VT
F-C	F3.30	MKS-2021A25	H01	VT
F-C	F3.10	MKS-2022A2	H21	VT
F-C	F3.30	MKS-2022A2	H21	VT
F-C	F3.10	MKS-2022A3	H10	VT
F-C	F3.30	MKS-2022A3	H10	VT
F-C	F3.10	MKS-2022B2	H10	VT
F-C	F3.30	MKS-2022B2	H10	VT
F-C	F3.10	MKS-2022B3	H06	VT
F-C	F3.30	MKS-2022B3	H06	VT
F-C	F3.10	MKS-2025A1	H01	VT
F-C	F3.30	MKS-2025A1	H01	VT
F-C	F3.10	MKS-2025A1	H02	VT
F-C	F3.30	MKS-2025A1	H02	VT
F-C	F3.10	MKS-2025A1	H03	VT
F-C	F3.30	MKS-2025A1	H03	VT
F-C	F3.10	MKS-2025A1	H04	VT
F-C	F3.30	MKS-2025A1	H04	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-2025A1	H05	VT
F-C	F3.30	MKS-2025A1	H05	VT
F-C	F3.10	MKS-2025A1	H06	VT
F-C	F3.30	MKS-2025A1	H06	VT
F-C	F3.10	MKS-2025A1	H07	VT
F-C	F3.30	MKS-2025A1	H07	VT
F-C	F3.10	MKS-2025A1	H08	VT
F-C	F3.30	MKS-2025A1	H08	VT
F-C	F3.10	MKS-2025A1	H09	VT
F-C	F3.30	MKS-2025A1	H09	VT
F-C	F3.10	MKS-2025A1	H10	VT
F-C	F3.30	MKS-2025A1	H10	VT
F-C	F3.40	MKS-2025A1	H10	VT
F-C	F3.10	MKS-2025A1	H11	VT
F-C	F3.30	MKS-2025A1	H11	VT
F-C	F3.40	MKS-2025A1	H11	VT
F-C	F3.10	MKS-2025A1	H12	VT
F-C	F3.30	MKS-2025A1	H12	VT
F-C	F3.10	MKS-2025A1	H13	VT
F-C	F3.30	MKS-2025A1	H13	VT
F-C	F3.10	MKS-2025A1	H14	VT
F-C	F3.30	MKS-2025A1	H14	VT
F-C	F3.10	MKS-2025A1	H15	VT
F-C	F3.30	MKS-2025A1	H15	VT
F-C	F3.10	MKS-2025A1	H16	VT
F-C	F3.30	MKS-2025A1	H16	VT
F-C	F3.10	MKS-2025A1	H17	VT
F-C	F3.30	MKS-2025A1	H17	VT
F-C	F3.10	MKS-2025A1	H18	VT
F-C	F3.30	MKS-2025A1	H18	VT
F-C	F3.10	MKS-2025A1	H19	VT
F-C	F3.30	MKS-2025A1	H19	VT
F-C	F3.10	MKS-2025A1	H20	VT
F-C	F3.30	MKS-2025A1	H20	VT
F-C	F3.10	MKS-2025A2	H01	VT
F-C	F3.30	MKS-2025A2	H01	VT
F-C	F3.10	MKS-2025A2	H02	VT
F-C	F3.30	MKS-2025A2	H02	VT
F-C	F3.10	MKS-2025A2	H03	VT
F-C	F3.30	MKS-2025A2	H03	VT
F-C	F3.10	MKS-2025A2	H04	VT
F-C	F3.30	MKS-2025A2	H04	VT
F-C	F3.10	MKS-2045A1	H02	VT
F-C	F3.30	MKS-2045A1	H02	VT
F-C	F3.10	MKS-2045A1	H03	VT
F-C	F3.30	MKS-2045A1	H03	VT
F-C	F3.10	MKS-2045A1	H04	VT
F-C	F3.30	MKS-2045A1	H04	VT
F-C	F3.40	MKS-2045A1	H04	VT
F-C	F3.50	MKS-2045A1	H04	VT
F-C	F3.10	MKS-2045A2	H01	VT
F-C	F3.30	MKS-2045A2	H01	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-2045A2	H02	VT
F-C	F3.20	MKS-2045A2	H02	VT
F-C	F3.30	MKS-2045A2	H02	VT
F-C	F3.10	MKS-2045A2	H03	VT
F-C	F3.20	MKS-2045A2	H03	VT
F-C	F3.30	MKS-2045A2	H03	VT
F-C	F3.10	MKS-2045A2	H04	VT
F-C	F3.20	MKS-2045A2	H04	VT
F-C	F3.30	MKS-2045A2	H04	VT
F-C	F3.10	MKS-2045A2	H05	VT
F-C	F3.20	MKS-2045A2	H05	VT
F-C	F3.30	MKS-2045A2	H05	VT
F-C	F3.10	MKS-2045A2	H06	VT
F-C	F3.20	MKS-2045A2	H06	VT
F-C	F3.30	MKS-2045A2	H06	VT
F-C	F3.10	MKS-2045A2	H07	VT
F-C	F3.20	MKS-2045A2	H07	VT
F-C	F3.30	MKS-2045A2	H07	VT
F-C	F3.10	MKS-2045A3	H08	VT
F-C	F3.20	MKS-2045A3	H08	VT
F-C	F3.30	MKS-2045A3	H08	VT
F-C	F3.10	MKS-2045A4	H07	VT
F-C	F3.20	MKS-2045A4	H07	VT
F-C	F3.30	MKS-2045A4	H07	VT
F-C	F3.10	MKS-2045A4	H08	VT
F-C	F3.20	MKS-2045A4	H08	VT
F-C	F3.30	MKS-2045A4	H08	VT
F-C	F3.10	MKS-2045A4	H15	VT
F-C	F3.20	MKS-2045A4	H15	VT
F-C	F3.30	MKS-2045A4	H15	VT
F-C	F3.10	MKS-2045A5	H01	VT
F-C	F3.20	MKS-2045A5	H01	VT
F-C	F3.30	MKS-2045A5	H01	VT
F-C	F3.10	MKS-2045A5	H02	VT
F-C	F3.20	MKS-2045A5	H02	VT
F-C	F3.30	MKS-2045A5	H02	VT
F-C	F3.10	MKS-2045A5	H03	VT
F-C	F3.20	MKS-2045A5	H03	VT
F-C	F3.30	MKS-2045A5	H03	VT
F-C	F3.10	MKS-2045A5	H04	VT
F-C	F3.20	MKS-2045A5	H04	VT
F-C	F3.30	MKS-2045A5	H04	VT
F-C	F3.10	MKS-2045A5	H05	VT
F-C	F3.20	MKS-2045A5	H05	VT
F-C	F3.30	MKS-2045A5	H05	VT
F-C	F3.10	MKS-2045A5	H12	VT
F-C	F3.20	MKS-2045A5	H12	VT
F-C	F3.30	MKS-2045A5	H12	VT
F-C	F3.10	MKS-2045A7	H01	VT
F-C	F3.20	MKS-2045A7	H01	VT
F-C	F3.30	MKS-2045A7	H01	VT
F-C	F3.10	MKS-2045A7	H04	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.20	MKS-2045A7	H04	VT
F-C	F3.30	MKS-2045A7	H04	VT
F-C	F3.10	MKS-2045A7	H05	VT
F-C	F3.20	MKS-2045A7	H05	VT
F-C	F3.30	MKS-2045A7	H05	VT
F-C	F3.10	MKS-2101A15	H01	VT
F-C	F3.20	MKS-2101A15	H01	VT
F-C	F3.30	MKS-2101A15	H01	VT
F-C	F3.10	MKS-2101A15	H02	VT
F-C	F3.20	MKS-2101A15	H02	VT
F-C	F3.30	MKS-2101A15	H02	VT
F-C	F3.10	MKS-2114A5	H03	VT
F-C	F3.30	MKS-2114A5	H03	VT
F-C	F3.10	MKS-2114A5	H04	VT
F-C	F3.30	MKS-2114A5	H04	VT
F-C	F3.10	MKS-2114A5	H06	VT
F-C	F3.30	MKS-2114A5	H06	VT
F-C	F3.10	MKS-2114A5	H07	VT
F-C	F3.30	MKS-2114A5	H07	VT
F-C	F3.10	MKS-2114A5	H08	VT
F-C	F3.30	MKS-2114A5	H08	VT
F-C	F3.10	MKS-2114A5	H09	VT
F-C	F3.30	MKS-2114A5	H09	VT
F-C	F3.10	MKS-2114A5	H10	VT
F-C	F3.30	MKS-2114A5	H10	VT
F-C	F3.10	MKS-2114A5	H11	VT
F-C	F3.30	MKS-2114A5	H11	VT
F-C	F3.10	MKS-2114A5	H12	VT
F-C	F3.30	MKS-2114A5	H12	VT
F-C	F3.10	MKS-2114A5	H19	VT
F-C	F3.30	MKS-2114A5	H19	VT
F-C	F3.10	MKS-2114A5	H20	VT
F-C	F3.30	MKS-2114A5	H20	VT
F-C	F3.10	MKS-2114A6	H16	VT
F-C	F3.30	MKS-2114A6	H16	VT
F-C	F3.10	MKS-2114A6	H17	VT
F-C	F3.30	MKS-2114A6	H17	VT
F-C	F3.10	MKS-2114A7	H03	VT
F-C	F3.30	MKS-2114A7	H03	VT
F-C	F3.40	MKS-2114A7	H03	VT
F-C	F3.10	MKS-2114A7	H04	VT
F-C	F3.30	MKS-2114A7	H04	VT
F-C	F3.10	MKS-2114A7	H05	VT
F-C	F3.30	MKS-2114A7	H05	VT
F-C	F3.10	MKS-2114A7	H06	VT
F-C	F3.30	MKS-2114A7	H06	VT
F-C	F3.10	MKS-2114A7	H07	VT
F-C	F3.30	MKS-2114A7	H07	VT
F-C	F3.10	MKS-2114A7	H08	VT
F-C	F3.30	MKS-2114A7	H08	VT
F-C	F3.10	MKS-2114A7	H09	VT
F-C	F3.30	MKS-2114A7	H09	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-2114A7	H10	VT
F-C	F3.30	MKS-2114A7	H10	VT
F-C	F3.10	MKS-2114A7	H11	VT
F-C	F3.30	MKS-2114A7	H11	VT
F-C	F3.10	MKS-2122A7	H04	VT
F-C	F3.30	MKS-2122A7	H04	VT
F-C	F3.10	MKS-2122A7	H05	VT
F-C	F3.30	MKS-2122A7	H05	VT
F-C	F3.10	MKS-2122A7	H08	VT
F-C	F3.30	MKS-2122A7	H08	VT
F-C	F3.10	MKS-2122A7	H09	VT
F-C	F3.30	MKS-2122A7	H09	VT
F-C	F3.10	MKS-2122A7	H10	VT
F-C	F3.30	MKS-2122A7	H10	VT
F-C	F3.10	MKS-2122A7	H11	VT
F-C	F3.30	MKS-2122A7	H11	VT
F-C	F3.10	MKS-2122A7	H12	VT
F-C	F3.30	MKS-2122A7	H12	VT
F-C	F3.10	MKS-2122A7	H13	VT
F-C	F3.30	MKS-2122A7	H13	VT
F-C	F3.40	MKS-2122A7	H13	VT
F-C	F3.50	MKS-2122A7	H13	VT
F-C	F3.10	MKS-2122A8	H01	VT
F-C	F3.20	MKS-2122A8	H01	VT
F-C	F3.30	MKS-2122A8	H01	VT
F-C	F3.40	MKS-2122A8	H01	VT
F-C	F3.50	MKS-2122A8	H01	VT
F-C	F3.10	MKS-2122A8	H02	VT
F-C	F3.30	MKS-2122A8	H02	VT
F-C	F3.10	MKS-2122A8	H03	VT
F-C	F3.30	MKS-2122A8	H03	VT
F-C	F3.40	MKS-2122A8	H03	VT
F-C	F3.50	MKS-2122A8	H03	VT
F-C	F3.10	MKS-2122A8	H04	VT
F-C	F3.30	MKS-2122A8	H04	VT
F-C	F3.10	MKS-2122A8	H05	VT
F-C	F3.30	MKS-2122A8	H05	VT
F-C	F3.40	MKS-2122A8	H05	VT
F-C	F3.50	MKS-2122A8	H05	VT
F-C	F3.10	MKS-2122A8	H12	VT
F-C	F3.30	MKS-2122A8	H12	VT
F-C	F3.10	MKS-2122A8	H13	VT
F-C	F3.30	MKS-2122A8	H13	VT
F-C	F3.10	MKS-2122A8	H15	VT
F-C	F3.30	MKS-2122A8	H15	VT
F-C	F3.10	MKS-2122A8	H19	VT
F-C	F3.30	MKS-2122A8	H19	VT
F-C	F3.40	MKS-2122A8	H19	VT
F-C	F3.10	MKS-2122A8	H20	VT
F-C	F3.30	MKS-2122A8	H20	VT
F-C	F3.10	MKS-2122A8	H22	VT
F-C	F3.30	MKS-2122A8	H22	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-2122A8	H24	VT
F-C	F3.30	MKS-2122A8	H24	VT
F-C	F3.10	MKS-2122A8	H26	VT
F-C	F3.30	MKS-2122A8	H26	VT
F-C	F3.40	MKS-2122A8	H26	VT
F-C	F3.50	MKS-2122A8	H26	VT
F-C	F3.10	MKS-2122A9	H11	VT
F-C	F3.30	MKS-2122A9	H11	VT
F-C	F3.40	MKS-2122A9	H11	VT
F-C	F3.10	MKS-2122A9	H12	VT
F-C	F3.30	MKS-2122A9	H12	VT
F-C	F3.10	MKS-2122A9	H13	VT
F-C	F3.30	MKS-2122A9	H13	VT
F-C	F3.10	MKS-2122A9	H14	VT
F-C	F3.30	MKS-2122A9	H14	VT
F-C	F3.10	MKS-2122A9	H15	VT
F-C	F3.30	MKS-2122A9	H15	VT
F-C	F3.40	MKS-2122A9	H15	VT
F-C	F3.50	MKS-2122A9	H15	VT
F-C	F3.10	MKS-2122A10	H03	VT
F-C	F3.30	MKS-2122A10	H03	VT
F-C	F3.40	MKS-2122A10	H03	VT
F-C	F3.10	MKS-2122A10	H18	VT
F-C	F3.30	MKS-2122A10	H18	VT
F-C	F3.10	MKS-2122A10	H20	VT
F-C	F3.30	MKS-2122A10	H20	VT
F-C	F3.10	MKS-2122A12	H03	VT
F-C	F3.20	MKS-2122A12	H03	VT
F-C	F3.10	MKS-2122A12	H11	VT
F-C	F3.30	MKS-2122A12	H11	VT
F-C	F3.10	MKS-2122A13	H01	VT
F-C	F3.30	MKS-2122A13	H01	VT
F-C	F3.10	MKS-2122A13	H02	VT
F-C	F3.30	MKS-2122A13	H02	VT
F-C	F3.10	MKS-2122A14	H01	VT
F-C	F3.30	MKS-2122A14	H01	VT
F-C	F3.40	MKS-2122A14	H01	VT
F-C	F3.50	MKS-2122A14	H01	VT
F-C	F3.10	MKS-2122A14	H02	VT
F-C	F3.30	MKS-2122A14	H02	VT
F-C	F3.10	MKS-2122A14	H03	VT
F-C	F3.30	MKS-2122A14	H03	VT
F-C	F3.10	MKS-2122A15	H01	VT
F-C	F3.30	MKS-2122A15	H01	VT
F-C	F3.40	MKS-2122A15	H01	VT
F-C	F3.50	MKS-2122A15	H01	VT
F-C	F3.10	MKS-2122A15	H02	VT
F-C	F3.30	MKS-2122A15	H02	VT
F-C	F3.10	MKS-2122A15	H03	VT
F-C	F3.30	MKS-2122A15	H03	VT
F-C	F3.10	MKS-2122A16	H01	VT
F-C	F3.30	MKS-2122A16	H01	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.10	MKS-2122A17	H01	VT
F-C	F3.30	MKS-2122A17	H01	VT
F-C	F3.10	MKS-2122A17	H02	VT
F-C	F3.30	MKS-2122A17	H02	VT
F-C	F3.10	MKS-2122A17	H04	VT
F-C	F3.30	MKS-2122A17	H04	VT
F-C	F3.10	MKS-2122A17	H06	VT
F-C	F3.30	MKS-2122A17	H06	VT
F-C	F3.10	MKS-2122A17	H08	VT
F-C	F3.30	MKS-2122A17	H08	VT
F-C	F3.10	MKS-2122A17	H09	VT
F-C	F3.30	MKS-2122A17	H09	VT
F-C	F3.10	MKS-2122A18	H06	VT
F-C	F3.30	MKS-2122A18	H06	VT
F-C	F3.10	MKS-2122A19	H01	VT
F-C	F3.20	MKS-2122A19	H01	VT
F-C	F3.30	MKS-2122A19	H01	VT
F-C	F3.10	MKS-2122A19	H03	VT
F-C	F3.30	MKS-2122A19	H03	VT
F-C	F3.10	MKS-2122A20	H02	VT
F-C	F3.20	MKS-2122A20	H02	VT
F-C	F3.30	MKS-2122A20	H02	VT
F-C	F3.10	MKS-2122A21	H01	VT
F-C	F3.30	MKS-2122A21	H01	VT
F-C	F3.10	MKS-2122A21	H02	VT
F-C	F3.20	MKS-2122A21	H02	VT
F-C	F3.30	MKS-2122A21	H02	VT
F-C	F3.10	MKS-2122A21	H04	VT
F-C	F3.30	MKS-2122A21	H04	VT
F-C	F3.10	MKS-2122A21	H05	VT
F-C	F3.20	MKS-2122A21	H05	VT
F-C	F3.30	MKS-2122A21	H05	VT
F-C	F3.40	MKS-2122A21	H05	VT
F-C	F3.50	MKS-2122A21	H05	VT
F-C	F3.10	MKS-2122A21	H06	VT
F-C	F3.30	MKS-2122A21	H06	VT
F-C	F3.10	MKS-2122A21	H07	VT
F-C	F3.20	MKS-2122A21	H07	VT
F-C	F3.30	MKS-2122A21	H07	VT
F-C	F3.30	MKS-O103A2	H38	VT
F-C	F3.10	MSK-0117B1	H07	VT
F-C	F3.10	NKS-0117A1	H13	VT
F-C	F3.10	NSL1	H05	VT
F-C	F3.30	NSL1	H05	VT
F-C	F3.10	NSL1	H06	VT
F-C	F3.20	NSL1	H06	VT
F-C	F3.30	NSL1	H06	VT
F-C	F3.10	NSL1	H07	VT
F-C	F3.20	NSL1	H07	VT
F-C	F3.30	NSL1	H07	VT
F-C	F3.40	NSL1	H07	VT
F-C	F3.10	NSL1	H07A	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.20	NSL1	H07A	VT
F-C	F3.30	NSL1	H07A	VT
F-C	F3.10	NSL1	H08	VT
F-C	F3.20	NSL1	H08	VT
F-C	F3.30	NSL1	H08	VT
F-C	F3.10	RC1	H02A	VT
F-C	F3.30	RC1	H02A	VT
F-C	F3.40	RC1	H02A	VT
F-C	F3.50	RC1	H02A	VT
F-C	F3.10	RC1	H03	VT
F-C	F3.20	RC1	H03	VT
F-C	F3.30	RC1	H03	VT
F-C	F3.40	RC1	H03	VT
F-C	F3.10	RC1A	H04	VT
F-C	F3.20	RC1A	H04	VT
F-C	F3.30	RC1A	H04	VT
F-C	F3.40	RC1A	H04	VT
F-C	F3.10	RC1A	H04A	VT
F-C	F3.30	RC1A	H04A	VT
F-C	F3.40	RC1A	H04A	VT
F-C	F3.10	RC1B	H04B	VT
F-C	F3.20	RC1B	H04B	VT
F-C	F3.30	RC1B	H04B	VT
F-C	F3.10	RC2	H02A	VT
F-C	F3.30	RC2	H02A	VT
F-C	F3.40	RC2	H02A	VT
F-C	F3.50	RC2	H02A	VT
F-C	F3.10	RC2	H03	VT
F-C	F3.20	RC2	H03	VT
F-C	F3.30	RC2	H03	VT
F-C	F3.40	RC2	H03	VT
F-C	F3.10	RC2A	H04	VT
F-C	F3.20	RC2A	H04	VT
F-C	F3.30	RC2A	H04	VT
F-C	F3.40	RC2A	H04	VT
F-C	F3.10	RC2A	H04A	VT
F-C	F3.30	RC2A	H04A	VT
F-C	F3.10	RC2A	H04B	VT
F-C	F3.20	RC2A	H04B	VT
F-C	F3.30	RC2A	H04B	VT
F-C	F3.10	RC3	H02A	VT
F-C	F3.30	RC3	H02A	VT
F-C	F3.40	RC3	H02A	VT
F-C	F3.50	RC3	H02A	VT
F-C	F3.10	RC3	H03	VT
F-C	F3.20	RC3	H03	VT
F-C	F3.30	RC3	H03	VT
F-C	F3.40	RC3	H03	VT
F-C	F3.10	RC3	H04	VT
F-C	F3.20	RC3	H04	VT
F-C	F3.30	RC3	H04	VT
F-C	F3.10	RC3A	H04B	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.20	RC3A	H04B	VT
F-C	F3.30	RC3A	H04B	VT
F-C	F3.10	RC3B	H04A	VT
F-C	F3.30	RC3B	H04A	VT
F-C	F3.10	RC4	H12	VT
F-C	F3.30	RC4	H12	VT
F-C	F3.10	RC9	H01	VT
F-C	F3.30	RC9	H01	VT
F-C	F3.40	RC9	H01	VT
F-C	F3.50	RC9	H01	VT
F-C	F3.10	RC9	H02	VT
F-C	F3.20	RC9	H02	VT
F-C	F3.30	RC9	H02	VT
F-C	F3.40	RC9	H02	VT
F-C	F3.50	RC9	H02	VT
F-C	F3.10	RC19	H01	VT
F-C	F3.30	RC19	H01	VT
F-C	F3.10	RW1	H04	VT
F-C	F3.30	RW1	H04	VT
F-C	F3.10	RW1	H05	VT
F-C	F3.30	RW1	H05	VT
F-C	F3.10	RW1	H06	VT
F-C	F3.10	RW1	H07	VT
F-C	F3.30	RW1	H07	VT
F-C	F3.30	RW1	H06	VT
F-C	F3.10	SI10	H01	VT
F-C	F3.30	SI10	H01	VT
F-C	F3.10	SI10	H02	VT
F-C	F3.30	SI10	H02	VT
F-C	F3.10	SI10	H03	VT
F-C	F3.30	SI10	H03	VT
F-C	F3.10	SI11	H91	VT
F-C	F3.30	SI11	H91	VT
F-C	F3.10	SI11	H91A	VT
F-C	F3.30	SI11	H91A	VT
F-C	F3.10	SI11	H93	VT
F-C	F3.30	SI11	H93	VT
F-C	F3.10	SI12A	H02	VT
F-C	F3.30	SI12A	H02	VT
F-C	F3.10	SI12A	H03	VT
F-C	F3.30	SI12A	H03	VT
F-C	F3.10	SI12A	H04	VT
F-C	F3.30	SI12A	H04	VT
F-C	F3.10	SI12A	H05	VT
F-C	F3.30	SI12A	H05	VT
F-C	F3.10	SI12A	H06	VT
F-C	F3.30	SI12A	H06	VT
F-C	F3.40	SI12A	H06	VT
F-C	F3.50	SI12A	H06	VT
F-C	F3.10	SI12A	H94	VT
F-C	F3.30	SI12A	H94	VT
F-C	F3.40	SI12A	H94	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.50	SI12A	H94	VT
F-C	F3.10	SI12A	H95	VT
F-C	F3.30	SI12A	H95	VT
F-C	F3.10	SI12A	H97	VT
F-C	F3.30	SI12A	H97	VT
F-C	F3.40	SI12A	H97	VT
F-C	F3.50	SI12A	H97	VT
F-C	F3.10	SI15	H02	VT
F-C	F3.20	SI15	H02	VT
F-C	F3.30	SI15	H02	VT
F-C	F3.10	SI15	H03	VT
F-C	F3.30	SI15	H03	VT
F-C	F3.10	SI15	H04	VT
F-C	F3.30	SI15	H04	VT
F-C	F3.40	SI15	H04	VT
F-C	F3.10	SI15	H05	VT
F-C	F3.20	SI15	H05	VT
F-C	F3.30	SI15	H05	VT
F-C	F3.10	SI16	H12	VT
F-C	F3.30	SI16	H12	VT
F-C	F3.40	SI16	H12	VT
F-C	F3.50	SI16	H12	VT
F-C	F3.10	SI16	H13	VT
F-C	F3.30	SI16	H13	VT
F-C	F3.10	SI16	H14	VT
F-C	F3.30	SI16	H14	VT
F-C	F3.40	SI16	H14	VT
F-C	F3.50	SI16	H14	VT
F-C	F3.10	SI16	H15	VT
F-C	F3.30	SI16	H15	VT
F-C	F3.10	SI16	H16	VT
F-C	F3.20	SI16	H16	VT
F-C	F3.30	SI16	H16	VT
F-C	F3.10	SI17	H18	VT
F-C	F3.30	SI17	H18	VT
F-C	F3.40	SI17	H18	VT
F-C	F3.50	SI17	H18	VT
F-C	F3.10	SI17	H19	VT
F-C	F3.30	SI17	H19	VT
F-C	F3.10	SI17	H20	VT
F-C	F3.30	SI17	H20	VT
F-C	F3.10	SI17	H24	VT
F-C	F3.30	SI17	H24	VT
F-C	F3.10	SI18	H21	VT
F-C	F3.30	SI18	H21	VT
F-C	F3.10	SI18	H22	VT
F-C	F3.30	SI18	H22	VT
F-C	F3.10	SI18	H23	VT
F-C	F3.30	SI18	H23	VT
F-C	F3.10	SI18	H26	VT
F-C	F3.30	SI18	H26	VT
F-C	F3.10	SI20	H16	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
F-C	F3.30	SI20	H16	VT
F-C	F3.10	SI3	H01A	VT
F-C	F3.30	SI3	H01A	VT
F-C	F3.10	SI7	H240	VT
F-C	F3.30	SI7	H240	VT
F-C	F3.40	SI7	H240	VT
F-C	F3.10	SI7	H241	VT
F-C	F3.30	SI7	H241	VT
F-C	F3.10	SI7	H242	VT
F-C	F3.30	SI7	H242	VT
F-C	F3.40	SI7	H242	VT
F-C	F3.50	SI7	H242	VT
F-C	F3.10	SI7	H244	VT
F-C	F3.30	SI7	H244	VT
F-C	F3.10	SI7	H245	VT
F-C	F3.30	SI7	H245	VT
F-C	F3.10	SI7	H248	VT
F-C	F3.30	SI7	H248	VT
F-C	F3.10	SI7	H249	VT
F-C	F3.30	SI7	H249	VT
F-C	F3.10	SI8	H246	VT
F-C	F3.30	SI8	H246	VT
F-C	F3.10	SI8	H247	VT
F-C	F3.30	SI8	H247	VT
F-C	F3.40	SI8	H247	VT
F-C	F3.50	SI8	H247	VT
F-C	F3.10	SI9	H01	VT
F-C	F3.30	SI9	H01	VT
B-N-1	B13.10	VIR-1-1200	RX VESSEL INT.	VT
B-G-1	B6.50	VIR-1-1400	CCW21 thru	VT
B-G-1	B6.50	VIR-1-1400	CCW39	VT
B-G-1	B6.50	VIR-1-1400	CVW21 thru	VT
B-G-1	B6.50	VIR-1-1400	CVW39	VT
B-G-1	B6.10	VIR-1-1400	N21 thru N39	MT
B-G-1	B6.30	VIR-1-1400	S21 thru S39	MT,UT
B-G-2	B7.20	VIR-1-2100	B01 thru B16	VT
B-K-1	B10.10	VIR-2-2100	H08	MT
F-C		VIR-2-2100	H08	VT
B-G-2	B7.30	VIR-1-3100	2-B01 thru	VT
B-G-2	B7.30	VIR-1-3100	2-B32	VT
B-G-2	B7.70	VIR-1-6300	72	VT
B-J	B9.11	VIR-1-4104	03	UT,PT
B-J	B9.11	VIR-1-4104	04	UT,PT
B-J	B9.11	VIR-1-4105	06	UT,PT
B-J	B9.11	VIR-1-4105	07	UT,PT
B-J	B9.11	VIR-1-4105	08	UT,PT
B-J	B9.11	VIR-1-4105	09	UT,PT
B-J	B9.40	VIR-1-4111	15	PT
B-J	B9.40	VIR-1-4111	17	PT
B-J	B9.40	VIR-1-4111	19	PT
B-J	B9.11	VIR-1-4201	10	UT,PT
B-J	B9.11	VIR-1-4201	11	UT,PT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
-C		VIR-1-4204	03	VT
B-J	B9.21	VIR-1-4204	13	PT
B-J	B9.40	VIR-1-4205	11	PT
B-J	B9.40	VIR-1-4205	12	PT
B-J	B9.40	VIR-1-4205	13	PT
B-J	B9.40	VIR-1-4205	14	PT
B-J	B9.40	VIR-1-4205	17	PT
B-J	B9.21	VIR-1-4206	09	PT
B-J	B9.21	VIR-1-4206	10	PT
B-J	B9.21	VIR-1-4206	11	PT
B-J	B9.21	VIR-1-4206	14	PT
B-J	B9.40	VIR-1-4209	02	PT
B-J	B9.40	VIR-1-4209	03	PT
B-J	B9.40	VIR-1-4209	04	PT
B-J	B9.40	VIR-1-4209	05	PT
B-J	B9.40	VIR-1-4209	06	PT
B-J	B9.40	VIR-1-4210	24	PT
B-J	B9.40	VIR-1-4210	25	PT
B-J	B9.40	VIR-1-4210	26	PT
B-J	B9.40	VIR-1-4210	27	PT
B-J	B9.40	VIR-1-4210	28	PT
B-J	B9.40	VIR-1-4212	10	PT
B-J	B9.40	VIR-1-4212	11	PT
B-J	B9.40	VIR-1-4212	12	PT
B-J	B9.40	VIR-1-4212	13	PT
B-J	B9.40	VIR-1-4305	11	PT
-J	B9.40	VIR-1-4305	12	PT
B-J	B9.21	VIR-1-4306	03	PT
B-J	B9.21	VIR-1-4306	04	PT
B-J	B9.21	VIR-1-4306	05	PT
B-J	B9.21	VIR-1-4306	06	PT
B-J	B9.40	VIR-1-4308	02	PT
B-J	B9.40	VIR-1-4308	03	PT
B-J	B9.40	VIR-1-4308	04	PT
B-J	B9.40	VIR-1-4308	05	PT
B-J	B9.40	VIR-1-4308	06	PT
B-J	B9.40	VIR-1-4308	08	PT
B-F	B5.20	VIR-1-4502	01DM	UT, PT
B-F	B5.20	VIR-1-4503	01DM	UT, PT
B-G-2	B7.50	VIR-1-4700	06	VT
B-G-2	B7.50	VIR-1-4700	08	VT
B-G-2	B7.50	VIR-1-4700	16	VT
B-G-2	B7.50	VIR-1-4700	20	VT
B-G-2	B7.60	VIR-1-5100A	3-SHB01 thru	VT
B-G-2	B7.60	VIR-1-5100A	3-SHB12	VT
B-G-2	B7.70	VIR-1-6300	76	VT
B-G-2	B7.70	VIR-1-6300	78	VT
B-G-2	B7.70	VIR-1-6300	79	VT
B-G-2	B7.70	VIR-1-6300	80	VT
B-G-2	B7.70	VIR-1-6300	85	VT
B-G-2	B7.70	VIR-1-6300	86	VT
-G-2	B7.70	VIR-1-6300	87	VT

