

**ENCLOSURE**

**SURRY POWER STATION UNIT 2  
ISI INSPECTIONS**

**NIS - 1 FORM**

**NIS - 2 FORMS**

9506120438 950607  
PDR ADOCK 05000281  
GEO PDR

**ENCLOSURE**

**SURRY UNIT 2**

**NIS-1 INSERVICE INSPECTION SUMMARY REPORT**

**JUNE 1995**

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

1. Owner Virginia Electric & Power Company, 5000 Dominion Blvd., Glen Allen, VA 23060  
(Name and Address of Owner)
2. Plant Surry Power Station, 5570 Hog Island Rd., Surry, Va 23882  
(Name and Address of Plant)
3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 05-01-73 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	VA 58224	NA
Steam Generator 2-RC-E-1A	Westinghouse Tampa Division	2971	VA 58226	6817
Steam Generator 2-RC-E-1C	Westinghouse Tampa Division	2973	VA 58228	6819
Reactor Coolant Pump 2-RC-P-1C	Westinghouse	494	NA	NA
Seal Injection Filter 2-CH-FL-4A	Commercial Filters Corporation	NA	NA	NA
Recirc. Spray Pump 2-RS-P-2A	Byron Jackson	NA	NA	NA
Regenerative Heat Exchanger 2-CH-E-3	Sentry Equipment Corporation	A3-13	VA 59806	399
Regenerative Heat Exchanger 2-CH-E-3	Sentry Equipment Corporation	A3-13	VA 59806	399
Pressurizer 2-RC-E-2	Westinghouse Tampa Division	1071	VA 58225	6816
RHR Heat Exchanger 2-RH-E-1A	Atlas Industrial Manufacturing Company	892	VA 58234	742
RHR Heat Exchanger 2-RH-E-1B	Atlas Industrial Manufacturing Company	893	VA 58235	743
Class 1/2 Piping	Southwest Fabricating Company	NA	NA	NA
Class 1/2 Component Supports	Southwest Fabricating Company	NA	NA	NA
Reactor Coolant Valve 2-RC-MOV-2592	Anchor-Darling	NA	NA	NA

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 05-18-91 to 05-04-95
9. Inspection Period Identification Third Period (05-01-90 - 05-10-94)
10. Inspection Interval Identification Second Interval (05-01-83 - 05-10-94, extended to complete examinations)
11. Applicable Edition of Section XI 1980 Addenda Winter 1980
12. Date/Revision of Inspection Plan November 17, 1994 Revision 6
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.  
Attachment 1, pages 1-8 of abstract of NDE examinations  
Attachment 1, pages 1-4 of abstract of system pressure tests
14. Abstract of Results of Examinations and Tests.  
Examination Summary, Pages 1-3
15. Abstract of Corrective Measures. Attachment 3, Pages 1-2

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

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

Date MAY 18 19 95 Signed Virginia Electric & Power Co. By EW Thackmorton  
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 Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 5-1-90 to 5-10-94, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests 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, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

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

Date 5-19 19 95

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

1. Owner Virginia Electric & Power Company, 5000 Dominion Blvd., Glen Allen, VA 23060  
(Name and Address of Owner)
2. Plant Surry Power Station, Hog Island Rd., Surry VA 23883  
(Name and Address of Plant)
3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) NA
5. Commercial Service Date 05-01-73 6. National Board Number for Unit NA
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	VA 58224	NA
Steam Generator 2-RC-E-1A	Westinghouse Tampa Division	2971	VA 58226	6817
Steam Generator 2-RC-E-1C	Westinghouse Tampa Division	2973	VA 58228	6819
Charging Pump 2-CH-P-1A	Byron Jackson Pumps Inc.	NA	NA	NA
Class 1/2 Piping	Southwest Fabricating	NA	NA	NA
Class 1/2 Component Supports	Southwest Fabricating	NA	NA	NA
Letdown Heat Exchanger 2-CH-E-2	Joseph Oat and Sons, Inc	1674-1	VA 59648	309
Regenerative Heat Exchanger 2-CH-E-3	Sentry Equipment Corporation	A3-13	VA 59806	399
Excess Letdown Heat Exchanger	Atlas Industrial Manufacturing Company	852	VA 58229	703
Pressurizer 2-RC-E-2	Westinghouse Tampa Division	1071	VA 58225	6816
RHR Heat Exchanger 2-RH-E-1A	Atlas Industrial Manufacturing Company	892	VA 58234	742
Safety Injection Pump 2-SI-P-1B	Byron Javckson Pumps, Inc. Company	NA	NA	NA