CATEGORY	ITEMNUMBER	ISOMETRIC	COMPONENT	EXAM
G-2	B7.70	VIR-1-6300	93	VT
B-G-2	B7.70	VIR-1-6300	95	VT
C-A	C1.30	VIR-2-1100	02 144"-284"	UT
C-A	C1.10	VIR-2-1100	05 101"-284"	UT
C-A	C1.20	VIR-2-1100	08 156"-370"	UT
C-B	C2.21	VIR-2-1120	1A	PT
C-B	C2.22	VIR-2-1120	1A	PT
C-A	C1.20	VIR-2-1120	1A-01	UT
C-A	C1.10	VIR-2-1120	1A-02	UT
C-A	C1.10	VIR-2-1120	1B-02	UT
C-A	C1.10	VIR-2-1300	4A-02	UT
C-A	C1.20	VIR-2-1300	4B-02	UT
C-F	C5.11	VIR-2-2102	06	MT
C-F	C5.21	VIR-2-2200	02	UT, PT
C-F	C5.21	VIR-2-2201	18	UT, PT
F-C		VIR-2-2203	H13	VT
C-F	C5.11	VIR-2-2500	25	PT
C-F	C5.11	VIR-2-2500	26	PT
C-F	C5.11	VIR-2-2510	22	PT
C-F	C5.11	VIR-2-2510	25	PT
C-F	C5.11	VIR-2-2510	26	PT
C-F	C5.11	VIR-2-2510	42	PT
C-F	C5.11	VIR-2-2510	44	PT
C-F	C5.11	VIR-2-2510	45	PT
C-F	C5.21	VIR-2-2522	01	UT, PT
C-F	C5.21	VIR-2-2522	02	UT, PT
-F	C5.21	VIR-2-2522	03	UT, PT
C-F	C5.21	VIR-2-2522	04	UT, PT
C-F	C5.21	VIR-2-2540	19	UT, PT
C-F	C5.21	VIR-2-2542	33	UT, PT
C-F	C5.11	VIR-1-4658	09	PT
C-F	C5.11	VIR-1-4658	25	PT
B-F	B5.21	VIR-2-2543	02	UT, PT
B-F	B5.21	VIR-2-2543	03	UT, PT
B-F	B5.21	VIR-2-2543	04	UT, PT
F-C	F3.10	WAPD4	H01	VT
F-C	F3.30	WAPD4	H01	VT
F-C	F3.10	WAPD5	H07	VT
F-C	F3.30	WAPD5	H07	VT
F-C	F3.10	WAPD6	H01	VT
F-C	F3.30	WAPD6	H01	VT
F-C	F3.10	WAPD6	H02	VT
F-C	F3.30	WAPD6	H02	VT
F-C	F3.10	WCMU10	H01	VT
F-C	F3.30	WCMU10	H01	VT
F-C	F3.10	WCMU10	H02	VT
F-C	F3.30	WCMU10	H02	VT
F-C	F3.10	WCMU10	H03	VT
F-C	F3.30	WCMU10	H03	VT
F-C	F3.10	WCMU10	H04	VT
F-C	F3.30	WCMU10	H04	VT
-C	F3.10	WCMU10	H05	VT

<u>CATEGORY</u>	<u>ITEMNUMBER</u>	<u>ISOMETRIC</u>	<u>COMPONENT</u>	<u>EXAM</u>
F-C	F3.30	WCMU10	H05	VT
F-C	F3.10	WCMU10	H06	VT
F-C	F3.30	WCMU10	H06	VT
F-C	F3.10	WCMU10	H07	VT
F-C	F3.30	WCMU10	H07	VT
F-C	F3.10	WCMU10	H08	VT
F-C	F3.30	WCMU10	H08	VT

Statement of Interval Status

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

ATTACHMENT 2

**OWNER'S DATA REPORT FOR
REPAIRS AND REPLACEMENTS**

OWNER'S DATA REPORT FOR
REPAIRS AND REPLACEMENTS

for

Surry Power Station

Unit 2

P.O. Box 315

Surry, Virginia 23883

for

Virginia Electric and Power Company

5000 Dominion Blvd.

Glen Allen, Virginia 23060

Commercial Service Date: May 1, 1973

Operating Capacity: 822 MWe (net)

Refueling Outage: 2nd Interval, 2nd Period

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 3/25/1987
P.O. Box 26666 (Name) Richmond, VA. 23261 Sheet 1 of 1
 2. Plant Surry Power Station Unit 2
P.O. Box 315 (Name) Surry VA. 23883
 3. Work Performed by VA. Power 3800021662
 (Name) (Address) Repair Organization P.O. No., Job No., etc.
Same
 4. Identification of System Main Steam Class 2 14
 5. (a) Applicable Construction Code B31.1 19 67 Edition, Addenda, Code Cases
 (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)
VALVE	Vogt	R4691D	-	-	2-45-76	-	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. 54-19394
 (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 Alvin McNeil S.E.T. Title 4/14 Date 1987
 (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 H.S.B. T & I Co. of Hartford, CT. have inspected the Replacement described in this Report on 4-14, 1987
 (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 4-14-87 Robert L. Coder Commissions VA 241
 (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 3 125 1 1987
P.O. Box 26666 (Name) Richmond, VA. 23261 Sheet 1 of 1
 (Address)
 2. Plant Surry Power station Unit 2
P.O. Box 315 (Name) Surry VA. 23883
 (Address)
 3. Work Performed by VA. power 3800045446
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
 4. Identification of System Charging system class 2
 5. (a) Applicable Construction Code B31.1 19 67 Edition, Addenda, Code Cases
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, 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)
Bonnet Assembly	ITT	2080108	-	-	2-CH-198	-	Replacement	NO