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 05-04-94 to 03-19-95
9. Inspection Period Identification First Period (05/10/94 - 05/10/97)
10. Inspection Interval Identification Third Interval (05/10/94 - 05/10/04)
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan November 17, 1994 Revision 4
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.  
Attachment 1, pages 9-19 of abstract of NDE examinations  
Attachment 1, pages 4-6 of abstract of system pressure tests
14. Abstract of Results of Examinations and Tests.  
Examination Summary, Pages 1 - 3
15. Abstract of Corrective Measures. Attachment 3, Pages 3 - 6

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

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

Date May 18 19 95 Signed VIRGINIA ELECTRIC & POWER Co. By EWT Harkins  
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 Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests 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, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

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

Date 5-19 19 95

## Examination Summary

### Virginia Electric and Power Company Surry Power Station

#### Unit 1

#### 1995 Refueling Outage 2nd Interval, 3rd Period and 3rd Interval, 1st Period

#### Introduction

This report covers inservice examinations and tests of Class 1 and Class 2 components, piping and component supports that were conducted at Surry Power Station Unit 2 from August 13, 1993 to May 4, 1995. For Interval 2, Period 3 the examinations were conducted to meet ASME Section XI, 1980 Edition through the Winter 1980 Addenda. For Interval 3, Period 1 the examinations were conducted to meet ASME Section XI, 1989 Edition, of the ASME Boiler and Pressure Vessel Code.

Examination procedures were approved prior to the performance of 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, Connecticut 06102 (Mr. R. L. Coder), Surry Station Quality Assurance Department and Surry technical staff.

#### Limitations

Some of the arrangements and details of the piping systems and components were designed and fabricated before the access and examination requirements of Section XI of the 1980/1989 ASME Code Edition existed. 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, or where integrally welded attachments, lugs or supports restrict access to some part of the examination area. These limitations sometimes preclude ultrasonic coupling or access for the required scan length or access for surface examination.

#### Examinations

Examinations were conducted to include as much of the examination zones as practical within existing geometric, metallurgical and

physical limitations. When the required ultrasonic examination volume or area could not be examined 100%, the examination method was evaluated and alternate beam angles or methods were considered in an attempt to achieve the maximum examination volume. Where the reduction in coverage was 10% or greater, per Code Case N-460, a subsequent relief request has been provided by separate correspondence and is indicated in this report as a partial "P1".

### Results

#### Second Interval, Third Period

Support 2-CH-H001 on line 2"-CH-397-1502 (Dwg. 11548-WMKS-RC-12Z5) was reported out of specification on Deviation Report S-95-0550 and was repaired on RR# 95-066, see Engineering Transmittal S-95-0143 contained in Attachment 3 to this report. RR# 95-066 is contained in Attachment 2 to this report.

#### Third Interval, First Period

Support 2-CH-H008 on line 3"-CH-301-1502, (Dwg 11548-WMKS-CH-8) was found to have excessive gap between the baseplate and the wall. The anchor bolts were re-torqued and the gap condition was accepted by evaluation. (see DCP- 93-048, Revision 12 contained in Attachment 3 to this report)

Support 2-RC-H006 on line 3"-RC-315-1502, (Dwg. 11548-WMKS-0125A1) was found to have loose nuts on the intermediate connecting bolts. This discrepancy was corrected on DCP-93-048 contained in Attachment 3 of this report and RR# 94-160 contained in Attachment 2 of this report.

### Analytical Evaluation

Analytical evaluation(s) of examination results (Volumetric and/or Surface examinations):

None required or performed.

### Evaluation Analyses and Corrective Actions

Evaluation Analyses and /or Corrective Actions of examination results (Visual Examinations):

#### Second Interval, Third Period

Evaluation/Corrective Actions were performed for support H001 on drawing 11548-WMKS-RC-12Z5 (Deviation S-95-0550, also see RR# 95-066, Attachment 2 to this report). These evaluations and corrective actions are documented in Engineering Transmittal ET NO. S-95-0143, Rev. 0, (see Attachment 3 to this report, also see



"Results" above).

#### Third Interval, First Period

Evaluation/Corrective Actions were performed for support H008 on drawing 11548-WMKS-CH-8, and support H006 on drawing 11548-WMKS-0125A1. These evaluations and corrective actions are documented in DCP-93-048, Revision 12, see Attachment 3 to this report, and RR# 94-160, see Attachment 2 to this report, also see "Results" above.

#### Statement of Interval Status

Virginia Electric and Power Company has completed one-hundred (100) percent of the Second Interval examinations and is on schedule with examinations for the Third Interval.

**ATTACHMENT 1**

**SURRY POWER STATION UNIT 2**  
**ISI INSPECTIONS**

**ABSTRACT OF EXAMINATIONS**

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
INTERVAL 2, PERIOD 3								
11548-WMKS-0101D1	30"-SHP-102-601	H001-1	2A	C-C	C3.40	VT-1	02/20/95	A <sup>1</sup>
11548-WMKS-0101D1	30"-SHP-102-601	H001-2	2A	C-C	C3.40	VT-1	02/20/95	A <sup>1</sup>
11548-WMKS-0102D1	30"-SHP-103-601	H004-1	2A	C-C	C3.40	VT-1	02/20/95	A <sup>1</sup>
11548-WMKS-0102D1	30"-SHP-103-601	H004-2	2A	C-C	C3.40	VT-1	02/20/95	A <sup>1</sup>
11548-WMKS-0122H1	6'-SI-249-1502	2-SI-H019	2A	F-B	FB123	VT-3	06/08/94	A <sup>2</sup>
11548-WMKS-RC-11Z3	2'-CH-395-1502	1-12	1A	B-J	B9.40	PT	02/19/95	A <sup>3</sup>
11548-WMKS-RC-12Z4	2'-CH-308-1503	1-40	1A	B-J	B9.40	PT	02/28/95	A <sup>3</sup>
11548-WMKS-RC-12Z5	2"-CH-397-1502	2-CH-H002	1A	F-B	FB123	VT-3	03/01/95	E <sup>1</sup>
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H011-A	1A	F-C	FC1234	VT-3	03/01/95	E <sup>1</sup>
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H011-B	1A	F-C	FC1234	VT-3	03/01/95	E <sup>1</sup>
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H013-A	1A	F-C	FC1234	VT-3	03/01/95	E <sup>1</sup>
11548-WMKS-0100D1	30'-SHP-101-601	0-1L	2A	C-F	C5.22	UT/MT	02/23/95	Y
11548-WMKS-0117A1-1	14'-RH-102-602	0-14L	2A	C-F	C5.12	PT	02/27/95	Y
11548-WMKS-0117A1-1	14'-RH-118-602	0-18L	2A	C-F	C5.12	PT	03/06/95	Y
11548-WMKS-0117A1-2	10'-RH-105-602	0-02L	2A	C-F	C5.12	PT	03/06/95	Y
11548-WMKS-0117A1-2	12'-RH-112-602	1-43	2A	C-F	C5.11	PT	02/20/95	Y
11548-WMKS-0117B1	10'-RH-116-1502	3-04	1A	B-J	B9.11	PT/UT	02/27/95	Y
11548-WMKS-0117B1	10'-RH-116-1502	3-05	1A	B-J	B9.11	PT/UT	02/27/95	Y
11548-WMKS-0117B1	10'-RH-116-1502	H001-1	1A	B-K-1	B10.10	Surface	02/27/95	Y
11548-WMKS-0117B1	10'-RH-116-1502	H001-2	1A	B-K-1	B10.10	Surface	02/27/95	Y
11548-WMKS-0117B1	10'-RH-116-1502	H001-3	1A	B-K-1	B10.10	Surface	02/27/95	Y
11548-WMKS-0122A1	12'-SI-247-1502	H006-1	1A	B-K-1	B10.10	Surface	03/07/95	P <sup>1</sup>
11548-WMKS-0122A1	12'-SI-247-1502	H006-2	1A	B-K-1	B10.10	Surface	03/07/95	P <sup>1</sup>
11548-WMKS-0122D1	12'-SI-246-1502	H003-1	1A	B-K-1	B10.10	Surface	02/24/95	Y
11548-WMKS-0122D1	12'-SI-246-1502	H003-2	1A	B-K-1	B10.10	Surface	02/24/95	Y
11548-WMKS-0122D1	12'-SI-246-1502	H008-1	1A	B-K-1	B10.10	Surface	02/19/95	Y
11548-WMKS-0122D1	12'-SI-246-1502	H008-2	1A	B-K-1	B10.10	Surface	02/19/95	Y
11548-WMKS-0122K1-1	6'-RC-318-1502	1-04	1A	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-0122K1-1	6'-RC-318-1502	1-05	1A	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-0122K1-1	6'-RC-318-1502	1-06	1A	B-J	B9.11	PT/UT	02/12/95	Y