7. Description of Work Replace Bonnet Assembly
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks P.O. # 54-16786
 (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 Alex McNeill S.E.T. 4/14 19 87
 (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 T&I Co. of Hartford, CT have inspected the Replacement described in this Report on 4-14, 19 87
 (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 4-14-87 Robert L. Coder Commissions VA-241
 (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 4 / 15 / 1987
P.O. Box 26666 (Name) Richmond, VA. 23261 Sheet 1 of 1
 (Address)
 2. Plant Surry Power station Unit 2
P.O. Box 315 (Name) Surry VA. 23883
 (Address)
 3. Work Performed by VA. power 38000 48195
 (Name) Repair Organization P.O. No., Job No., etc.
same
 (Address)
 4. Identification of System Reactor coolant class 1
 5. (a) Applicable Construction Code B31.1 19 67 Edition, NR Addenda, Code Cases NR
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WS0 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>Pinhook</u>	<u>NR</u>	<u>NR</u>	<u>NR</u>	<u>2-RC-MOV-2435</u>	<u>NR</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replace Limiting to Burnet studs (4)
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks P.O. 54-1905
 (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 Alvin McNeil S.E.T. Title _____ Date 4/16, 19 87
 (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 4-16, 19 87
 (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 4-16-87 Robert L. Coder Commissions VA 241
 (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 4/15/1987
P.O. Box 26666 (Name) Richmond, VA. 23261 Sheet 1 of 1
(Address)
2. Plant Surry Power station Unit 2
P.O. Box 315 (Name) Surry VA. 23883
(Address)
3. Work Performed by VA. power 3800048196
(Name) Repair Organization P.O. No., Job No., etc.
same (Address)
4. Identification of System Reactor coolant system class 1
(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)
Studs	Pawtucket	NA	NA	NA	2-RC-MOV-2536 NA	NA	Replacement	NO

7. Description of Work Replace 4 studs (Limit torque to Bonnet studs)
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure _____ psi Test Temp. _____ °F
9. Remarks P.O. 57-18055
(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 Oliver McNeill S.E.T. Title _____ Date 4/16, 19 87
(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 H-5B I & I Co. of Hartford, CT. have inspected the Replacement described in this Report on 4-16, 19 87
(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 4-16-87 Robert L. Code Commissions VA 241
(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

- Owner Virginia Power Date 6/5/1987
P.O. Box 26666 (Name) Richmond, VA. 23261 Sheet 1 of 1
(Address)
- Plant Surry Power Station Unit 2
P.O. Box 315 (Name) Surry VA. 23883
(Address)
- Work Performed by VA. Power 3800030796
(Name) (Address) Repair Organization P.O. No., Job No., etc.
Same
- Identification of System Reactor Coolant
- (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
- 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>B&G (NAT)</u>	<u>622013</u>	<u>-</u>	<u>-</u>	<u>2-RC-HCV-257C</u>	<u>-</u>	<u>Replacement</u>	<u>NO</u>
	<u>Hubb, inc (B&G)</u>	<u>8097696</u>						

- Description of Work Replaced 6 studs
- Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure psi Test Temp. °F
- Remarks 57-19829 NS-30900
(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 Alvin McNeill S.E.T. Title 6/5, 19 87
(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 6-5, 19 87 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 6-5-87 Robert L. Colan Commissions VA 241
(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 6/5/1987
P.O. Box 26666 (Name) Richmond, VA. 23261 Sheet 1 of 1
 (Address)
 2. Plant Surry Power station Unit 2
P.O. Box 315 (Name) Surry VA. 23883
 (Address)
 3. Work Performed by VA. power 3800043524
 (Name) Repair Organization P.O. No., Job No., etc.
same
 4. Identification of System Recir. Spray (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 WS0 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>Exp. Joint</u>	<u>Pathway Bellows</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-RS-XJ-WA</u>	<u>-</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replaced Expansion Joint
 8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 165 psi Test Temp. ambient °F
 9. Remarks SY-109319
 (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 Calvin McNeil P.E.T. Title 6/5, 19 87
 (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 6-9, 19 87
 (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 6-9-87 Robert J. Coder Commissions VA 241
 (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 6/5/1987
P.O. Box 26666 (Name) Richmond, VA. 23261 Sheet 1 of 1
(Address)
2. Plant: Surry Power station Unit 2
P.O. Box 315 (Name) Surry VA. 23883
(Address)
3. Work Performed by VA. power 38000 42396
(Name) (Address) Repair Organization P.O. No., Job No., etc.
same
4. Identification of System Pressurizer
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, WS0 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>Bolt</u>	<u>Westinghouse</u>	<u>90632</u>	<u>-</u>	<u>-</u>	<u>2-RC-E2</u>	<u>-</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replace one (1) Bolt.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒
Pressure 2350 psi Test Temp. 570 °F
9. Remarks PT-11 was performed (over-pressurization test)
(Applicable Manufacturer's Data Reports to be attached)
SY-19621

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 Allegre McNeil S.E.T. 6/5, 19 87
(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 6-5, 19 87
(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 6-5-87 Robert L. Coder Commissions VA 241
(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

- Owner Virginia Power Date 6 / 10 / 1987
P.O. Box 26666 (Name) Richmond, VA. 23261 Sheet 1 of 1
(Address)
- Plant Surry Power Station Unit 2
P.O. Box 315 (Name) Surry VA. 23883
(Address)
- Work Performed by VA. Power 3800048010
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
- Identification of System Reactor Coolant Class 1
(Address)
- (a) Applicable Construction Code B31.1 19 67 Edition, Addenda, Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, W80 Addenda, Code Cases NA
- 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 Assembly</u>	<u>Copis-Vulcan</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-RC-PCV245C</u>	<u>-</u>	<u>Replacement</u>	<u>NO</u>

- Description of Work Replaced Valve assembly
- Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ PT-1
Pressure 230 psi Test Temp. 820 °F
- Remarks P.O. 54-18422
(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 Alan M. DeLoe S.E.T. Title E/10 Date 6/10, 19 87
(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 H-S-B I & I Co. of Hatford, CT. have inspected the Replacement described in this Report on 6-10, 19 87
(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 6-10-87 Robert L. Coder Commissions VA 241
(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 6/10/1987
P.O. Box 26666 (Name) Richmond, VA. 23261 Sheet 1 of 1
(Address)
2. Plant Surry Power Station Unit 2
P.O. Box 315 (Name) Surry VA. 23893
(Address)
3. Work Performed by VA. power 38000 JCP-45-20
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Containment Sump 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, WS0 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	Crusby	-	-	-	2-TV-DA-200A-		Replacement	NO

7. Description of Work Replaced Valve
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure 110 psi Test Temp. Amb. °F
9. Remarks P.O. ET-16205
(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 Alvin McNeil S.E.T. Title 6/10, 19 87
(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 H.S.B. I & I Co. of Hartford, CT. have inspected the Replacement described in this Report on 6-11, 19 87
(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 6-11-87 Robert L. Coder Commissions VA 241
(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 12-16-87
(Name)
P.O. Box 2666 (Address)
Sheet 1 of 1
2. Plant Surry Power Station Unit 2
(Name)
P.O. Box 315 Surry VA 23883 (Address)
3. Work Performed by VA Power 3800059444
(Name) Repair Organization P.O No., Job No., etc.
Same (Address)
4. Identification of System Main Feed Water (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)
<u>S/G C Fw Loop Seal</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>16" WFR-10'-6"</u>	<u>NA</u>	<u>Replacement</u> <u>Repair</u>	<u>NA</u>

7. Description of Work Weld Buildup IAW EWR-87-416
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒
Pressure _____ psi Test Temp. _____ °F
9. Remarks MT all Welds & WT thickness
(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 conforms to Section XI of the ASME Code: _____
(repair or replacement)

Signed RK McManis ISI Dec. 16, 19 87
(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 ISI CO. of Hartford, CT. have inspected the Replacement described in this Report on 12-16, 1987
(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 12-16-87 Robert L. Corda Commissions NB 7009
(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 1-29-88
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 (Address) Surry VA 23883
3. Work Performed by VA Power (Name) 38000 51019
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam (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, 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>Studs & nuts</u>	<u>Hardware specialists</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>D-MS-SV-205C</u>	<u>NA</u>	<u>Replacement</u>	<u>NA</u>

7. Description of Work Replaced 12 studs & 24 nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
9. Remarks P.O. 54-14548, Weld Built up on gasket flange surface.
 (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 Alvin McNeil (Owner or Owner's Designee) Title ISI Supr. Date 2/2, 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 ISI CO. of Hartford, CT, have inspected the Replacement described in this Report on 2-2, 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 2-2-88 Robert L. Corder (Inspector) Commissions Va 543 NB7009
 (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 1-29-88
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 Surry VA 23883 (Address)
3. Work Performed by VA Power (Name) 3800042252
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Safety Injection (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, 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>Studs</u>	<u>Sales exp.</u>	<u>Hent No. 667474</u>	<u>NA</u>	<u>NA</u>	<u>2-SE-MOV-2864B NB</u>	<u>NA</u>	<u>Replacement</u>	<u>NA</u>

7. Description of Work Replaced 18 studs.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
9. Remarks P.O. 125065
 (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 Alex McNeil Title ISE Supr. Date 2/2, 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 ISE CO. of Hartford, CT. have inspected the Replacement described in this Report on 2-2, 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 2-2-88 Inspector Robert J. Codan Commissions Va 543 NB7009
 (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 1-29-1988
P.O. Box 2666 (Address) Sheet 1 of 1

2. Plant Surry Power Station Unit 2
P.O. Box 315 (Address) Surry VA 23943

3. Work Performed by VA Power 3800051089
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)

4. Identification of System Charging System (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)
<u>Studs & Nuts</u>	<u>Hardware specialty co.</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2-CH-MOV-2089B</u>	<u>NA</u>	<u>Replacement</u>	<u>NA</u>

7. Description of Work Replaced 10 studs & 20 nuts.

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

9. Remarks P.O. 51-14927
 (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 Oliver McNeil Title ISI Supr. Date 2/2, 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 S I Co. of Hartford, CT. have inspected the Replacement described in this Report on 2-4, 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 2-4-88 Robert L. Codar Commissions VA 543 NB7009
 (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 2-20-88
P.O. Box 26666 (Address) Sheet 1 of 1

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

3. Work Performed by VA Power (Name) 3800046251
Same (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System Main Steam (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, 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>studs</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2-MS-TV-001C</u>		<u>Replacement</u>	<u>NA</u>
<u>disc. Assembly</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>"</u>			<u>NA</u>

7. Description of Work replaced 16 studs & disc Assembly.

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

9. Remarks P.O. 116312 & P.O. 11821
 (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 Alvin McNeil Title ISI Supv. Date 2-22, 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 ISI Co. of Hartford, CT. have inspected the Replacement described in this Report on 2-23, 19 88 (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 2-23-88 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 (Name) Date 2-20-88
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 Surry VA 23883 (Address)
3. Work Performed by VA Power (Name) 3800051603
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam (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)
<u>Valve</u>	<u>Henry Vogt</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2-MS-107</u>	<u>NA</u>	<u>Replacement</u>	<u>NA</u>

7. Description of Work Replaced Valve
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
9. Remarks SY-20118
 (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 Alexander McNeill Title ISE Supervisor Date 2-22-88
 (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 ISEI Co. of Hartford, CT have inspected the Replacement described in this Report on 2-23-88, 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 2-23-88 Robert L. Codar 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 2-22-88
P.O. Box 2666 (Address) Sheet 1 of 1

2. Plant Surry power station (Name) Unit 2
P.O. Box 315 (Address) Surry VA 23843

3. Work Performed by VA Power (Name) 3800039730
Same (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System Main Steam (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, 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)
Value body	Fisher	NA	NA	NA	2 MS-HCR-204	NA	Replacement	NA

7. Description of Work Replaced valve body.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1356 psi Test Temp. AMBIENT

9. Remarks Replaced valve body Serial # 4622975 with 4614846 (104)
 (Applicable Manufacturer's Data Reports to be attached) (204)

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 Alexander McNeill (Owner or Owner's Designee) Title ISI supt. Date 2-22, 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 of VA, employed by HSB ISI Co. of Hartford, CT. have inspected the Replacement described in this Report on 2-23, 19 88 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 2-23-88 Robert L. Coles (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 2-25-88
(Name)
P.O. Box 2666 (Address)
Sheet 1 of 1
2. Plant Surry Power Station Unit 2
(Name)
P.O. Box 315 Surry VA 23883 (Address)
3. Work Performed by VA Power 3800059426
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Surry
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>Surry</u>	<u>ITT</u>	<u>VA</u>	<u>NA</u>	<u>NA</u>	<u>2-SI-HSS-24</u> <u>(V-0174)</u>	<u>NA</u>	<u>Replacement</u>	<u>NA</u>

7. Description of Work Replaced surry with a rebuilt spare (V-0082)
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒
Pressure _____ psi Test Temp. _____ °F
9. Remarks Surry was functionally test prior 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: Part (repair or replacement)

Signed Al McNeil Title ISI Supv. Date 2-29, 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 S I Co. of Hartford, CT have inspected the Replacement described in this Report on 5-2, 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 5-2-88 Robert L. 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 Company Date 4/20/88
P.O. Box 26666 (Name) Richmond VA 23261 (Address) Sheet 1 of 1

2. Plant Sunny Power Station Unit 2
P.O. Box 315 (Name) Sunny VA 23083 (Address)

3. Work Performed by VA Power 3800050486
 (Name) Repair Organization P.O. No., Job No., etc.
same (Address)

4. Identification of System Charging Class 2 rw

5. (a) Applicable Construction Code B31.1 19 67 Edition, 1980 Winter Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, 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)
valve	Velan	878229	N/A	N/A	2-CH-276	N/A	replacement	No

7. Description of Work Replace Valve

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 2660 psi Test Temp. Ambient °F

9. Remarks P.O. 58Y 128515
 (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 Alexander McNeil Supr. 4-20-, 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 F&I CO of Hartford, Ct have inspected the Replacement described in this Report on 4-20, 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 4-20-88 Robert L. Cullen Commissions Va 543 NB 7009
 (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 NP - Power Co. Date 4-20-88
P.O. Box 26666, Richmond, VA 23261 Sheet 1 of 1
 2. Plant Surry Power Station Unit 380005942 2
P.O. Box 315, Surry VA 23883
 3. Work Performed by NP - Power 3800059426
Same Repair Organization P.O. No., Job No., etc.
 4. Identification of System Safety injection rubber (class 2)
 5. (a) Applicable Construction Code B31.1 19 67 Edition, Addenda, Code Cases
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, WS0 Addenda, Code Cases NP
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mtr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Rubber</u>	<u>ITT</u>	<u>NP</u>	<u>NP</u>	<u>NP</u>	<u>-SE-1K5-2K NP</u> <u>(U-0174)</u>		<u>Replacement</u>	<u>NP</u>

7. Description of Work Replace rubber with a spare
 8. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks Rubber was rebuilt & tested prior 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 Ally McNeil Sup. 4-22, 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 4-22, 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 4-22-88 Robert L. Corda Commissions Va 543 NB 7009
 (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 VA. Power Co. Date 4/20/88
P.O. Box 26666 Richmond VA 23261 Sheet 1 of 1
 2. Plant Curry Power Station Unit 2
P.O. Box 315 Surry, VA 23863
 3. Work Performed by VA. Power 3800059776
Same Repair Organization P.O. No., Job No., etc.
 4. Identification of System Am Feedwater class 2
 5. (a) Applicable Construction Code 31.1 19 67 Edition, Addenda, Code Cases
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 60, 68 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>ITT</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>2-WAPD-HS-140</u> <u>(U-0109)</u>		<u>replacement</u>	<u>NA</u>

7. Description of Work replaced submer with spare
 8. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒
 Pressure _____ psl Test Temp _____ °F
 9. Remarks spare submer was rebuilt & tested prior 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.
 Signed Ally McNeil Sup. 4-22-88, 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 replaced described in this Report on 4-22, 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 4-22-88 Robert S. Cedar Commissions VA 543, NB 7009
 (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 6-16-88
(Name)
P.O. Box 2666 (Address)
Sheet 1 of 1
2. Plant Surry Power Station Unit 2
(Name)
P.O. Box 315 (Address)
Surry VA 23883
3. Work Performed by VA Power 3800066817, 66818, 66819
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System FW - Freshwater system (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)
Six (6) Reducers (6x3)	J.H. Frischkorn	NA	NA	NA	5 LVR 1 LVT	-	Replacement	NO
Three (3) 6" x 7" Pipe	J.H. Frischkorn	NA	NA	NA	Heat No. A41286	-	Replacement	NO

7. Description of Work Replace piping with reducers & strainers in each of the three lines
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure 1320 psi Test Temp. Amb. °F
9. Remarks Temp 7 performed, P.O. 18195 (Pipe) & P.O. 199228 (Reducers)
(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 Daily for Title ISI Date 6-16, 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 ISI Co. of Hartford, CT, have inspected the Replacement described in this Report on 6-16, 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 6-16-88 Robert L. Coda Commissions VA 543 NB7009
(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 9-26-88
PO BOX 26666 (Name)
(Address)
2. Plant Surry Power STATION Unit 2
PO. BOX 315 (Name) Surry VA 23883 (Address)
3. Work Performed by VA Power W.O. 38 000 67781
(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, 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)
① 1-1/8" NUT	CAVALIER Bolt & Nut	050341	N/A	N/A	2-RC-FE-291		Replacement	NO
② 1-1/8" NUT	Hardware Specialty	54096	N/A	N/A	"		Replacement	NO
③ 1-1/8" NUT	CAVALIER Bolt & Nut	E17327	N/A	N/A	"		Replacement	NO
④ 1-1/8" INRD	Sales System LTD.	2716A	N/A	N/A	"		Replacement	NO