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0122K1-1	6'-RC-318-1502	1-07	1A	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-0122K1-1	6'-SI-248-1502	2-05	2A	C-F	C5.21	PT/UT	02/25/95	Y
11548-WMKS-0122K1-1	6'-SI-248-1502	2-06	2A	C-F	C5.21	PT/UT	02/25/95	Y
11548-WMKS-0122K1-1	6'-SI-248-1502	3-03	2A	C-F	C5.21	PT/UT	02/28/95	Y
11548-WMKS-0122L1	12'-RC-322-1502	1-01BC	1A	B-J	B9.31	UT	02/17/95	Y
11548-WMKS-0122L1	12'-SI-245-1502	2-SI-H008B	1A	F-C	FC1234	VT-3	02/08/95	Y
11548-WMKS-0122L1	12'-SI-245-1502	H007-1	1A	B-K-1	B10.10	Surface	03/07/95	P <sup>1</sup>
11548-WMKS-0122L1	12'-SI-245-1502	H007-2	1A	B-K-1	B10.10	Surface	03/07/95	P <sup>1</sup>
11548-WMKS-0122L1	12'-SI-245-1502	H007-3	1A	B-K-1	B10.10	Surface	03/07/95	P <sup>1</sup>
11548-WMKS-0123L1	12'-CS-102-153	0-01	2A	C-F	C5.11	UT/PT	02/07/95	Y
11548-WMKS-0123L1	12'-CS-102-153	0-02	2A	C-F	C5.11	UT/PT	02/07/95	Y
11548-WMKS-0123L1	12'-CS-102-153	0-04	2A	C-F	C5.11	PT	02/06/95	Y
11548-WMKS-0123L1	12'-CS-102-153	0-05	2A	C-F	C5.11	PT	02/06/95	Y
11548-WMKS-0123L1	12'-CS-102-153	0-07	2A	C-F	C5.11	UT/PT	05/05/94	Y
11548-WMKS-0123L1	12'-CS-102-153	0-08	2A	C-F	C5.11	UT/PT	05/05/94	Y
11548-WMKS-0123LZ1	12'-CS-101-153	0-04	2A	C-F	C5.11	UT/PT	02/19/95	Y
11548-WMKS-0123LZ1	12'-CS-101-153	0-05	2A	C-F	C5.11	UT/PT	02/19/95	Y
11548-WMKS-0123M1	12'-CS-101-153	0-01	2A	C-F	C5.11	UT/PT	02/07/95	Y
11548-WMKS-0123M1	12'-CS-101-153	0-02	2A	C-F	C5.11	UT/PT	02/07/95	Y
11548-WMKS-0123M1	12'-CS-101-153	0-07	2A	C-F	C5.11	UT/PT	05/18/94	Y
11548-WMKS-0123M1	12'-CS-101-153	0-08	2A	C-F	C5.11	PT	02/06/95	Y
11548-WMKS-0123M1	12'-CS-101-153	0-15L	2A	C-F	C5.12	UT/PT	05/18/94	Y
11548-WMKS-0124A1	4'-RC-334-1502	4-01DM	1A	B-F	B5.20	UT/PT	02/28/95	Y
11548-WMKS-0125A1	4'-RC-314-1502	1-01BC	1A	B-J	B9.31	PT/UT	02/17/95	Y
11548-WMKS-0125A1	4'-RC-315-1502	2-36DM	1A	B-F	B5.20	UT/PT	02/27/95	Y
11548-WMKS-0127C2	10"-SI-213-153	H012	2A	F-B	FB 123	VT-3	05/04/95	Y
11548-WMKS-0125A1	1 1/2'-RC-405-1502	3-04	1A	B-J	B9.40	PT	02/14/95	Y
11548-WMKS-0125A1	1 1/2'-RC-405-1502	3-05	1A	B-J	B9.40	PT	02/14/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-02	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-03	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-04	2A	C-F	C5.11	PT	02/09/95	Y

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0127F1	10'-SI-206-153	0-05	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-06	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-07	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-08	2A	C-F	C5.11	PT	02/09/95	Y
11548-WMKS-0127F1	10'-SI-206-153	0-13	2A	C-F	C5.11	PT	02/08/95	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C38	2A	F-A	FA123	VT-3	05/10/94	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C39	2A	F-A	FA123	VT-3	02/19/95	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C40	2A	F-A	FA123	VT-3	05/10/94	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C40A	2A	F-C	FC1234	VT-3	02/23/95	Y
11548-WMKS-0127F1	10'-SI-206-153	2-SI-H-C41A	2A	F-B	FB123	VT-3	05/10/94	Y
11548-WMKS-0127G1	8'-CH-317-152	0-22L	2A	C-F	C5.12	RT	02/19/95	Y
11548-WMKS-0127G1	8'-CH-317-152	0-24L	2A	C-F	C5.12	RT	02/19/95	Y
11548-WMKS-0127G1	8'-CH-317-152	0-31	2A	C-F	C5.11	RT/PT	02/19/95	Y
11548-WMKS-0127G1	8'-CH-317-152	1-AZ	2A	C-F	C5.11	RT/PT	02/19/95	Y
11548-WMKS-0127G1	8'-CH-317-152	1-BC	2A	C-F	C5.11	RT/PT	02/19/95	Y
11548-WMKS-0127G1	8'-SI-292-153	1-P	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G1	8'-SI-292-153	1-Q	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-170-153	0-01	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-170-153	0-02	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-172-153	0-06	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-172-153	0-07	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-170-153	0-13	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-170-153	0-14	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-207-152	0-15	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-302-152	0-18	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	8'-SI-207-152	0-19	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	10'-SI-206-153	0-25	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	10'-SI-206-153	0-26	2A	C-F	C5.11	PT	02/19/95	Y
11548-WMKS-0127G2	10'-SI-206-153	0-27	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	10'-SI-206-153	0-28	2A	C-F	C5.11	PT	02/18/95	Y
11548-WMKS-0127G2	10'-SI-206-153	0-30	2A	C-F	C5.11	PT	02/18/95	Y

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0127G2	8'-CH-505-152	1-CB	2A	C-F	C5.11	PT/RT	02/18/95	Y
11548-WMKS-0127G2	8'-CH-505-152	1-CC	2A	C-F	C5.11	RT/PT	02/19/95	Y
11548-WMKS-0127G2	8'-SI-170-153	2-SI-H025	2A	F-C	FC1234	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-170-153	2-SI-H025A	2A	F-B	FB123	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-170-153	2-SI-H026	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-170-153	2-SI-H027	2A	F-C	FC1234	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-207-152	2-SI-H030	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H031	2A	F-B	FB123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H032	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H033	2A	F-B	FB123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H034	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H035	2A	F-B	FB123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H036A	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	2-SI-H037	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-302-152	2-SI-H047	2A	F-C	FC1234	VT-3	05/04/94	Y
11548-WMKS-0127G2	8'-SI-170-153	2-SI-H058	2A	F-A	FA123	VT-3	05/04/94	Y
11548-WMKS-0127G2	10'-SI-206-153	H037-1	2A	C-C	C3.40	Surface	02/19/95	Y
11548-WMKS-0127J2	6'-SI-344-1502	1-05	1A	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-0127J2	6'-SI-344-1502	1-06	1A	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-0127J2	6'-SI-344-1502	1-07	1A	B-J	B9.11	PT/UT	02/12/95	Y
11548-WMKS-CH-9	3'-CH-379-1503	1-59	1A	B-J	B9.21	PT	02/22/95	Y
11548-WMKS-CH-9	3'-CH-379-1503	1-60	1A	B-J	B9.21	PT	02/22/95	Y
11548-WMKS-CH-9	3'-CH-379-1503	1-89	1A	B-J	B9.21	PT	02/27/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-04	1A	B-B	B2.51	UT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-06	1A	B-D	B3.150	PT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-08	1A	B-D	B3.150	PT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-09	1A	B-D	B3.150	PT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-11	1A	B-D	B3.150	PT	02/22/95	P <sup>1</sup>
11548-WMKS-CH-E-3	2-CH-E-3	1-13	1A	B-D	B3.150	PT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-15	1A	B-D	B3.150	PT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-06	1A	B-D	B3.160	VT-2	03/19/95	Y