7. Description of Work Repair Flange leak (Replaced 4 Bolts)
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure _____ psi Test Temp. _____ °F RT. II
9. Remarks ① P.O. 17809 ② P.O. 12586 ③ P.O. 15889 ④ P.O. 13818
(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 IA Date 10-3, 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 HSBI & I Co of Hartford, Ct. have inspected the Replacement described in this Report on 10-6, 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 10-6-88 Robert L. Godan 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 10-3-88
P.O. BOX 26666, RICHMOND, VA Sheet 1 of 1
 2. Plant SURRY POWER STATION Unit 2
P.O. BOX 315, SURRY, VA 23880
 3. Work Performed by VIRGINIA POWER 3800059467
SALE Repair Organization P.O. No., Job No., etc.
 4. Identification of System Charging System (class 2)
 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)
RELIEF VALVE	CROSBY	-	-	-	2-CH-RV-2203	-	REPLACEMENT	NO

7. Description of Work REPLACED RELIEF VALVE 02-CH-RV-2203
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ N/A
 Pressure psi Test Temp. °F
 9. Remarks P.O. SY-16330 DT-12.2
 (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 ISI Title ISI Date 10-3, 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 10-4, 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 10-4-88 Robert J. Cedar Commissions NB 7009, 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 Date 10-3-88
P.O. BOX 26666, RICHMOND, VA Sheet 1 of 1
(Name)
(Address)
2. Plant SURRY POWER STATION Unit 2
Box 315, SURRY, VA 23883
(Name)
(Address)
3. Work Performed by VIRGINIA POWER 3800054372
- SAME Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam (Class 2)
(Name)
(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 - 19 80, NB0 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)
WEDGE DISC	Industrial Distributors, INC. (CRANE)	P/N D-2625	-	-	02-MS-84	-	REPLACEMENT	NO

7. Description of Work REPLACED DISC IN 2-MS-84
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ N/A
 Pressure _____ psf Test Temp. _____ °F
9. Remarks ENR 87-173, P.O. CSY-117463
 (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 IST Date 10-3, 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 10-4, 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 10-4-88 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., (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 OCTOBER 3, 1988
P.O. Box 26666 (Name) RICHMOND, VA Sheet 1 of 1
 (Address)

2. Plant SURRY POWER STATION Unit 2
P.O. Box 315 (Name) SURRY, VA 23883
 (Address)

3. Work Performed by VIRGINIA POWER 3800059397
SAME (Name) Repair Organization P.O. No., Job No., etc.

4. Identification of System Main steam (class 2) (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, NBS 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>BOLTS</u>	<u>CONSOLIDATED POWER SUPPLY</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-MS-TV-201C</u>	<u>-</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPLACED 7 STUDS ON 2-MS-TV-201C

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ N/A
 Pressure psi Test Temp. °F

9. Remarks P.O. CSV-1553801
 (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 10-3, 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 Replacements described in this Report on 10-4, 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 10-4-88 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 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
2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry Va. 23883 (Address)
3. Work Performed by Virginia Electric and Power Co. (3800065555)
P.O. Box 26666 (Name) Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam - CLASS 2
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, W80 Addenda, Code Cases N/A
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)
Hydraulic Snubber	I & T Grinnell	---	---	---	02-SHP-HSS-41	---	Replacement	No

7. Description of Work Snubber Replacement
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber functional test and Visual Exam VT-3
9. Remarks Snubber Replaced by Shop Spare
(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 Lead System Engineer Date 11-17, 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 ASB I & I Co of Hartford, Ct. have inspected the Replacement described in this Report on 11-17, 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 11-17-88 Inspector Robert L. Cedar Commissions NB 7009, 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 Date 11/9/88
P.O. Box 26666 (Address)
 Sheet 1 of 1

2. Plant SURRY POWER STATION Unit 2
P.O. Box 315 SURRY VA 23883 (Address)

3. Work Performed by VA POWER 3800056317
SAME (Name) Repair Organization P.O. No., Job No., etc.

4. Identification of System CHARGING SYSTEM (class 2)

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)
<u>STUDS</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-CH-FE 2160</u>	<u>N/A</u>	<u>REPLACED</u>	<u>-</u>
<u>NUTS</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-CH-FE 2160</u>	<u>N/A</u>	<u>REPLACED</u>	<u>-</u>

7. Description of Work REPLACED 8 STUDS

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

9. Remarks STUDS RD # CSY 178514/004 NUTS RD # CSY 173078/001 (SEE ATTACHMENT)
 (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 System ENG. Date 11-9, 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 F&I CO of Hartford, Ct., have inspected the replacement described in this Report on 11-10, 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 11-10-88 Robert L. Codon Commissions UB7009, 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 Dec. 12, 1988
P.O. Box 2666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work Order No. 3800070442
P.O. Box 315, Surry VA. 23883 (Name)
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Steam Generator Blowdown
 5. (a) Applicable Construction Code BSI.1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WBD 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)
Hydraulic Snubber	ITT Grinnell	—	—	—	02-WG-HSS-7A	—	Replacement	NO

7. Description of Work Replaced Snubber V-0057 with Snubber V-0096
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure psi Test Temp °F
 9. Remarks Snubber was replaced with a rebuilt.
 (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 Alexander McNeill Title ISI Date 1/9, 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 Co of Hartford, Ct. have inspected the replacement described in this Report on 1-10, 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 1-10-89 Signature Robert P. Corley Commissions Va 543 NB 7009
 (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 Dec. 12, 1988
P.O. Box 26666 (Name)
(Address)
2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Name)
(Address) Work Order No. 3800070398
3. Work Performed by Virginia Power Repair Organization P.O. No., Job No., etc.
P.O. Box 315, Surry VA. 23883 (Name)
(Address)
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code BSI.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.	Natl. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hydraulic Snubber	ITT Grinnell	-	-	-	02-CH-HSS-304	-	Replacement	NO

7. Description of Work Replaced Snubber V-0132 with Snubber V-0665
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber
Pressure psi Test Temp. °F Functional Test
9. Remarks Snubber was replaced with a rebuilt
(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 Alexander McNeill Title ISI Date 1/9, 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 1-10, 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 1-10-89 Robert S. Coder Commissions Va 543 NB 7009
(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 Dec. 12, 1988
P.O. Box 2666 (Name)
(Address)
2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 Work Order No.
(Name)
(Address) 3800070441
3. Work Performed by Virginia Power Repair Organization P.O. No., Job No., etc.
P.O. Box 315, Surry VA. 23883
(Name)
(Address)
4. Identification of System Steam Generator Blowdown
5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	-	-	-	02-WSC-HSS-6A	-	Replacement	NO

7. Description of Work Replaced Snubber V-0291 with snubber V-0672
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
Pressure _____ psi Test Temp _____ °F
9. Remarks Snubber was replaced with a rebuilt.
(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 Alexander McNeill 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&ICO, 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. Coder 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 Dec. 12, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power work order No. 38000 70399
P.O. Box 315, Surry VA. 23883 (Name) Repair Organization P.O. No., Job No., etc.
 4. Identification of System Containment Spray
 5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	-	-	-	02-CS-HSS-01A	-	Replacement	NO

7. Description of Work Snubber V-0137 replaced by Snubber V-0649
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ performed snubber Functional Test
 Pressure psi Test Temp. °F
 9. Remarks Snubber was replaced with a rebuilt.
 (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 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
 (Repair(s) or Replacement(s))

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Date 1-10-89 Robert L. Codan 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 Dec. 12, 1988
P.O. Box 26666 (Name)
 Sheet 1 of 1
 2. Plant Surry Power Station Unh. 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power 3800071800
P.O. Box 315, Surry VA. 23883 (Name) Repair Organization P.O. No., Job No., etc.
Steam Generator Blowdown (Address)
 4. Identification of System
 5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	-	-	-	02-W6C H 55-4A	-	Replacement	NO

7. Description of Work Replaced Snubber V-0052 with snubber V-0629
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Visual
 Pressure _____ psi Test Temp. _____ °F VT-3/VT-4 EXAM
 9. Remarks Snubber was replaced with a rebuilt.
 (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 Alexander McFaul Title ISI Date 1/9, 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 1-10, 19 89
 (Repairs or Replacement(s))

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Date 1-10-89 Robert L. Codan Commissions Ve 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 Dec. 12, 1988
P.O. Box 2666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work Order No. 3800070437
P.O. Box 315, Surry VA. 23883 (Name) Repair Organization P.O. No., Job No., etc.
 4. Identification of System Auxiliary Feedwater
 5. (a) Applicable Construction Code BSI.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.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hydraulic Snubber	ITT Grinnell	-	-	-	B2-WAP HSS-142	-	Replacement	NO

7. Description of Work Replaced Snubber V-0026 with snubber V-0669
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 9. Remarks Snubber was replaced with a rebuilt
 (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 Alexander McNeill JST 1/9, 1989
 (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, 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 1-10-89 Robert J. Coder Commissions Va 543 NB 7009
 (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 Dec. 12, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work Order No. 3800070438
P.O. Box 315, Surry VA. 23883 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Auxiliary Feedwater
 5. (a) Applicable Construction Code BSI.1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WBD 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)
Hydraulic Snubber	ITT	—	—	—	02-WAP HSS-143	—	Replacement	No

7. Description of Work Replaced snubber with 0674
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed snubber Functional Test
 Pressure psi Test Temp °F
 9. Remarks Snubber was replaced with rebuilt.
 (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 Alexander McNeil Title ISI Date 1/9, 1989
 (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 replacement described in this Report on 1-10, 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 1-10-89 Inspector Robert L. Coda Commissions Va 543-NB7009
 (Inspection) (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 Dec. 12, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work order No. 3800070409
P.O. Box 315, Surry VA. 23883 (Name) Repair Organization P.O. No., Job No., etc.
 4. Identification of System Reactor coolant
 5. (a) Applicable Construction Code BSI.1 19 67 Edition, NA Addenda, Code Cases NA
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 80, WBD 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)
Hydraulic Snubber	ITT Grinnell	-	-	-	02-RC-455-106	-	Replacement	NO

7. Description of Work Replaced Snubber V-0145 with Snubber V-0673
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure psi Test Temp. °F
 9. Remarks Snubber was replaced with a subunit
 (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 Title ISI Date 1/9, 1989
 (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 & E CO of Hartford, Ct. have inspected the replacement described in this Report on 1-10, 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 1-10-89 Signature Robert F. Codar Commissions Va 543 NB 7009
 (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 Dec. 12, 1988
P.O. Box 26666 (Name)
(Address)
2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Name)
(Address)
3. Work Performed by Virginia Power Work Order No. 3800070410
P.O. Box 315, Surry VA. 23883 (Name)
(Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Reactor coolant
5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	—	—	—	02-RC-HSS-101	—	Replacement	N O

7. Description of Work Replace Snubber V-0248 with Snubber V-0666
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
Pressure psi Test Temp. °F
9. Remarks Snubber was replaced with a snublet
(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 Alexander McNeill IST 1/9, 1989
(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, 1989.
(Repairs or Replacement(s))

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Date 1-10-89 Robert J. Caden Commissions Va 543 NB 7009
(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 Dec. 12, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work Order No. 3800071083
P.O. Box 315, Surry VA. 23883 (Name)
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Recirculation Spray
 5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Gunnell	—	—	—	02-RS HSS-101	—	Replacement	NO

7. Description of Work Replaced Snubber V-0628 with Snubber V-0457
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure psi Test Temp. °F
 9. Remarks Snubber was replaced with a rebuilt
 (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 Alexander McNeill Title ISI Date 1/9, 1989
 (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 1-10, 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 1-10-89 Inspector Robert J. Corder Commissions Va 543 NB7009
 (Inspection) (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 Dec. 12, 1988
P.O. Box 26666 (Name)
P.O. Box 315, Surry VA. 23883 (Address)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Name)
 3. Work Performed by Virginia Power Work Order No. 3800070439
P.O. Box 315, Surry VA. 23883 (Address)
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Feedwater
 5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	—	—	—	02-WFP -H55-3	—	Replacement	NO

7. Description of Work Replaced snubber V-0033 with snubber V-0550
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure _____ psf Test Temp. _____ °F
 9. Remarks Snubber was replaced with a repair it
 (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 Alexander McMill ISI 119, 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 P. Codan 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 Dec. 12, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work Order No. 3800070431
P.O. Box 315, Surry VA. 23883 (Name) Repair Organization P.O. No., Job No., etc.
 4. Identification of System Main Steam
 5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell				BR-SHP HSS-35A		Replacement	N/O

7. Description of Work Replaced Snubber V-0272 with Snubber V-0677
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Function Test
 Pressure psi Test Temp. °F
 9. Remarks Snubber was replaced with a rebuilt.
 (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 Alexander McMill JSI Title 1/9, 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 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 L. Codar 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 Dec. 17, 1988
P.O. Box 26666 Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883
3. Work Performed by Virginia Power Work Order No. 38000.70426
P.O. Box 315, Surry VA. 23883 Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam
5. (a) Applicable Construction Code BSI.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.	Natl. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hydraulic Snubber	ITT Grinnell	-	-	-	Q2-SHP-HSS-3A		Replacement	NO

7. Description of Work Replaced Snubber V-0165 with Snubber V-0477
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
Pressure _____ psi Test Temp. _____ °F
9. Remarks Snubber was replaced with a rebuilt.
(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 ISI 1/9, 1989
(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

Hartford, Ct. have inspected the replacement described in this Report on 1-10, 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 1-10-89 Robert J. Codan 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 Dec. 12, 1988
P.O. Box 26666 (Name)
(Address)
2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Name)
(Address)
3. Work Performed by Virginia Power Work Order No. 3800070.428
P.O. Box 315, Surry VA. 23883 Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam
5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	-	-	-	02-SHA-455-2L		Replacement	NO

7. Description of Work Replace Snubber V-0197 with Snubber V-0195
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
Pressure _____ psil Test Temp _____ °F
9. Remarks Snubber was replaced with a Tebuit
(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 Alexander McNeil ISI 1/9, 1989
(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 F&I CO of Hartford, Ct have inspected the replacement described in this Report on 1-10, 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 1-10-89 Robert J. Codan 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 Dec. 12, 1988
P.O. Box 2666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work Order No. 3800070408
P.O. Box 315, Surry VA. 23883 (Name) Repair Organization P.O. No., Job No., etc.
 4. Identification of System Reactor Coolant
 5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	-	-	-	01-KC-HSS-102	-	Replacement	NO

7. Description of Work Replace Snubber V-0141 with V-0667
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed snubber Functional Test
 Pressure psi Test Temp. °F
 9. Remarks Snubber with replaced with robust.
 (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 ISI 1/9 1989
 (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 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 1-10-89 Robert J. Codan Commissions Va 543-NB 7009
 (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 Dec. 13, 1988
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Name)
 (Address)
 3. Work Performed by Virginia Power Work order No. 3800070412
P.O. Box 315, Surry VA. 23883 (Name)
 (Address)
 4. Identification of System Reactor Coolant
 5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	—	—	—	CS-RC-HSS-104	—	Replacement	NO

7. Description of Work Replaced Snubber V-0143 with Snubber V-0411
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure psi Test Temp. °F
 9. Remarks Snubber was replaced with a rebuilt
 (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 Alexander McFall 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
 (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 1-10-89 Robert L. Coden Commissions Va 543 NB 7009
 (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 Dec. 13, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work Order No. 3800070411
P.O. Box 315, Surry VA. 23883 (Name)
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Reactor Coolant
 5. (a) Applicable Construction Code BSI.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.	CAN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hydraulic Snubber	ITT Grinnell	—	—	—	02-RC-HS-103	—	Replacement	NO

7. Description of Work Replaced Snubber V-0142 with snubber V-0456
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ performed snubber Functional Test
 Pressure psi Test Temp. °F
 9. Remarks Snubber was replaced with a submitt.
 (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 Alexander McNeill IST 1/9, 1989
 (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 HSBFI & CO of Hartford, Ct have inspected the replacement described in this Report on 1-10, 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 1-10-89 Robert L. Corder Commissions VA543 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 Dec. 13, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work Order No. 3800070427
P.O. Box 315, Surry VA. 23883 (Name)
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Main Steam
 5. (a) Applicable Construction Code BSI.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.	CAN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hydraulic Snubber	ITT Grinnell	—	—	—	02-SHP-H 55-5A	—	Replacement	No

7. Description of Work Replace Snubber V-0170 with Snubber V-0649
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure psi Test Temp. °F
 9. Remarks Snubber was replaced with a submitt
 (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 Alexander McNeill Title ISI Date 1/9, 1989
 (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 1-10, 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 1-10-89 Inspector Robert L. Codan Commissions Va 543-NB7009
 (Inspection) (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) mention 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 Dec. 14, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work order No. 3800070440
P.O. Box 315, Surry VA. 23883 (Name)
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Feedwater
 5. (a) Applicable Construction Code BSI.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.	Natl. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hydraulic Snubber	ITI Grinnell	-	-	-	03-WFL-HSS-17	-	Replacement	NO

7. Description of Work Replaced snubber V-0047 with snubber V-0301
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed snubber functional test
 Pressure psi Test Temp. °F
 9. Remarks Snubber was replaced with a rebuilt.
 (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 Alexander McQuill 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 HSD I+I Co of

Hartford, Ct. have inspected the replacement described in this Report on 1-10, 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 1-10-89 Robert S. Roden 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 Dec. 14, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power Work order No. 3800070436
P.O. Box 315, Surry VA. 23883 (Name)
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Feedwater (Address)
 5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	-	-	-	02-WAP HSS-140	-	Replacement	NO

7. Description of Work Replace Snubber V-0109 with Snubber V-0668
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure _____ psi Test Temp _____ °F
 9. Remarks Snubber was replaced with a 12" unit
 (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 Alexander McNeil ISI 1/9, 1989
 (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 HSBFI CO of

Hartford, Ct. have inspected the replacement described in this Report on 1-10, 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 1-10-89 Robert L. Codan VA543NB7009
 (Inspector) Commission (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 Dec. 14, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315 (Address) Surry VA. 23883
 3. Work Performed by Virginia Power Work Order No. 3800070413
P.O. Box 315 (Name) Surry VA. 23883 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Reactor Coolant
 5. (a) Applicable Construction Code BSI.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.	CAN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hydraulic Snubber	ITT Grinnell	-	-	-	02-RC-HSS-108	-	Replacement	NO

7. Description of Work Replaced Snubber V-0147 with Snubber V-0400
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure psi Test Temp. °F
 9. Remarks Snubber was replaced with a rebuilt
 (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 Alexander McNeill IST 1/9, 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 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 loss of any kind arising from or connected with this inspection.