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-08	1A	B-D	B3.160	VT-2	03/19/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-09	1A	B-D	B3.160	VT-2	03/19/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-11	1A	B-D	B3.160	VT-2	03/19/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-13	1A	B-D	B3.160	VT-2	03/19/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-NIR-15	1A	B-D	B3.160	VT-2	03/19/95	Y
11548-WMKS-CH-FL-4A	2-CH-FL-4A	1-01	2A	C-A	C1.20	UT	02/23/95	P <sup>1</sup>
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-09	1A	B-J	B9.11	UT/PT	02/17/95	P <sup>1</sup>
11548-WMKS-RC-10-1	27 1/2'-RC-309-2501R	1-17DM	1A	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-18	1A	B-J	B9.12	UT/PT	02/17/95	Y
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-19	1A	B-J	B9.12	UT/PT	02/17/95	Y
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-20	1A	B-J	B9.12	UT/PT	02/17/95	Y
11548-WMKS-RC-10-1	31'-RC-308-2501R	1-21	1A	B-J	B9.12	UT/PT	02/17/95	Y
11548-WMKS-RC-10Z1	2'-RC-359-1502	2-RC-H002	1A	F-C	FC1234	VT-3	02/13/95	Y
11548-WMKS-RC-10Z3	2'-RC-500-1502	2-RC-H001	1A	F-C	FC1234	VT-3	02/13/95	Y
11548-WMKS-RC-10Z4	2'-CH-393-1502	2-CH-H001	1A	F-C	FC1234	VT-3	02/08/95	Y
11548-WMKS-RC-11-1	27 1/2'-RC-306-2501R	1-17DM	1A	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-11-1	31'-RC-305-2501R	1-18	1A	B-J	B9.12	UT/PT	02/10/95	Y
11548-WMKS-RC-11-1	31'-RC-305-2501R	1-19	1A	B-J	B9.12	UT/PT	02/10/95	Y
11548-WMKS-RC-11Z2	2'-CH-309-1503	1-08	1A	B-J	B9.40	PT	02/08/95	Y
11548-WMKS-RC-11Z2	2'-RC-499-1502	2-RC-H001	1A	F-C	FC1234	VT-3	02/13/95	Y
11548-WMKS-RC-11Z3	2'-CH-395-1502	1-22	1A	B-J	B9.40	PT	02/27/95	Y
11548-WMKS-RC-11Z3	2'-CH-395-1502	2-CH-H001	1A	F-C	FC1234	VT-3	02/08/95	Y
11548-WMKS-RC-12-1	31'-RC-302-2501R	1-06DM	1A	B-F	B5.30	UT/PT	02/28/95	P <sup>1</sup>
11548-WMKS-RC-12-1	31'-RC-302-2501R	1-09	1A	B-J	B9.11	UT/PT	02/20/95	Y
11548-WMKS-RC-12-1	27 1/2'-RC-303-2501R	1-17DM	1A	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-12-1	31'-RC-302-2501R	1-18	1A	B-J	B9.12	UT/PT	02/20/95	Y
11548-WMKS-RC-12-1	31'-RC-302-2501R	1-19	1A	B-J	B9.12	UT/PT	02/20/95	Y
11548-WMKS-RC-12Z1	2'-RC-355-1502	2-RC-H003	1A	F-C	FC1234	VT-3	02/13/95	Y
11548-WMKS-RC-12Z2	2'-RC-498-1502	2-RC-H001	1A	F-C	FC1234	VT-3	02/15/95	Y
11548-WMKS-RC-12Z5	2'-CH-397-1502	2-CH-H001	1A	F-C	FC1234	VT-3	02/20/95	Y
11548-WMKS-RC-1B	1--RC-441-1502	1-28A	1A	B-J	B9.40	PT	02/15/95	Y

### Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-7	8'-RC-312-2501R	1-07	1A	B-J	B9.11	PT/UT	02/25/95	Y
11548-WMKS-RC-7	8'-RC-312-2501R	1-08	1A	B-J	B9.11	PT/UT	02/25/95	Y
11548-WMKS-RC-E-002	2-RC-E-2	1-02	1A	B-B	B2.12	UT	02/14/95	P <sup>1</sup>
11548-WMKS-RC-E-002	2-RC-E-2	1-07	1A	B-B	B2.11	UT	02/14/95	P <sup>1</sup>
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-03	2A	C-A	C1.10	UT	02/10/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-05	2A	C-A	C1.10	UT	02/17/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-08	2A	C-A	C1.20	UT	02/25/95	Y
11548-WMKS-RC-E-1C.2	2-RC-E-1C	2-09	2A	C-B	C2.21	MT/UT	02/25/95	Y
11548-WMKS-RC-E-1C.2	2-RC-E-1C	2-10	2A	C-B	C2.21	MT/UT	02/22/95	Y
11548-WMKS-RC-MOV2592	2-RC-MOV-2592	NUT-1-24	1A	B-G-1	B6.230	VT-1	02/06/95	Y
11548-WMKS-RC-MOV2592	2-RC-MOV-2592	STUD-1-24	1A	B-G-1	B6.210	UT	02/09/95	Y
11548-WMKS-RC-MOV2593	2-RC-MOV-2593	NUT-1-24	1A	B-G-1	B6.230	VT-1	02/06/95	Y
11548-WMKS-RC-MOV2593	2-RC-MOV-2593	STUD-1-24	1A	B-G-1	B6.210	UT	02/09/95	Y
11548-WMKS-RC-P-1C.1	2-RC-P-1C	1-01	1A	B-L-1	B12.10	Visual	02/24/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	1-01	1A	B-A	B1.30	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	1-02	1A	B-A	B1.11	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	1-05	1A	B-A	B1.21	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	1-07	1A	B-A	B1.12	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-11	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-13	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-15	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-11NIR	1A	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-13NIR	1A	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-15NIR	1A	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-CSS	1A	B-N-3	B13.30	VT-3	02/26/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-1	1A	F-A	FA123	VT-3	03/07/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-2	1A	F-A	FA123	VT-3	03/07/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-3	1A	F-A	FA123	VT-3	03/07/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-4	1A	F-A	FA123	VT-3	03/07/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-5	1A	F-A	FA123	VT-3	03/07/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-PAD-6	1A	F-A	FA123	VT-3	03/07/95	Y