Date 1-10-89 Robert T. Boden 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 Dec. 14, 1988
P.O. Box 26666 Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883
3. Work Performed by Virginia Power Work Order No 3800070435
P.O. Box 315, Surry VA. 23883 Repair Organization P.O. No., Job No., etc.
4. Identification of System Safety Injection
5. (a) Applicable Construction Code BSI-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.	Natl. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hydraulic Snubber	ITT Grinnell				02-SI HSS-101		Replacement	NO

7. Description of Work Replaced Snubber V-0087 with Snubber V-0548
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
Pressure _____ psi Test Temp. _____ °F
9. Remarks Snubber was replaced with rebuilt.
(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 Alexander McNeil IST 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, 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 1-10-89 Robert L. Codan 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 ^(Name)
P.O. Box 26666 ^(Address) Date Dec. 14, 1988
Sheet 1 of 1
2. Plant Surry Power Station ^(Name) Unit 2
P.O. Box 315, Surry VA. 23883 ^(Address)
3. Work Performed by Virginia Power ^(Name) Work Order No. 380007042.5
P.O. Box 315, Surry VA. 23883 ^(Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Recirculation Spray
5. (a) Applicable Construction Code BSI.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)
Hydraulic Snubber	ITT Grinnell	—	—	—	02-RS-1435704		Replacement	ND

7. Description of Work Replaced Snubber V-0159 with Snubber V-0651
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
Pressure _____ psi Test Temp. _____ °F
9. Remarks Snubber was replaced with a rebuilt.
(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 Alexander McNeill IST 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
(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 1-10-89 Robert L. Coda 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 Dec. 15, 1988
P.O. Box 26666 (Name)
 2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry VA. 23883 (Address)
 3. Work Performed by Virginia Power P.O. No. CSY-210126
P.O. Box 315, Surry VA. 23883 (Name) Repair Organization P.O. No., Job No., etc.
P.O. No. 3800070401 (Address)
 4. Identification of System Recirculation and Transfer
 5. (a) Applicable Construction Code BSI.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)
Mechanical Snubber	Anchor Darling	-	-	-	02-PS MSS-2A	-	Replacement	NO

7. Description of Work Replaced Snubber M-2033 with Snubber M-2067 (New)
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure _____ psi Test Temp _____ °F
 9. Remarks P.O. CSY-210126
 (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 JSI 1/9, 1989
 (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, 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 1-10-89 Robert S. Codan Commissions Va 543-PB 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 Dec. 15, 1988
P.O. Box 26666 (Name) Sheet 6 of 1
 2. Plant Surry Power Station (Address) Unit 2
P.O. Box 315, Surry VA. 23883 (Name)
 3. Work Performed by Virginia Power P.O. No. CSY-210126
P.O. Box 315, Surry VA. 23883 (Address) W.O. No. 3800070403
 4. Identification of System Recirculation and Transfer
 5. (a) Applicable Construction Code BSI.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)
Mechanical Snubber	Anchor Darling	-	-	-	03-PS-MSS-2B	-	Replacement	No

7. Description of Work Snubber M-2034 replaced with Snubber M-2065 (New)
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks Suber P.O. # CSY-210126
 (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 Alexander McQuill Title ISE Date 1/9, 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 1-10, 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 1-10-89 Signature Robert J. Boden 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 12-16-88
(Name)
P.O. Box 2666 Sheet 1 of 2
(Address)
2. Plant Surry Power Station Unit 2
(Name)
P.O. Box 315 Surry VA. 23883
(Address)
3. Work Performed by VA Power 3800073990 & 73400
(Name) Repair Organization P.O. No., Job No., etc.
same (Address)
4. Identification of System Class 1 Socket Welds
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>Welds</u>	—	—	—	—	<u>1-Vir-4209 #5</u>	—	<u>Replacement</u>	<u>NA</u>
	—	—	—	—	<u>4209 #4</u>	—	<u>Repairs</u>	<u>NA</u>
	—	—	—	—	<u>4108 #40</u>	—	—	<u>NA</u>
	—	—	—	—	<u>4308 #16</u>	—	—	<u>NA</u>
	—	—	—	—	<u>4308 #18</u>	—	—	<u>NA</u>
	—	—	—	—	<u>4213 #12</u>	—	—	<u>NA</u>

7. Description of Work Repair Welds per ENR-88-412
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure _____ psi Test Temp. _____ °F
9. Remarks ENR-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 conforms to Section XI of the ASME Code.
(repair or replacement)

Signed [Signature] Title ISI Date 12/16, 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 S I Co. of Hartford, CT, have inspected the Replacement described in this Report on 12-19, 19 88
(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 12-19-88 Robert J. Coden 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 FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Power Name P.O. Box 26666 Address
2. Plant Surry Power Station Name Same Address
3. Work Performed by W. Power Name Same Address
4. Identification of system Class 1 welds (sockets)
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 80W80

6. Identification of Components Repaired or Replaced or Replacement Components

[illegible]

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 Dec. 16, 1988
P.O. Box 26666 (Name)
(Address)
2. Plant Surry Power Station Unit 2
P.O. Box 315, Surry Va. 23883 (Name)
(Address)
3. Work Performed by Virginia Power Work Order No. 3800070434
P.O. Box 315, Surry Va. 23883 Repair Organization P.O. No., Job No., etc.
(Name)
(Address)
4. Identification of System Safety Injection
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.	Natl. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Hydraulic Snubber</u>	<u>ITT Grinnell</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>02-SI HSS-20</u>	<u>-</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replaced Snubber V-0077 with Snubber V-0527
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Performed Snubber Functional Test
Pressure psi Test Temp. °F
9. Remarks Snubber replaced with rebuilt.
(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 Alexander McNeil IST 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, 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 1-10-89 Robert L. Coda 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 (Name) Date 1-6-89
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 (Address) Surry VA 23883
3. Work Performed by VA Power (Name) 3800070424
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Refr. 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, 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>Gasket</u>	<u>ITT</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-WS-HSS 103</u>	<u>-</u>	<u>Replacement</u>	<u>-</u>

7. Description of Work Replaced Gasket with U-0626
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Functional Test
 Pressure psi Test Temp °F
9. Remarks Gasket was replaced with rebuilt.
 (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 Alexander McGill ISI Title (Date) 1/9, 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 1-10, 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 1-10-89 Robert P. Coda Commissions VA 543 NB 7009
 (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 Date 1-6-89
P.O. Box 2666 (Name)
(Address)
2. Plant Surry Power Station Unit 2
P.O. Box 315 (Name)
Surry VA 23883 (Address)
3. Work Performed by VA Power 3800070400
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Cont. Steam
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, 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)
Snubber	ITT Grinnell	-	-	-	2-CS-HSS 01B	-	Replacement	-

7. Description of Work Replaced with V-0549
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Functional Test
Pressure psi Test Temp. °F
9. Remarks Replaced snubber with a new one.
(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 Alexander McNeill 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 ISI Co. of Hartford, CT. have inspected the Replacement described in this Report on 1-10, 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 1-10-89 Robert L. Corder Commissions VA 543 NB 2009
(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 1-20-89
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 (Address) Surry VA 23883
3. Work Performed by VA Power (Name) 3800071971
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam
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>Surber</u>	<u>DTI Grinnell</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-SHP-HS-14A</u>	<u>-</u>	<u>Replacement</u>	<u>-</u>
<u>Surber</u>	<u>DTI Grinnell</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-SHP-HS-14B</u>	<u>-</u>	<u>Replacement</u>	<u>-</u>

7. Description of Work Replaced Surbers
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ Pressure psi Test Temp. °F
9. Remarks Surbers functionally tested prior installation (encl. 47-218) P.O. # 654-210387
 (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 Date 1-20, 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 of 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. Cochran Commissions VA 543 NB 7009
 (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 1-24-89
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 Surry VA. 23883 (Address)
3. Work Performed by VA. Power (Name) 3800074951
Same (Address) Repair Organization P.O. No., Job No., etc.
EWR-88-452
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, 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)
pipe	Hub, Inc.	-	-	-	2"-rt-306-602	-	Replacement	-
elbow (2)	Hub, Inc.	-	-	-	"	-	Replacement	-
Tee (1)	Hub, Inc.	-	-	-	"	-	Replacement	-
Bolt (Hilti)	Hilti System Inc.	-	-	-	H-9315	-	Replacement	-
strap	Dubose Steel Inc.	-	-	-	H15	-	Replacement	-

7. Description of Work Replaced pipe, elbow & Tee. install new U Bolt & strap.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
9. Remarks P.O. CSY 218837 (pipe), CSY-218837 (elbow), CSY 224852 (strap), CSY-218135 (U-Bolt)
(Applicable Manufacturer's Data Reports to be attached) CSY-191376 (Tee)

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 Ellen McNeil (Owner or Owner's Designee) Title ISI (Date) 1/25, 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 VA, employed by HSB ISI Co. of Hartford, CT. have inspected the Replacement described in this Report on 1-25, 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 1-25-89 (Inspector) Robert L. Cordeiro Commissions VA 543 NB7009 (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 1-25-89
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 Surry VA 23883 (Address)
3. Work Performed by VA Power (Name) 3800073990 (EUR-88-412)
same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System CH (Loop Fill - 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, 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)
elbow	Alloy stainless	-	-	-	2"-CH-309-1103	-	Replacement	NO
elbow	Alloy stainless	-	-	-	2"-CH-308-1103	-	Replacement	NO

7. Description of Work Replaced elbow for Failure Analysis.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
9. Remarks P.O. CSY - 216393
 (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 Oliver McNeill Title ISI (Date) 1/25, 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 1-25, 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 1-25-89 Robert L. Coder Commissions Va 543 NB7009
 (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 Date 2-27-89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit 2
P.O. Box 315 (Name)
Surry, VA 23883 (Address)
 3. Work Performed by VA Power 38000 Various
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System Various
 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)
							Replacement	

7. Description of Work Replacement of submer with rebuilt
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks All submer were functionally tested prior 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 David L. Dozer ISI Feb. 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 2-28, 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 2-28-89 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 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

Date 2-27-89

Sheet 2 of 3

Unit 2

35 VR. POWER

Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp 10

Authorization No. 10

Expiration Date 11/18

4. Identification of system Various

5. (a) Applicable Construction Code B31-1 1967 Edition, NA Addenda, NA Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W80

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Mfr.	Other Identification	Work Order Number	Identification of System	Repair or Replacement
Hydraulic Snubber	ITT	2-RC-HSS-119	3800070768	Reactor Coolant (class 1)	Replacement
Hydr. Snubber	ITT	2-RH-HSS-31	3800070418	RHR (class 2)	Replacement
Hydr. Snubber	ITT	2-HS-HS-35B	3800076459	Main steam (class 1)	Replacement
Hydr. Snubber	ITT	2-RH-HSS-38	3800070419	RHR (class 2)	Replacement
Hydr. Snubber	ITT	2-RH-HSS-22	3800070417	RHR (class 2)	Replacement
Hydr. Snubber	ITT	2-RC-HSS-107	3800070404	RC (class 1)	Replacement
Hydr. Snubber	ITT	2-RC-HSS-113	3800070406	RC (class 1)	Replacement
Hydr. Snubber	ITT	2-CC-HSS-357	3800070396	CC (class 3)	Replacement
Hydr. Snubber	ITT	2-RH-HSS-13	3800070420	RHR (class 2)	Replacement
Hydr. Snubber	ITT	2-RC-HSS-112	3800070405	RC (class 1)	Replacement

SUPPLEMENTAL SHEET

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

1. Owner Virginia Power Date 2-27-89
Name
P.O. Box 26666 Sheet 3 of 3
Address
 2. Plant Surry Power Station Unit 2
Name
P.O. Box 315 Surry, VA 23883 VP-Power
Address Repair Organization P.O. No, Job No, etc.
 3. Work Performed by VA. Power Type Code Symbol Stamp NA
Name Authorization No. NA
Same Expiration Date NA
Address

4. Identification of system Various

5. (a) Applicable Construction Code B31-1 1967 Edition, NA Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W80

6. Identification of Components Repaired or Replaced or Replacement Components

Name of Component	Name of Mfr.	Other Identification	Work Order Number	Identification of System	Repair or Replacement
Hydraulic Snubber	ITT	2-SI-HS-22B	3800070433	SI (class 2)	Replacement
Hydr. Snubber	ITT	2-RH-HS-25	3800070421	RHR (class 2)	Replacement
Hydr. Snubber	ITT	2-CC-HS-359	3800070397	CC (class 3)	Replacement
Hydr. Snubber	ITT	2-RH-HS-21	3800070416	RHR (class 2)	Replacement
Hydr. Snubber	ITT	2-RH-HS-28	3800070422	RHR (class 2)	Replacement
Hydr. Snubber	ITT	2-RH-HS-27	3800070423	RHR (class 2)	Replacement
Hydr. Snubber	ITT	2-RC-HS-117	3800070407	RC (class 3)	Replacement

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 MARCH 13, 1989
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 56 316
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System CHEMICAL VOLUME AND CONTROL SYSTEM, 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 Mtr.	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 (6)</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>02-CH-FCV-2160</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replaced B/B STUDS AND BOLTS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure psi Test Temp. °F
9. Remarks STUDS (PO # CSY118940) Replaced 3/13/89
 (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 Alex McNeill ISI March 13, 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 March 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 3/13/89 Robert L. Coker 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 3/30/89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 3800072973
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
 4. Identification of System RESIDUAL HEAT - RELIEF VALVES
 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 SH.</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>02-RH- RV-2721</u>		<u>REPAIRED</u>	<u>NO</u>
<u>STUDS</u>	<u>NOVA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>11</u>		<u>LI</u>	<u>NO</u>

7. Description of Work TEST/REPAIR RELIEF VALVE.
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks NUT P.O.# 554-1972 O'S, STUDS - CS4-205331
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. L. Rogers Title ISI Date 3/30, 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 REPAIRED 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. 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) 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 TWO
(Name)
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power 38000 75144
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System FLOW CONTROL VALVE (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>3/8" Threaded Bar</u>	<u>NOVA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>02-RH FLV-2605</u>		<u>REPLACEMENT</u>	<u>NO</u>
<u>NUT 3/8"</u>	<u>NOVA</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>02-RH FLV-2605</u>		<u>Replacement</u>	<u>NO</u>

7. Description of Work REMOVE, CLEAN, INSPECT VALVE THEN REINSTALL + REPLACE BOLTING.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure psi Test Temp. °F
9. Remarks Threaded Bar PO # 554 184231, NUTS PO # CSY-2001841
(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 3/30 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 3/30, 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 3-30-89 Robert L. Parker 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 3-30-89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. POWER 3800055857
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
VALVE	HARRY VOLT	NA	NA	NA	02-CC-788		REPLACE	no

7. Description of Work REPAIR W/ CHESTERTON, WELD VALVE - INTO SYSTEM - REPLACE VALVE
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp _____ °F
 9. Remarks VALVE DO # (54-157758)
 (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. L. Rogers ISI 3/30, 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 REPLACE 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 L. Cochran 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 3/30/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800070818
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System CHEMICAL VOLUME AND CONTROL, 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)
<u>OIL COOLER</u>	<u>BASCO</u>	<u>6A32A05036</u>	<u>NA</u>	<u>NA</u>	<u>01-14-E-5C</u>	<u>NA</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACE OIL COOLER
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure NO P psi Test Temp. NOT °F
9. Remarks COOLER PO # SV-09893
 (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 David R. Rose ISI 3/30, 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 REPLACED described in this Report on 3/30, 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 3-30-89 Robert J. Cohen Commissions NB7009 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 VA. Power Date 3/31/89
(Name)
P.O. Box 26666 Sheet 1 of 1
(Address)
2. Plant Surry Power Station Unit 2
(Name)
P.O. Box 315, Surry, VA.
(Address)
3. Work Performed by VA. Power 3800039069
(Name) Repair Organization P.O. No., Job No., etc.
SAME (Address)
4. Identification of System MAIN STEAM
5. (a) Applicable Construction Code A31.1 19 67 Edition, N/A Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1980, WS6 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>1/2" Gate Valve</u>	<u>Henry Vogt</u>	<u>R4634F</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-266</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 1356 psi Test Temp. 700 °F 3/31/89
9. Remarks GATE VALVE DO# 174633
(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. Royle ISE Eng 3/31, 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 3-31, 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 3-31-89 Robert L. Corden 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 4-3-89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800075726
Same (Name)
 (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.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Value (18")	Honeywell	1871846	NA	NA	02-CC-104	NA	Replacement	No

7. Description of Work Replace Value
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure 10.0 psi Test Temp. NOT °F
9. Remarks Value Po # CSU-223987
 (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. Rogers ISI 4-3, 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 4-5, 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 4-5-89 Robert L. Carls Commissions NB7009-11a543
 (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 4-3-89
P.O. Box 26666 (Name)
(Address)
Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
(Address)
3. Work Performed by VA. Power 38000 717 32
Same (Name)
(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.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve stop	McJunkin	NA	NA	NA	02-CH-279	NA	REPLACE	No
2" Pipe	RANDOR	NA	NA	NA	11	NA	Replaced	NO

7. Description of Work Cut OUT, REPLACE VALVE
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure _____ psi Test Temp. _____ °F
9. Remarks VALVE STOP PO# NS-65611, 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 Replaced conforms to Section XI of the ASME Code. (repair or replacement)

Signed [Signature] ISI April 7, 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 4-7, 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 4-7-89 Robert L. Corda 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 4-3-89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 20050
Same (Name) Repair Organization P.O. No., Job No., etc.
 (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)
<u>Valve (2")</u>	<u>Corval Inc.</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>02-BD-13</u>	<u>NA</u>	<u>Replaced</u>	<u>NO</u>
<u>2" pipe Carbon Steel</u>	<u>Sharontube</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>"</u>	<u>NA</u>	<u>Replaced</u>	<u>NO</u>
<u>2" Carbon Steel pipe</u>	<u>J.H. Frischkorn</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 Valve.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1350 PSI Test Temp. 185 °F
9. Remarks Value Po # SS4-139062 2" pipe carbon steel Po # CS4-194192
2" Carbon Steel pipe Po # SS4-11181
 (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 R. L. Logan ISI 4-3 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 8-15, 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 8-15-89 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., (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 4-5-89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 58 345
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)
90°-ELBOW	CONSOLIDATED POWER SUPPLY	4149793	NA	NA	02-SW-E-1A	NA	Replace	NA
FLANGE	CONSOLIDATED POWER SUPPLY	41503740	NA	NA	02-SW-E-1A	NA	Replace	NA
1 1/2" PIPE	CAPITAL PIPE STEEL CO.	N/A	NA	NA	02-SW-E-1A	NA	Replace	NA
FLANGE FIT	FLUOROCARBON METALLIC DIS.	41333400	NA	NA	02-SW-E-1A	NA	Replace	NA

7. Description of Work REPAIR COOLER
 8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks 1) 90° ELL. PO# : CSY 204732 2) Flange PO# : CSY-205999-06 3) 1 1/2" PIPE PO# : IA-57573
 (Applicable Manufacturer's Data Reports to be attached)
4) Flange FIT PO# : CSY 151424 -1

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 [Signature] ISI May 3, 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 5-3, 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 5-3-89 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 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 TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 74602
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
 4. Identification of System MAIN STEAM
 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					02-MS-110		REPAIRED	
NO NEW MATERIAL USED.								

7. Description of Work WELD REPAIR FLANGE MACHINE REPAIRED AREA
 8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1350 psi Test Temp. 180 °F
 9. Remarks NO PO #3 NEEDED HYDRO PERFORMED ON 07-24-89
 (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 David H. Rogers Title ISI Date 4/85, 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 REPAIR described in this Report on 8-15, 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 8-15-89 Signature Robert F. 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., (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 5-4-89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800071398
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)
(1) 1 1/4" Bolt	Sales System LTD	2290046	NA	NA	02-RC-E-1A	NA	Replaced	NA
(2) 1 1/4" Bolt	Westinghouse Electric	22900460	NA	NA	02-RC-E-1A	NA	Replaced	NA
(1) 1 1/4" Bolt	Westinghouse Electric	2290046	NA	NA	02-RC-E-1A	NA	Replaced	NA

7. Description of Work Remove, reinstalled Perform Steam Repair
1) Secondary manway 2) drum inspection 3) Manway leak
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
9. Remarks 1) 1 1/4" Bolt PO# : SY-06013 (See) 2) 1 1/4" Bolt PO# : SSY-120335 (See)
3) 1 1/4" Bolt PO# : SY-16205 (See)
 (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 May 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 Replacements described in this Report on 5-25, 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 5-25-89 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 5-17-89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800054351
Same (Name)
 (Address)
 Repair Organization P.O. No., Job No., etc.
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)
<u>1/2 - HEX NUT</u>	<u>HRDWR SPCL</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>02-CS-49</u>	<u>NA</u>	<u>REPLACE</u>	<u>NO</u>
<u>3/4 - THRD. BAR</u>	<u>"</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>02-C3-49</u>	<u>NA</u>	<u>REPLACE</u>	<u>NO</u>

7. Description of Work REPAIR VALVE AS REQUIRED - FREEZE ISOLATION
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure psi Test Temp. °F
9. Remarks HEX NUT PO# - 554-197817, 3/4 - THREADED BAR PO# - 554-180092
 (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. Brown ISI May 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&T CO. of

Hartford, CT. have inspected the REPLACEMENT described in this Report on 5-19, 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 5-19-89 Robert L. Cohen Commissions NR 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 6/2/89
P.O. Box 26666 (Address) Sheet 1 of 1

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

3. Work Performed by VA. Power (Name) 38000 22152 (CWR-89-116)
Same (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of 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>Pump</u>	<u>CRANE</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-SUP-5A</u>	<u>N/A</u>	<u>REPLACE</u>	<u>N/A</u>

7. Description of Work INSTALLED ORIGINAL DESIGN PUMP

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure 45 psi Test Temp. NOT °F

9. Remarks PO# CNT 224391-1
 (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 W. E. L. L. L. (Owner or Owner's Designee) Title ISI Date JUNE 2, 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 6-2, 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 6-2-89 Robert L. Codan (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 6-28-89
P.O. Box 2666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 (Address) Surry VA 23883
3. Work Performed by VA Power (Name) 38000 73626, 73628
same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Steam Generator secondary side (Class 2)
5. (a) Applicable Construction Code B31.1 19 67 Edition, VA 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	Westinghouse	-	-	-	2-RC-E-1B	-	Replacement Repair	-
Manway	"	-	-	-	2-RC-E-1C	-	Repair	-

7. Description of Work Machine Manway (Secondary Side) due to steam cut
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒
Pressure 2300 psi Test Temp. 175 °F
9. Remarks ENR-08-433
(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 P. Rozane 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 or Province of VA, employed by HSB ISI Co. of Hartford, CT. have inspected the Replacement described in this Report on 6-28, 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 6-28-89 Inspector Robert L. Cohen Commissions NB37009 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 6/29/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 74037
Same (Name) Repair Organization P.O. No., Job No., etc.
 (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)
2" Valve	William Powell	0500127	NA	NA	2-IA-868	NA	Replaced	NO

7. Description of Work Replaced Valve
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐ Other ☐
 Pressure 138 psi Test Temp. Ambient °F
9. Remarks
 (Applicable Manufacturer's Data Reports to be attached) 2" Valve - PO# 5420091

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 June 29, 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 6-29, 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 6-29-89 Robert F. Cochran Commissions NB7009 Va543
 (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 6/30/89
P.O. Box 26666 (Name)
(Address) Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
(Address)
3. Work Performed by VA. Power 3800082693 / EWR 89-460
(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)
6" Gate Valve	POWER	1793	—	—	2-SW-306	—	REPLACED	—

7. Description of Work Replaced Valve
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Pressure 4 psi Test Temp. 105 °F
9. Remarks
(Applicable Manufacturer's Data Reports to be attached)
6" Gate Valve - PO# SY-250808

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. Logan ISI July 6, 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 7-7, 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 7-7-89 Robert F. 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 06-30-89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 072102
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System MAIN STEAM SYSTEM - PIPE SUPPORTS
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>Support</u>	<u>N/A</u>	<u>N/A</u>	<u>MA</u>	<u>MA</u>	<u>H-37 ON 30" SHP-123-601</u>	<u>MA</u>	<u>Repair</u>	<u>NO</u>
<u>Support</u>	<u>N/A</u>	<u>N/A</u>	<u>MA</u>	<u>MA</u>	<u>H-34 ON 30" SHP-123-601</u>	<u>MA</u>	<u>Repair</u>	<u>NO</u>

7. Description of Work Removed Linear indication from weld # 1 & 44 of support H-34
Remove Linear indication from weld # 8 of support H-37 by grinding
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ MT Finished weld
 Pressure _____ psi Test Temp. _____ °F
9. Remarks MT PIPAL WELD
 (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 [Signature] ISI 06/30 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 Repair described in this Report on 06/30, 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 6-30-89 Robert F. 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 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 07-06-89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 81732
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System COMPONENT COOLING SYSTEM - RESIDUAL HEAT REMOVAL 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>SUPPORT</u>	<u>MA</u>	<u>MA</u>	<u>MA</u>	<u>MA</u>	<u>2-RH-E-2A</u>	<u>MA</u>	<u>REPAIRMENT</u>	<u>NO</u>
<u>SUPPORT</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>2-RH-E-2B</u>	<u>/</u>	<u>REPAIRMENT</u>	<u>NO</u>

7. Description of Work CUT AND CAPPED 4" 1" CC PIPES ON RHR FLAT; INSTALLED SUPPORTS FOR RHR PUMPS A+B
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Seal Cooler.
 Pressure NOP psi 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 Repair conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed W. L. Rogers ISI Title 07/06, 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&I CO. of

Hartford, CT. have inspected the Repair described in this Report on 07/06, 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 7-7-89 Robert J. Cook Commissions NB7009 Ja 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 7/21/89
P.O. Box 266666 (Address) Sheet 1 of 1
2. Plant SURRY POWER STATION (Name) Unit 2
SURRY, VA. P.O. BOX 315, 23883 (Address)
3. Work Performed by VA. POWER (Name)
- SAME (Address) DC89-08/P3-42
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, WS 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>1 1/2" PIPE</u>	<u>JOHN H. FAISCHOW</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>—</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>N/A</u>
<u>2" CHILLER (24)</u>	<u>INVENTORY</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>2-CC-214</u> <u>2-CC-587</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>1 1/2" TEE (44)</u>	<u>JOHN H. FAISCHOW</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>1 1/2" ELB (44)</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>1 1/2" REDUCER (82)</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</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 1 1/2" PIPE - PO# 251952, 2" CHILLER - PO# 251425, 1 1/2" TEE - PO# CSY251952,
1 1/2" ELB - PO# CSY251952, 1 1/2" REDUCER - PO# CSY251952
(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. Brown ISE ENG. Title JULY 21, 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 ASB I & I CO of Hartford, CT have inspected the Replacement described in this Report on 7-24, 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 7-24-89 Robert J. Cohen Commissions VB7009, 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 Date 7/21/89
(Name)
P.O. Box 26666 Sheet 1 of 1
(Address)
2. Plant Surry Power Station Unit 2
(Name)
P.O. Box 315, Surry, Va. 23883
(Address)
3. Work Performed by Va. Power
(Name)
Service
(Address)
DC89-08/P2-42
Repair Organization P.O. No., Job No., etc.
4. Identification of System COMPENSATOR COLUMN
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.	Mfr. 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" PIPE</u>	<u>JOHN H. REISCHMAN</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>N/A</u>
<u>2" CHURN (GEN)</u>	<u>INVENTORY</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-CC-98</u> <u>2-CC-556</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>N/A</u>
<u>1 1/2" REDUCED (3/4")</u>	<u>JOHN H. REISCHMAN</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>N/A</u>	<u>N/A</u>	<u>u</u>	<u>u</u>
<u>1/2" EL (1/4")</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>
<u>1/2" TEE (3/4")</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>	<u>u</u>

7. Description of Work DESIGN CHANGE TO EXISTING SYSTEM ("A" LOOP)
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure 3106 psi Test Temp. 210°F
9. Remarks 1 1/2" PIPE - PO# CS4251952; 2" CHURN - PO# CNT-251425; 1/2" TEE - PO# CS4251952
(Applicable Manufacturer's Data Reports to be attached)
1 1/2" REDUCED - PO# CS4251952; 1/2" TEE - PO# CS4251952

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 P. Kozak ISE ENG. July 21, 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 7-24, 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 7-24-89 Robert F. Ocker 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 7/21/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315, Surry, Va. 23883 (Address)
3. Work Performed by V.P. Power (Name) DC 89-08/21-42
- 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, N/A 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>1 1/2" PIPE</u>	<u>JOHN H. FAIRBORN</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>—</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>N/A</u>
<u>2" CHECK VALVE</u>	<u>INTEGRITY MANUFACTURING</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>2-CC-94</u> <u>2-CC-555</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>1 1/2" TEE (300)</u>	<u>JOHN H. FAIRBORN</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>1 1/2" ELB (150)</u>	<u>"</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>1 1/2" REDUCER (300)</u>	<u>"</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

7. Description of Work DESIGN CHANGE TO EXISTING SYSTEM ("A" LOOP)
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure 3106 psi Test Temp 100°F
9. Remarks 1 1/2" PIPE - P.O.# CSY251952, 2" CK. VAL - P.O.# CNT-251925, 1 1/2" TEE - P.O.# CSY251952,
1 1/2" ELB - P.O.# CSY251952, 1 1/2" REDUCER - P.O.# CSY251952
(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 (Owner or Owner's Designee) Title ISI ENG. Date July 21, 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 7-24, 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 7-24-89 Robert L. Corda (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 7/26/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit two
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 39801
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, WB80 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) Nuts	Hardware Specialties	02019990	N/A	N/A	2-CH-PP-380	N/A	Replaced	NO
(8) 2" Studs	Cardinal Industrial	27cm #5 on PO	N/A	N/A	2-CH-PP-380	N/A	Replaced	NO

7. Description of Work Install Blank Flange
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) Nuts PO #CSY-219481
2" Studs PO #CSY-206074

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) Title ISI Date July 29, 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 7-31, 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 7-31-89 R. L. Cohen (Inspector) Commissions WB7009-1a543 (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 07-28-89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 72495 EWR 88-133 P2-U2
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System MAIN FEEDWATER 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>14" x 16" Reducer</u>	<u>Rooper-Huys</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-FW-PSFR-3</u>		<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOW</u>					<u>2-FW-PSF2-83</u>		<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOW</u>					<u>2-FW-PSF2-84</u>		<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOW</u>					<u>2-FW-PSF2-85</u>		<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOW</u>					<u>2-FW-PSF2-86</u>		<u>REPLACED</u>	<u>NO</u>
<u>14" PIPE</u>					<u>2-FW-PPS-127, 129</u>		<u>REPLACED</u>	<u>NO</u>

7. Description of Work 14" WFPD-113-601 - CUT OUT & REPLACED 4 90° ELBOWS; Reducer (14"x16") And Spool piece
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1373 psi Test Temp. 185 °F
9. Remarks PIPING AND ELBOWS FOUND UNDER P0th CSY 211902 AND 212745 Reducer P# CSY 169588
(Applicable Manufacturer's Data Reports to be attached) EWR 88-133 P2-U2

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 Title ISI Date July 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 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
 (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 Signature Robert J. Code 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 07-28-89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 72847 EWR 88-133 P1-U2
Same (Name) Repair Organization P.O. No., Job No., etc. AND P4-U2
 (Address)
 4. Identification of System MAIN FEED WATER 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)
14"x16" Reducer	Radco/Alloys	N/A	N/A	N/A	2-FW-PSF2-1		REPLACED	NO
90° ELBOW					2-FW-PSF2-62		REPLACED	NO
90° ELBOW					2-FW-PSF2-63		REPLACED	NO
90° ELBOW					2-FW-PSF2-64		REPLACED	NO
90° ELBOW					2-FW-PSF2-65		REPLACED	NO
14" PIPE					2-FW-PPS-186, 187, 189		REPLACED	NO
90° ELBOW					2-FW-PSF2-61		REPLACED	NO

7. Description of Work 14" UPD-117-61 - CUT OUT & REPAIRED Reducer (14"x16") ; 5 90° ELBOWS & SPOOL PIPE AND 14" PIPE REPL (S/16")
 8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1373 psi Test Temp. 185 °F
 9. Remarks PIPE SWEEP FOUND UNDER PO# CSY 220413 ; Reducer PO# CSY 169588
(Applicable Manufacturer's Data Reports to be attached) PIPE & ELBOWS PO# CSY 211902
EWR 88-133 P1-U2 AND P4-U2

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. P. [Signature] ISI Title July 29, 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, 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 Robert J. Cochran 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 07-28-89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000755 11 EWB 88-133 P3-U2
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
4. Identification of System MAIN FEEDWATER 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>14"x16" Reducer</u>	<u>RADWAL ALLOY</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-FW-PSFR-2</u>		<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOW</u>					<u>2-FW-PSF2-103</u>		<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOW</u>					<u>2-FW-PSF2-104</u>		<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOW</u>					<u>2-FW-PSF2-105</u>		<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOW</u>					<u>2-FW-PSF2-106</u>		<u>REPLACED</u>	<u>NO</u>
<u>1" PIPE</u>					<u>2-FW-PPS-167</u>		<u>REPLACED</u>	<u>NO</u>

7. Description of Work 14" WFPD-109-601 CUT OUT & REPLACED 4 90° ELBOWS; Reducer (14"x16") AND SPool piece
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1373 psi Test Temp. 185 °F
9. Remarks PIPING AND ELBOWS FOUND UNDER PD # 212745 Reducer P# CSY 169588
 (Applicable Manufacturer's Data Reports to be attached) EWB 88-133 P3-U2

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. Rogers Title ISI Date July 29, 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 Signature Robert L. Cohen Commissions NB7209, 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 7/28/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1

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

3. Work Performed by VA. Power 3800012424
Same (Name)
 (Address) Repair Organization P.O. No., Job No., etc.

4. Identification of System CC

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)
VALVE	FISHER	MODEL 8510	N/A	N/A	2-CC-TV 209A	N/A	Replacement	NO

7. Description of Work REPLACE VALVE 2-CC-TV-209A WITH FISHER MODEL 8510

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ PT-18.6B
 Pressure 165 psi Test Temp. AMBIENT °F PT-18.10F

9. Remarks PO NO S5Y 137554-1
 (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 D. L. Brown 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 R. 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 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 (Name)
(Address) Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
(Address)
3. Work Performed by VA. Power 38000 49141
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)
Flange	J.H. Frischkorn	38509550	N/A	N/A	2-SW-70	N/A	Replaced	NO
1 1/2" Pipe	M. Smith Corp	385087	N/A	↓	↓	↓	↓	↓
Valve	PBE Provalco	20509270	↓	↓	↓	↓	↓	↓
90 ELLS	J.H. Frischkorn	4183040	↓	↓	↓	↓	↓	↓

7. Description of Work Replace Valve and Fittings
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure 55 psi Test Temp. 80 °F
9. Remarks 1 1/2" Pipe PO # 74560; Flange PO # 54-131809
Value PO # 559-125604 90 ELLS PO # 54-112541
(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 J. P. Duggan 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, 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 L. Cohen 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 Date 07-31-89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 DCP 88-02
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Recirculation Spray System (TIDE)
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>TWO SPALL PIPES</u>	<u>SOHL-FRISCHKE</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>10" RS-101-153</u> <u>10" RS-102-153</u>	<u>—</u>	<u>Replaced</u>	<u>NO</u>
<u>8 FLANGES</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>10" RS-101-153</u> <u>10" RS-102-153</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work MODIFIED ORIGINAL PIPING TO FACILITATE TEMPORARY TEST LINE UP FOR FLOW TESTING
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 110 psi Test Temp Ambient °F
9. Remarks 10" Pipe Found Under P0# SSY-193272 (S/S SCH40 TYPE 304); FLANGES UNDER P0# SSY-193275
 (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 07-31-89 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 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 [Signature] Commissions NB 7009-1/2 543
 (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 8/8/89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 77972
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)
(4) <u>3/4" STUDS</u>	<u>Hardware Specialties</u>	<u>37882560</u>	<u>N/A</u>	<u>N/A</u>	<u>2-CH-E-2</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
(8) <u>NUTS</u>	<u>Hardware Specialties</u>	<u>37591750</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>

7. Description of Work Engage Studs & Nuts
 8. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached) Nuts PO# 554-197203
STUDS PO# 554-230935

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 D. L. Rogers 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 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 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
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 24033 / EWR 88-405
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Cryogenic 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 is or No
<u>3" Pipe</u>	<u>INDUSTRIAL DISTRIBUTORS</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>3"CC-165-151</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>N/A</u>
<u>(4EA) 3" FLANGES</u>	<u>JOHN H. FRISCHMUTH</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>3"CC-165-151</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>N/A</u>
					<u>3"CC-162-151</u>	<u>N/A</u>		

7. Description of Work MODIFICATION TO EXISTING SYSTEM (CC TO "C" RCP)
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure NOP psi Test Temp. NOT °F
9. Remarks PIPE: PO # 35237 IN #3, FLANGES: PO # CSY143925 EN #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 REPAIRMENT conforms to Section XI of the ASME Code.
 (repair or replacement)