# **Abstract of Examinations Performed IWB, IWC, and IWF**

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.2	2-RC-R-1	CRD-46	1A	B-O	B14.10	PT or UT	02/23/95	Y
11548-WMKS-RC-R-1.2	2-RC-R-1	CRD-58	1A	B-O	B14.10	PT or UT	02/23/95	Y
11548-WMKS-RC-R-1.2	2-RC-R-1	CRD-62	1A	B-O	B14.10	PT or UT	02/23/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-04	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-05	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-06	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-07	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-19	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-20	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-21	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-30	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-31	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-32	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-33	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-34	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-35	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-36	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-37	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-38	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-39	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-40	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-41	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-42	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-43	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-44	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-45	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-46	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-47	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-48	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-49	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-50	1A	B-G-1	B6.40	UT Auto	03/05/95	Y

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-51	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RS-P-2A	2-RS-P-2A	2-05	2C	C-G	C6.10	Surface	02/20/95	P'
11548-WMKS-SI-1	12'-SI-201-153	0-06	2A	C-F	C5.11	PT	03/01/95	Y
11548-WMKS-SI-1	12'-SI-202-153	0-16	2A	C-F	C5.11	PT	03/01/95	Y
11548-WMKS-SI-19	2'-SI-280-1502	1-01BC	1A	B-J	B9.32	PT	02/16/95	Y
11548-WMKS-SI-19	2'-SI-280-1502	1-08	1A	B-J	B9.40	PT	02/16/95	Y
11548-WMKS-SI-37	16'-SI-205-153	0-01	2A	C-F	C5.11	PT	02/17/95	Y
11548-WMKS-SI-4	12'-SI-205-153	0-15	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-4	12'-SI-205-153	2-SI-H001A	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-4	12'-SI-205-153	2-SI-H001B	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-4	12'-SI-205-153	2-SI-HSS-104B	2A	TS3.2	TS4.17	VT-3	06/14/94	Y
11548-WMKS-SI-5	12'-SI-205-153	0-20	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-5	12'-SI-205-153	2-SI-H001A	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-5	12'-SI-205-153	2-SI-H001B	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-5	10'-SI-363-153	2-SI-H006	2A	F-B	FB123	VT-3	02/28/95	Y
11548-WMKS-SI-5	12'-SI-205-153	2-SI-HSS-104B	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-01	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-02	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-03	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-04	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-05	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-06	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	0-07	2A	C-F	C5.11	PT	01/30/95	Y
11548-WMKS-SI-6	12'-SI-205-153	0-15	2A	C-F	C5.11	PT	06/15/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H1	2A	F-B	FB123	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H2	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H3	2A	F-A	FA123	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H4	2A	F-B	FB123	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H5	2A	F-C	FC1234	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-H6	2A	F-A	FA123	VT-3	06/14/94	Y
11548-WMKS-SI-6	12'-SI-205-153	2-SI-HSS-103	2A	F-C	FC1234	VT-3	06/14/94	Y