Signed D. L. Rozen ISI AUG. 14, 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&T CO. of Hartford, CT. have inspected the Replacement described in this Report on 8-25, 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 8-25-89 Robert L. Corden 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 8/19/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 78354
-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)
(1ea) $\frac{1}{2}$ " STU PS	Hardware Specialty	37882460	N/A	N/A	2-RC-P-12 Flanges	N/A	Replaced	NO
(2ea) $\frac{1}{2}$ " NUTS	Camelback Industrial	02019890	↓	↓	↓	↓	↓	↓

7. Description of Work Disconnect CC Flanges / Engineer Evaluate, repairs as required / reconnect
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure NOT psi Test Temp NOT °F
9. Remarks $\frac{1}{2}$ " STU DS PO# 219702
 $\frac{1}{2}$ " NUTS PO# 248158
 (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 _____, 19____
 (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 8-15, 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 Robert L. 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 Date 8/17/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 79146
 (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.	CAN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>1 1/2" ELBO</u>	<u>McLORNE & WOOD</u>	<u>3840078</u>	<u>N/A</u>	<u>N/A</u>	<u>WS-186 21B</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>TUBING</u>	<u>Guyon Inc.</u>	<u>3655265</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 Replace Pipe and Fittings
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 50 psi Test Temp Ambient
9. Remarks TUBING PO# 26479
1 1/2" ELBO PO# 81361
 (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 5220, 19 88
 (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
 (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 9-5-89 Robert J. Ordan Commissions NB 7009-Va 573
 (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 08-28-89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800072035 (EWK-88-236)
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System AUXILIARY S/G FEED PUMP HEADER TO S/G ISOLATION
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	VELAN				MOV-FW 251A	N/A	Replaced	no
3" VALVE	VELAN				251B		Replaced	✓
3" VALVE	VELAN				251C		Replaced	✓
3" VALVE	VELAN				251D		Replaced	✓
3" VALVE	VELAN				251E		Replaced	✓
3" VALVE	VELAN				251F	✓	Replaced	✓

7. Description of Work Replaced MOV-251A-F valves and spool pieces Modify Hangers
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1356 psi Test Temp. 166 °F
9. Remarks PO# CSY 188603 FOR VALVES SUPPORT UNDER PO# SSY 211090; 67796; 211447; 208195
 (Applicable Manufacturer's Data Reports to be attached)
PO# CSY 201111 FOR 3" SCH 160 9" CG ASTM A-106 GRD VALVES PURCHASED IN ACCORDANCE WITH
PO# SY 11679/MIN 28-88 NUS SPEC 2098 AND 2099

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 8/28/ 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 08-28, 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 8-28-89 Robert L. Coda 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 Date 8/28/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1

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

3. Work Performed by VA. Power 38000 64470
 (Name)
 (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.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(2420) 7/8" NUT	Handwerk Specialty	0612692	N/A	N/A	2-SI P-1B	N/A	Replaced	NO
(1220) STUDS	Handwerk Specialty	3788261	N/A	N/A	2-SI P-1B	N/A	Replaced	NO

7. Description of Work Replace Flange Gasket

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure 182 psi Test Temp. NOT °F

9. Remarks Nuts Po# S5Y-224228
STUDS Po# S5Y-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 Daniel L. Rogers ISI Oct. 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 10-2, 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 10-2-89 Robert L. Cohen 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 Date 8/30/89
P.O. Box 26666 (Name)
(Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
(Address)
3. Work Performed by VA. Power 38000 84625
(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)
(4EA) STUWS	Condral Industrial	549630	N/A	N/A	2-CH-195	N/A	Replacement	NO
(8EA) NUTS	Condral Industrial	41549690	N/A	N/A	2-CH-195	N/A	Replacement	NO
NA	NA				NA			

7. Description of Work Replace Diaphragm
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Pressure NOT psi Test Temp. NOT °F
9. Remarks STUWS PO# CSY-220453
NUTS PO# CSY-220453
BANNER PO# CSY-222343
(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. H. P. Rogers ISI Oct. 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 10-2, 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 10-2-89 Robert H. Cohen Commissions VB-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)
 (Address) Sheet 1 of 1

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

3. Work Performed by VA. Power 38000 59865
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)

4. Identification of System Main Steam

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" Pipe</u>	<u>John F. Wright</u>	<u>38655500</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-77</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
<u>90° Pipe Elbow</u>	<u>Henry Vogt Machine</u>	<u>3841260</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-77</u>	<u>N/A</u>	<u>↓</u>	<u>NO</u>
<u>1 1/2" Valve</u>	<u>Henry Vogt Machine</u>	<u>4139272</u>	<u>N/A</u>	<u>N/A</u>	<u>↓</u>	<u>N/A</u>	<u>↓</u>	<u>NO</u>

7. Description of Work Replace Valve

8. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1380 psi Test Temp. 78 °F

9. Remarks 1 1/2" Pipe 90° CSY-163181
Pipe Elbow 90° CSY-176869
1 1/2" Valve 90° CSY-170790
 (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. Rogers ISI Eng. 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. Cullen Commissions NO 7009 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 Date 8/30/89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 74764
Same (Name)
 (Address) Repair Organization P.O. No., Job No., etc.
 4. Identification of System Main Steam
 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	Hung	06118050	N/A	N/A	2-MS-79	N/A	Replacement	NO
1 1/2" Pipe	Some	3885550	↓	↓	↓	↓	↓	↓
2" Pipe	Forged	3885555	↓	↓	↓	↓	↓	↓
Coupling 2"	↓	3825909	↓	↓	↓	↓	↓	↓
1 1/2" Tee	↓	3871131	↓	↓	↓	↓	↓	↓

7. Description of Work Replace Valve.
 8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1380 psi Test Temp. 78 °F
 9. Remarks Value PO# 174633
1 1/2" Pipe PO# CSY-163181
2" Pipe PO# CSY-194192
2" Coupling PO# SY-012512, 1 1/2" Tee PO# 83449

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 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

(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 9-5-89 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., (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)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 59854
Same (Name)
 (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam
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>1 1/2" Valve</u>	<u>Henry Vogt-Walbrus</u>	<u>06118010</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-78</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
<u>1 1/2" Pipe</u>	<u>John Frisvold</u>	<u>38655500</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-78</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replace Valve.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1380 psi Test Temp. 28 °F
9. Remarks 1 1/2" Valve Po# CSY-174633
1 1/2" Pipe Po# CSY-163181
 (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 Sub Sept. 5, 1989
 (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
 (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 9-5-89 Robert L. Coder Commissions N07009 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)
 (Address)
 2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 48652
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.	Mfr. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(24 EA) <u>3/4" NUTS</u>	<u>NOVA Machine Prod.</u>	<u>0201997</u>	<u>N/A</u>	<u>N/A</u>	<u>2CS-MOU-201B</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
(12 EA) <u>3/4" STUDS</u>	<u>Hardware Specialty</u>	<u>37882560</u>	<u>N/A</u>	<u>N/A</u>	<u>↓</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replace Flange gaskets
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks 3/4" STUDS PO #CSK-205331
3/4" NUTS PO #554-194791
 (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 Eng Sept 5, 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 9-5, 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 9-5-89 Robert L. Coden 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 8/30/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 71645
Same (Name)
 (Address) Repair Organization P.O. No., Job No., etc.
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.	Mfr. 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>AEG Engineering</u>	<u>0201999</u>	<u>N/A</u>	<u>N/A</u>	<u>2-CS-13</u>	<u>N/A</u>	<u>Replaced</u>	<u>NO</u>
<u>3/8" STUDS</u>	<u>↓</u>	<u>37882610</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 Reverse Spectacle Flange
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
9. Remarks NUTS PO# CSF-173878
STUDS PO# CSF-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.
 (repair or replacement)

Signed W. P. Rogers Title ISI Eng. Date Sept. 5, 19 89
 (Owner or Owner's Designer) (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 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 9-5-89 Robert J. Cohen 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 Date 8/30/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 83488
Same (Name)
 (Address) Repair Organization P.O. No., Job No., etc.
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.	CAN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(24EA) NUTS	Cardinal Industrial	MTR 9367	N/A	N/A	2-RS-11	N/A	Replaced	No
(24EA) STUDS	Rock Machine Products	32882660	N/A	N/A	2-RS-11	N/A	Replaced	NO

7. Description of Work Install/Remove Blank Flange
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
9. Remarks NUTS PO#CSY-206074
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.
 (repair or replacement)

Signed A. J. Rogers ISI Eng. 9/5/89, 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 replacement described in this Report on 9-6, 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 9-6-89 Robert L. 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 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 8/31/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 3/3/6
Same (Name)
 (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam
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" Valve</u>	<u>John Henry</u>	<u>0200635</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-268</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>
<u>1 1/2" Pipe</u>	<u>John Henry</u>	<u>3885550</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-268</u>	<u>N/A</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replace Valve
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1380 psi Test Temp. 78 °F
9. Remarks Pipe PO# CSY-163181
Value PO# CSY-20118
 (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 ISI Title 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, 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 5-9-89 Robert L. Cordie 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 8/31/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Talo
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 66961
Same (Name)
 (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, 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 ea) $\frac{1}{2}$ " Nut	Handweld Specialty	3759165	N/A	N/A	2-SW-DS-5-2B	N/A	Replacement	No
(6 ea) $\frac{5}{8}$ " Nut	Handweld Specialty	02019930	N/A	N/A		N/A		
(6 ea) $\frac{5}{8}$ " Stud	Novak Machine Prod.	37882060	N/A	N/A		N/A		
(2 ea) $\frac{1}{2}$ " Stud	Handweld Specialty		N/A	N/A		N/A		

7. Description of Work Repair Strainer as Needed
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure NOP psi Test Temp. NOP °F
9. Remarks $\frac{1}{2}$ " Nut PO# 554-197217
 $\frac{5}{8}$ " Nut PO# 554-180092
 $\frac{1}{2}$ " Stud, PO# 180092, $\frac{5}{8}$ " Stud PO# 554-188999
 (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 G. L. Adams 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, 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 9-5-89 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 8X11 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 9/5/89
P.O. Box 26666 (Name)
(Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
(Address)
3. Work Performed by VA. Power 3800058622
(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)
(62A) STUDS	HAYWARD SPECIALTIES	N/A	N/A	N/A	2-SW-DS-5-2A	N/A	REPLACEMENT	N/A
(62A) NUTS	HAYWARD CO.	N/A	N/A	N/A	"	N/A	"	N/A

7. Description of Work REPLACE CORRODED PARTS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Pressure N/A psi Test Temp. N/A °F
9. Remarks
(Applicable Manufacturer's Data Reports to be attached)
STUDS PO# CSY 180436 (42)
STUDS PO# CSY 180496 (26)
NUTS PO# SSY 173319 (62A)

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. Rogers Title ISI 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, 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 Signature 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 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 9/5/89
P.O. Box 26666 (Name)
(Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TAB
P.O. Box 315 Surry, VA 23883 (Name)
(Address)
3. Work Performed by VA. Power 3800081535
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of 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)
(6 ea) <u>5/8" STUBS</u>	<u>Hardware Specialty</u>	<u>3988251</u>	<u>N/A</u>	<u>N/A</u>	<u>2-CC-1</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
(12 ea) <u>5/8" NUTS</u>	<u>Hardware Specialty</u>	<u>0201993</u>	<u>N/A</u>	<u>N/A</u>	<u>2-CC-1</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work OVERHAUL) CHECK VALVE
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Pressure 200 psi Test Temp. NOT °F
9. Remarks 5/8" STUBS, 70# CSY 219481; 5/8" NUTS, 70# 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 D. E. Rogers ISI Eng 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, 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 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 Date 9/6/89
P.O. Box 26666, Richmond, Va. Sheet 1 of 1
(Name) (Address)
2. Plant Surry Power Station Unit Two
P.O. Box 315, Surry, Va. 23883
(Name) (Address)
3. Work Performed by Daniel Const. Co. DESIGN CHANGE 87-23
Greenville, S.C. Repair Organization P.O. No., Job No., etc.
(Name) (Address)
4. Identification of System Recirc Spray/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 - 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)
Heat Exchanger	JOSEPH COE	J2487H	N/A	N/A	2-RS-EA	1988	REPLACED	YES
		J2487G			2-RS-E-B	1988		YES
		J2487E			2-RS-E-IC	1988		YES
		J2487E			2-RS-E-1A	1988		YES
Piping	*	N/A	N/A	N/A	N/A	N/A	REPLACED	NO
Valves	** HANLEY VOLT MACHINE CO.	N/A	N/A	N/A	2-SW-90,991 492, 493	N/A	REPLACED	NO

7. Description of Work REPLACED RS HEAT EXCHANGERS AND ASSOCIATED PIPING
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure _____ psi Test Temp _____ °F
9. Remarks HEAT EXCHANGER PO# 8ET-144685, PIPING PO# 55Y-191267 (ENERGY SUPPLY AND STEEL CO.)
(Applicable Manufacturer's Data Reports to be attached)
CSY-220976 (HUB, INC.), CSY-203080 (HUB, INC.), CSY-208209 (Guyon General Pipe Co.)
CSY-224562 (*JOHN H. FRECHMAN, VA.), CSY-232516 (*RADNOR ALLOYS, INC.), **CSY-231000

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 Title IST Eng Date SEPT. 15, 19 89
(Owner or Owner's Designer) (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 9-15, 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 9-15-89 Robert L. Corder 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 9/9/89
P.O. Box 26606, Richmond, VA Sheet 1 of 2
(Name) (Address)
2. Plant SURRY POWER STATION Unit TWO
P.O. Box 315, Surry, VA 23583
(Name) (Address)
3. Work Performed by DANIEL CONST. CO. DC 86-11
GREENVILLE, S.C. Repair Organization P.O. No., Job No., etc.
(Name) (Address)
4. Identification of System CIRCULATING WATER AND 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)
(4ea) VALVE	HARRY REAT	N/A	N/A	N/A	2-CW-MOV-206AAG, D	N/A	REPLACEMENT	NO
(2ea) VALVE					2-SW-MOV-202A, B			
(4ea) EXPANSION JOINT					RET-2			
(2ea) EXPANSION JOINT					RET-16			

7. Description of Work REPLACES VALVES AND EXPANSION JOINTS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Pressure NOT psi Test Temp. NOT °F
9. Remarks VALVE PO # 16610, EXPANSION JOINT PO # 16659
(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 J. Rogers ISI Eng. Sept. 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 F&I Co of Hartford Ct. have inspected the REPLACEMENT described in this Report on 9-11, 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 9-11-89 Robert L. Coden 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 9/9/89
P.O. Box 26606, Richmond, Va. Sheet 2 of 2
(Name) (Address)
2. Plant Surry Power Station Unit TWO
P.O. Box 315, Surry, Va. 23883
(Name) (Address)
3. Work Performed by Daniel Const. Co. DCP-86-11-2
GREENVILLE, S.C. Repair Organization P.O. No., Job No., etc.
(Name) (Address)
4. Identification of System CIRCULATING AND SERVICE WATER SYSTEM
5. (a) Applicable Construction Code B31.1 19 1967 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)
<u>4" 96" VALVES</u>	<u>HENRY PRATT</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>See Remarks</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>2" 36" VALVES</u>	<u>HENRY PRATT</u>	<u></u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>4" 96" EXPANSION JOINTS</u>	<u>HENRY PRATT</u>	<u></u>	<u>N/A</u>	<u>N/A</u>	<u>RES-4</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>2" 36" EXPANSION JOINTS</u>	<u>HENRY PRATT</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>RES-8</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>

7. Description of Work Replace valves & expansion joints under DCP-86-11-2
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Pressure NOP psi Test Temp. NOT °F
9. Remarks VALUE MARK # ARE AS FOLLOWS: MOV-CW-200A, B, C, D and MOV-SW-201A, B
(Applicable Manufacturer's Data Reports to be attached)
EXPANSION JOINTS VALVES
PO# ET-16659/08 THRU ET-16610 05 THRU 07

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 P. Rogers ISE Eng. Sept. 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 9-11, 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 9-11-89 Robert J. Caden 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 9/9/89
P.O. Box 26666, Richmond, Va. (Name)
 (Address)
 2. Plant Surry Power Station Unit Two
P.O. Box 315, Surry, Va. 23883 (Name)
 (Address)
 3. Work Performed by Daniel Const. Co. EWB 89-116
Greenville, S.C. (Name)
 (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>Pump</u>	<u>CRANE</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-SW-RSD</u>	<u>N/A</u>	<u>REPLACED</u>	<u>N/A</u>

7. Description of Work REPLACED PUMP
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure 45 psi Test Temp. NOT °F
 9. Remarks PO# 22439
 (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 David L. Rogers IST Eng. SEPT. 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 HSBI&ICO of Hartford, Ct have inspected the Replacement described in this Report on 9-11, 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 9-11-89 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 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, '89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 72462
 (Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System CONTAINMENT VACUUM
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
(424) BONNET NUTS	HARDWARE SPECIALTIES	HARDWARE SPECIALTIES	N/A	N/A	2-CV-49	N/A	REPLACEMENT	N/A

7. Description of Work REPLACED BONNET NUTS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °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 Daniel L. Rogers 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 of 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. Codan Commissions NB 7089 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 SEPT. 18, 1989
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit Two
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 71951
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System RECIRC. 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 Mr.	Mfrs. Ser. No.	Nat'l Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
(4EA) STUDS	HARDWARE SPECIALTIES	N/A	N/A	N/A	WRS-ENGWA	N/A	REPLACED	N/A
(2EA) NUTS	CARDINAL INDUSTRIAL	N/A	N/A	N/A	WRS-ENGWA	N/A	REPLACED	N/A

7. Description of Work REPLACED STUDS & NUTS IN SPECTACLE FLANGE
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °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 J. P. Dore (Owner or Owner's Designee) ISI Title SEPT. 18, 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 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 L. Cohen (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 SEPT. 18, 1989
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 8052.3
Same (Name)
 (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)
(10EA) STUDS	HARDWARE SPECIALTY CO.	N/A	N/A	N/A	2-CH-MOV-2289A	N/A	REPLACED	N/A
(20EA) NUTS	"	N/A	N/A	N/A	2-CH-MOV-2289A	N/A	"	N/A

7. Description of Work REPLACED BONNET BOLTING ON 2-CH-MOV-2289A
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure NOP psi Test Temp. NOT °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. Rogers 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 Robert L. Corden 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 Date 10/4/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 72102 / CWR 88-309
Same (Name)
 (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>COMPONENT SUPPORT</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>RC-19.1A</u>	<u>1989</u>	<u>Repaired</u> <u>Replaced</u> <u>Dec 10/11/89</u>	<u>N/A</u>

7. Description of Work MODIFIED HANGER
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
9. Remarks TRK STEEL PO# 554263001, BASEPATE PO# C34-251157
HILT-BOERS PO# 69023
 (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. L. Rogers ISI Oct. 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 10-4, 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 10-4-89 Robert F. Coder Commissions PB7009 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 Date 10/9/89
P.O. Box 26666 (Name)
 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 62609
Same (Name)
 (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam
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)
Pipe, 90° Elbow, 1 1/2"	Vogt Co	—	N/A	N/A	—	N/A	Replaced	NO
Pipe, 1 1/2" SCH 80	Vogt Co	—	N/A	N/A	—	N/A	Replaced	NO
Valve, gate, 1 1/2"	Vogt Co	Model ABC1	N/A	N/A	PRMS-1CB	N/A	Replaced	NO

7. Description of Work Repack and Replace Valve
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1800 psi Test Temp. 78 °F
9. Remarks VALVE PO# CSY 174633
Pipe PO# CSY 163181
Elbow PO# CSY 176869
 (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. Dyers 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&T CO. of Hartford, CT. have inspected the Replacement described in this Report on 11-2, 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 11-2-89 Robert L. 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 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) Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 764-68
 (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)
valve body 1 1/2" Capes Vertical CO		2000-10889 -1-1	N/A	N/A	32-510-761-2000	N/A	repair	N/A

7. Description of Work Repair And Repair Valve
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒ Other ☐
 Pressure NOP psi Test Temp. NOT °F
9. Remarks Valve Body Pott 554 137591
 (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 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 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. 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 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 10/1/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 62610
Same (Name)
 (Address)
 Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam
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
90° Elbow	HEURY VEGT Co	—	N/A	N/A	90-MS-110	N/A	Replaced	No
1 1/2" Valve Gate	H VEGT Co	SW-2801	N/A	N/A	—	N/A	Replaced	No
1 1/2" Pipe	JOHN H. BAISCH REPAIR	—	N/A	N/A	—	N/A	Replaced	No

7. Description of Work Repair and Replace Valve
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1380 psi Test Temp. 28 °F
9. Remarks 90° Elbow PO# C54176809
Value PO# C54174633
Pipe PO# C54163181
 (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 No. 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 11-3, 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 11-3-89 Robert F. Cohen 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 Date 10/9/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 56084
Same (Name)
 (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, 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>Expansion Joint</u>	<u>Ganlock-Colt Ind.</u>	<u>532-6</u> <u>53279-1</u>	<u>N/A</u>	<u>N/A</u>	<u>2-SW-MOD-2038</u>	<u>5/14/86</u>	<u>Replaced</u>	<u>No</u>

7. Description of Work REPLACE EXPANSION JOINT
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure NOT psi Test Temp. NOT °F
9. Remarks DO # 5418640
 (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. H. Rogers ISI No. 1, 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 11-3, 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 11-3-89 Robert L. Coda 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 10/3/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Tu20
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 85168
Same (Name)
 (Address)
 Repair Organization P.O. No., Job No., etc.
4. Identification of System Recirc. Stack
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" Stud</u>	<u>—</u>	<u>—</u>	<u>N/A</u>	<u>N/A</u>	<u>02-RS-MOV-256B</u>	<u>N/A</u>	<u>Replaced</u>	<u>No</u>
<u>2" Nut</u>	<u>—</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 Replace Flange Gasket and Bolting on 2-RS-MOV-256B
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure NOL psi Test Temp. NOT °F Stud
9. Remarks NOISE PO# 559244681
Nut PO# 034219481
 (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. H. Coker ISI Oct 20, 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 10-23, 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 10-23-89 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 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 10/3/89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 38000 27656
Same (Name)
 (Address)
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System CONTINUOUS 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, 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)
(2.4 in) 3/8" NUT	—	N/A	N/A	N/A	CS-1A	N/A	Replaced	No
(2.4 in) 3/8" Stud	Safety Systems	N/A	N/A	N/A	—	N/A	Replaced	No

7. Description of Work Repair Flange Leak
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure NOP psi Test Temp. NOT °F
 9. Remarks Nut PO# 559 294 322
Stud PO# 54 14547
 (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. H. Logan ISI Oct 18, 1989
 (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 10-23, 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 10-23-89 Robert T. Cochr 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 Date 10/9/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 3800025316
Same (Name)
 (Address)
 Repair Organization P.O. No., Job No., etc.
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)
(4 ea) STUDS	HOLDWELL SPECIALTIES	N/A	N/A	N/A	2-CS-19	N/A	REPLACED	NO
(4 ea) NUTS	"	N/A	N/A	N/A	2-CS-19	N/A	REPLACED	NO

7. Description of Work REPLACE PARTS AS NECESSARY
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 17 psi Test Temp. 140 °F
9. Remarks STUDS PO# C94 220453
 (Applicable Manufacturer's Data Reports to be attached)
NUTS C94 223662

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. H. Rogers (Owner or Owner's Designee) ISI Title Oct. 9, 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 Replacements described in this Report on 10-9, 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 10-9-89 Robert L. Cooper 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)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 57750
Same (Name)
 (Address)
 Repair Organization P.O. No., Job No., etc.
4. Identification of System Nitrogen Gas
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	Jones H. Pressurized		N/A	N/A	CG-6N-3	N/A	Replaced	No
2" Gate Valve	Vogt Co	SW-12111	N/A	N/A	02-6N-3	N/A	Replaced	No

7. Description of Work Replace and Repack Valve
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 2380 psi Test Temp. 78 °F
9. Remarks Gate Valve PO# 52288
Pipe PO# CGP 184 192
 (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 Oct. 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 10-26, 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 10-26-89 Robert L. Ocker 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 10/12/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 41811
 (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
(12 ea) STADS	N/A	N/A	N/A	N/A	2-RC-SV-2551A	N/A	REPLACED	N/A
(12 ea) NUTS	N/A	N/A	N/A	N/A	"	N/A	"	N/A

7. Description of Work TEST SAFETY VALVE
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 232.5 psi Test Temp. 545 °F
9. Remarks STADS PO# CS4-221161(3)
 (Applicable Manufacturer's Data Reports to be attached) NUTS PO# 554-211635(3)

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. Logan ISI Oct. 12, 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 10-25, 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 10-25-89 Robert L. Corbin 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 10/12/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 32967
Same (Name)
 (Address)
 Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Secondary
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)
(1ea) STUD	N/A	N/A	N/A	N/A	2-MS-TU-201A	N/A	REPLACED	NO
(1ea) NUT	N/A	N/A	N/A	N/A	"	N/A	"	NO

7. Description of Work REMOVE INTERNALS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure 920 psi Test Temp. NOT °F
9. Remarks STUD PO# 554192636 (1)
NUT PO# 554197203
 (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 A. L. Lucas ISI CR. 12, 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 10-25, 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 10-25-89 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 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 10/12/89
P.O. Box 26666 (Name)
(Address)
Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883
(Name)
(Address)
3. Work Performed by VA. Power 38000 21696
(Name)
(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)
(12ea) STUDB	N/A	N/A	N/A	N/A	2-55-226	N/A	REPAIRED	NO
(12ea) NUTS	N/A	N/A	N/A	N/A	u	N/A	REPLACED	NO

7. Description of Work REPLACE BODY TO BONNET GASKET
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure 2335 psi Test Temp. 545 °F
9. Remarks
(Applicable Manufacturer's Data Reports to be attached)
STUDS PO# CSY 255452 (2)
NUTS PO# SSY 197203 (12)

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 Title ISI Date OCT. 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 10-25, 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 10-25-89 Robert L. Caden Commissions NB7009 Va 643
(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 10/12/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 84169
 (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>DISC</u>	<u>VEAN, INC.</u>	<u>P2-18643-KSP</u>	<u>N/A</u>	<u>N/A</u>	<u>2-5E84</u>	<u>N/A</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED DISC
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 2335 psi Test Temp. 545 °F
9. Remarks PO# 54-09562 (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 W. L. Rogers ISI 646 OCT. 13, 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 of Province of VA, employed by HSB I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 10-25, 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 10-25-89 Robert L. Carter 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) 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 Date 10/13/89
P.O. Box 26666 (Name)
(Address)
Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
(Address)
3. Work Performed by VA. Power 38000.55710
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System Main Steam
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>BONNET</u>	<u>Rockwell International</u>	<u>36-37463</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-NR-201C</u>	<u>N/A</u>	<u>REPLACED</u>	<u>NO</u>
<u>STUDS</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>"</u>	<u>N/A</u>	<u>"</u>	<u>NO</u>
<u>NUTS</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>"</u>	<u>N/A</u>	<u>"</u>	<u>NO</u>

7. Description of Work OVERHAUL VALVE
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Pressure 920 psi Test Temp. NST °F
9. Remarks BONNET PO# 554138485 (1)
(Applicable Manufacturer's Data Reports to be attached) STUDS PO# 554210439 (4)
NUTS PO# 554231148 (2)

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 ENG OCT. 13, 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 10-25, 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 10-25-89 Robert L. Corda 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 10/31/89
P.O. Box 26666 (Name)
(Address) Sheet 1 of 1

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

3. Work Performed by VA. Power 3800086748 3800086642
(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)
<u>DISC</u>	<u>Crosby Valve Co.</u>	<u>N9661500</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RC-SU-2551A</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>
<u>DISC</u>	<u>Crosby Valve Co.</u>	<u>N9661500</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RC-SU-2551B</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work OVERHAUL AND TEST VALVE

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

9. Remarks
(Applicable Manufacturer's Data Reports to be attached) Disc Assembly PO# 22005.3 (1)

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 Nov. 1, 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 11-1, 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 11-1-89 Robert L. Cohen 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 Date 11/2/89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 3800041815
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>Studs</u>	-	-	-	-	<u>2-RC-SV-2551C</u>	-	<u>Replaced</u>	<u>No</u>
<u>Nuts</u>	-	-	-	-	<u>"</u>	-	<u>"</u>	<u>No</u>

7. Description of Work Test Recirc Valve
 8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 2335 psi Test Temp. 542 °F
 9. Remarks Studs PO# ESY 224389 (3) + CSY-221161 (3)
 (Applicable Manufacturer's Data Reports to be attached) Nuts PO# CSY 213640 (1)

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 R. H. Rogers
 (Owner or Owner's Designee)

ISI
 Title

Nov 2, 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 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. 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 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 11/2/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000.01460
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Broadwell
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.	—	—	—	2-AD-52	—	REPLACEMENT	NO
ECCOVS	JOHN H. REISCHORN	—	—	—	—	—	"	NO
PIPE	"	—	—	—	—	—	"	NO

7. Description of Work REPLACE VALVE
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1380 psi Test Temp. 28 °F
9. Remarks PIPE PO#s 54-11189(1) AND CSY-194192(2)
VALVE PO# 35203
ECCOVS PO#s 54-121146(1) AND CSY-135744(5)
 (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 (Owner or Owner's Designee) ISI Title 1611.2 (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 11-3, 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 11-3-89 Robert J. Corbin (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 11/2/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station (Name) Unit 2
P.O. Box 315 Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 18544
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Accumulator
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>CONVAL, INC.</u>	<u>14732</u>	<u>-</u>	<u>-</u>	<u>2-BD-54</u>	<u>-</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPLACE VALVE
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1361 psi Test Temp. 100 °F
9. Remarks
 (Applicable Manufacturer's Data Reports to be attached) PO# 554139062

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) ISI Nb. 2 19 89
 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 11-3, 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 11-3-89 Robert T. 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 Date 11/2/89
P.O. Box 26666 (Name) Sheet 1 of 1
(Address)
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
(Address)
3. Work Performed by VA. Power 3800085013
(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>STUDS (600)</u>	<u>HARDWARE</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-5-88</u>	<u>-</u>	<u>REPLACED</u>	<u>NO</u>
<u>NUTS</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-9-86</u>	<u>-</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACED STUDS & NUTS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Pressure 182 psi Test Temp. NOT °F
9. Remarks STUDS Post CSY-254225
(Applicable Manufacturer's Data Reports to be attached) NUTS Post CSY-239081

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 R. L. Dwyer 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 11-3, 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 11-3-89 Robert L. Cochran Commissions VA 543 NB 7009
(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 11/3/89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit TWO
P.O. Box 315 (Name)
Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 3800001568
Same (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of 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 - 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" Valve	Canval Inc	—	N/A	N/A	02-80-3	—	Replaced	No
2" Pipe	JHF JR INC	216680	"	"	"	—	"	"
2" Pipe	JHF JR INC	—	"	"	"	—	"	"
90° ELBOW	JHF JR INC	171562	"	"	"	—	"	"

7. Description of Work Repair and Replace Valve
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 1380 psi Test Temp. 70 °F
9. Remarks Valve PO# 554139069 90° Elbow PO# 554135744
 (Applicable Manufacturer's Data Reports to be attached)
2" Pipe PO# 5411189
2" Pipe PO# 554194192

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 (Owner or Owner's Designee) ISI Title Nov. 3 (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 11-6, 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 11-6-89 Robert L. Corder (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 11/3/89
P.O. Box 26666 (Name)
(Address) Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 (Name)
Surry, VA 23883 (Address)
3. Work Performed by VA. Power 38000.59866
(Name) Repair Organization P.O. No., Job No., etc.
Same (Address)
4. Identification of System MAIN STEAM
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.	Natl. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPE (1/2")</u>	<u>JOHN H. ERISMAN</u>	—	—	—	—	—	<u>REPLACED</u>	<u>NO</u>
<u>90° ELBOWS</u>	<u>HENRY VALVE CO.</u>	—	—	—	—	—		<u>NO</u>
<u>3/4 X 1/2 REDUCER</u>	—	—	—	—	—	—		<u>NO</u>
<u>1 1/2" VALVE</u>	<u>HENRY VALVE CO.</u>	—	—	—	<u>2-MS 26</u>	—		<u>NO</u>

7. Description of Work REPLACE VALVE
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure 1380 psi Test Temp. 28 °F
9. Remarks
(Applicable Manufacturer's Data Reports to be attached)
PIPE POT# CSY 163181(2) ELBOW POT# 176869(1)
ELBOW POT# CSY 134114(4) REDUCER POT# 5408125(2)
VALVE POT# 174633(1)

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. H. Loren Title ISI Nov. 3, 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 11-3, 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 11-3-89 Robert F. 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 Date 11/6/89
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit Two
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 75 315
 (Name) Repair Organization P.O. No., Job No., etc.
Same (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
Bonnet Assy	Grinnell Co	88-57582-4	N/A	N/A	QA-CS--18	N/A	Replaced	No
Stud	—	—	"	"	"	"	"	"
Nut	—	—	"	"	"	"	"	"

7. Description of Work Replace Parts as Necessary
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure 12 psi Test Temp 100°F
9. Remarks Bonnet Assy PO# 554 178 487 (1)
 (Applicable Manufacturer's Data Reports to be attached) Stud PO# 654 220 453 (1)
Nut PO# 654 220 453 (1)

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. Rosen ISI Nov. 6, 19 88
 (Owner or Owner's Representative) 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 11-7, 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 11-7-89 Robert L. Coda 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 Oct 25, 1989
P.O. Box 26666 (Name)
 (Address)
 Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
3. Work Performed by VA. Power 38000 83031
Same (Name)
 (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.	Mfr. 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>ROCKWELL INT.</u>	<u>B36244-316</u> <u>14</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RC-11</u>	<u>—</u>	<u>REPLACED</u>	<u>NO</u>
<u>PIPE</u>	<u>GUYON</u>	<u>—</u>	<u>N/A</u>	<u>N/A</u>	<u>"</u>	<u>—</u>	<u>"</u>	<u>NO</u>
<u>ELBOW</u>	<u>GUYON</u>	<u>—</u>	<u>N/A</u>	<u>N/A</u>	<u>"</u>	<u>—</u>	<u>"</u>	<u>NO</u>

7. Description of Work REPLACED VALVE
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 2315 psi Test Temp. 547 °F
9. Remarks VALVE PO# NS 38495 (3)
PIPE PO# NS 31551 (4)
ELBOW PO# NS 31551 (8)
 (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 11/22, 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 REPLACEMENT described in this Report on 11-22, 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 11-22-89 Robert L. Coder 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 11/2/89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit TWO
P.O. Box 315 Surry, VA 23883 (Name)
 (Address)
 3. Work Performed by VA. Power 3800063663
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 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 - 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>STUDS</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-CH-RV-2382A</u>	<u>-</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>NUTS</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>"</u>	<u>-</u>	<u>"</u>	<u>NO</u>

7. Description of Work REMOVE, TEST, REPLACE VALVE
 8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 2335 psi Test Temp. 547 °F
 9. Remarks STUDS P.O.# CS4-180436 (.)
 (Applicable Manufacturer's Data Reports to be attached) NUTS P.O.# SS4-180092

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. Rose Title ISI Date Nov. 2, 1989
 (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 Replacement described in this Report on 11-2, 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 11-2-89 Robert L. Coder Commissions NB 7009 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 Date 11-20-89
P.O. Box 26666 (Name)
 (Address)
 2. Plant Surry Power Station Unit 2
P.O. Box 315 (Name)
Surry, VA 23883 (Address)
 3. Work Performed by VA. Power 3800027987
Same (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System Residual Heat Removal system (class 1)
 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)
<u>studs (16)</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2-RH-47</u>	<u>-</u>	<u>Replacement</u>	<u>NO</u>
<u>and nuts</u>								

7. Description of Work Replace 16 pieces of studs & nuts
 8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure 2350 psi Test Temp. 726 °F
 9. Remarks P.O. 654-232070
 (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 11-26, 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 11-20, 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 11-20-89 Robert F. Cohen Commissions Ve 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 11-20-89
P.O. Box 26666 (Address) Sheet 1 of 1
2. Plant Surry Power Station Unit 2
P.O. Box 315 (Name) Surry, VA 23883 (Address)
3. Work Performed by VA. Power (Name) 38000 82937 & 086510
Same (Name) Repair Organization P.O. No., Job No., etc.
4. Identification of System Sensu Water (Class 3) (Address)
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)
Valve (1)	WM. Powell	-	-	-	2-5W-108	-	Replacement	NO
Reducer (1)	Hills Alloy	-	-	-				NO
Studs & (8)	Hardware Specialties	-	-	-				NO
Nuts (16)	"	-	-	-				NO

7. Description of Work Replace valve, piping & above supports
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psf Test Temp. _____ °F
9. Remarks EWK-89-485 (P.O.S.A. - CSY-268874 (valve), CSY-W8184 & 230935 5 (nuts & studs)
 (Applicable Manufacturer's Data Reports to be attached) CSY-018786 (Reducer plate)

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 11-20, 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 I&I CO. of Hartford, CT. have inspected the Replacement described in this Report on 11-20, 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 11-20-89 Robert L. Cohen (Inspector) Commissions 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.