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
INTERVAL 3, PERIOD 1								
11548-WMKS-0101G1	14"-WFPD-113-601	2-WFPD-H001A	2A	F-A	F1.20	VT-3	06/08/94	A
11548-WMKS-0117A1-1	14"-RH-101-1502	2-RH-HSS-019	1A	TS3.2	TS4.17	VT-3	06/08/94	A
11548-WMKS-0117A1-1	14"-RH-101-1502	2-RH-HSS-020	1A	TS3.2	TS4.17	VT-3	06/08/94	A
11548-WMKS-0117B1	10"-RH-117-1502	2-RH-H009A	1A	F-A	F1.10	VT-3	06/08/94	A
11548-WMKS-0117B1	10"-RH-117-1502	2-RH-H009B	1A	F-A	F1.10	VT-3	06/08/94	A
11548-WMKS-0125A1	4"-RC-314-1502	2-RC-H009	1A	F-A	F1.10	VT-3	02/28/95	A
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H010	1A	F-A	F1.10	VT-3	06/08/94	A
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-HSS-107	1A	TS3.2	TS4.17	VT-3	06/08/94	A
11548-WMKS-CH-E-3	2-CH-E-3	2-CH-H003	1A	F-A	F1.40	VT-3	02/22/95	A
11548-WMKS-RC-9	12"-RC-310-2501R	2-RC-H002A	1A	F-A	F1.10	VT-3	06/08/94	A
11548-WMKS-RC-9	12"-RC-310-2501R	2-RC-H002B	1A	F-A	F1.10	VT-3	06/08/94	A
11548-WMKS-SI-1	12"-SI-201-153	2-SI-H001	2A	F-A	F1.20	VT-3	03/08/95	A
11548-WMKS-SI-1	12"-SI-202-153	2-SI-H001B	2A	F-A	F1.20	VT-3	02/28/95	A
11548-WMKS-SI-1	12"-SI-202-153	2-SI-H002	2A	F-A	F1.20	VT-3	03/08/95	A
11548-WMKS-0122K1-2	2"-SI-281-1502	2-SI-H012	1A	F-A	F1.10	VT-3	06/20/94	E <sup>2</sup>
11548-WMKS-0125A1	4"-RC-314-1502	2-RC-H031	1A	F-A	F1.10	VT-3	06/09/94	E <sup>3</sup>
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H032	1A	F-A	F1.10	VT-3	06/09/94	E <sup>3</sup>
11548-WMKS-0127J2	6"-SI-344-1502	2-SI-H006	2A	F-A	F1.20	VT-3	06/09/94	E <sup>3</sup>
11548-WMKS-0127J3	6"-SI-353-1502	2-SI-H006	2A	F-A	F1.20	VT-3	06/09/94	E <sup>3</sup>
11548-WMKS-0127J4	6"-SI-353-1502	2-SI-H004	2A	F-A	F1.20	VT-3	06/20/94	E <sup>2</sup>
11548-WMKS-0127J5	6"-SI-345-1502	2-SI-H004	2A	F-A	F1.20	VT-3	06/09/94	E <sup>3</sup>
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H008	1A	F-A	F1.10	VT-3	06/20/94	E <sup>2</sup>
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H009	1A	F-A	F1.10	VT-3	06/20/94	E <sup>2</sup>
11548-WMKS-RC-12Z4	2"-CH-308-1503	2-CH-H028	1A	F-A	F1.10	VT-3	06/20/94	E <sup>2</sup>
11548-WMKS-RC-12Z4	2"-CH-308-1503	2-CH-H030	1A	F-A	F1.10	VT-3	06/20/94	E <sup>2</sup>
11548-WMKS-SI-5	10"-SI-363-153	2-SI-H003	2F	F-A	F1.20	VT-3	06/20/94	E <sup>2</sup>
11548-WMKS-SI-5	10"-SI-363-153	2-SI-H004	2F	F-A	F1.20	VT-3	06/20/94	E <sup>2</sup>
11548-WMKS-0103A2-1	30"-SHP-101-601	1-42L	2A	C-F-2	C5.52	MT	02/13/95	P <sup>2</sup>
11548-WMKS-0122L1	12"-RC-322-1502	1-05	1A	B-J	B9.11	PT	02/15/95	P <sup>2</sup>
11548-WMKS-SI-2	3"-SI-270-1503	1-12	2A	C-F-1	C5.21	PT	02/28/95	P <sup>2</sup>

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0100D1	30"-SHP-101-601	1-01	2A	C-F-2	C5.51	UT/MT	02/22/95	Y
11548-WMKS-0100D1	30"-SHP-101-601	1-02	2A	C-F-2	C5.51	UT/MT	02/22/95	Y
11548-WMKS-0100D1	30"-SHP-101-601	2-SHP-H001B	2A	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-0100D1	30"-SHP-101-601	2-SHP-HSS-008	2A	TS3.2	TS4.17	VT-3	06/08/94	Y
11548-WMKS-0102G1	14"-WFPD-109-601	1-02	2A	C-F-2	C5.51	UT/MT	02/16/95	Y
11548-WMKS-0102G1	14"-WFPD-109-601	2-WFPD-H005	2A	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-0102G1	14"-WFPD-109-601	2-WFPD-HSS-009	2A	TS3.2	TS4.17	VT-3	06/08/94	Y
11548-WMKS-0103A2-1	30"-SHP-122-601	1-16BC	2A	C-F-2	C5.81	UT/MT	02/17/95	Y
11548-WMKS-0103A2-1	4"-SHP-137-601	2-SHP-H077	2A	F-A	F1.40	VT-3	06/06/94	Y
11548-WMKS-0103A2-2	4"-SHP-138-601	2-SHP-H076	2A	F-A	F1.40	VT-3	06/06/94	Y
11548-WMKS-0103A2-3	4"-SHP-139-601	2-SHP-H075	2A	F-A	F1.40	VT-3	06/06/94	Y
11548-WMKS-0117A1-1	14"-RH-118-602	2-RH-H023	2A	F-A	F1.40	VT-3	06/08/94	Y
11548-WMKS-0117A1-1	14"-RH-101-1502	2-RH-HSS-017	1A	TS3.2	TS4.17	VT-3	06/08/94	Y
11548-WMKS-0117A1-1	14"-RH-101-1502	2-RH-MOV-2701	1A	B-G-2	B7.70	VT-1	02/06/95	Y
11548-WMKS-0117A1-2	12"-RH-112-602	0-05L	2A	C-F-1	C5.12	UT/PT	02/22/95	Y
11548-WMKS-0117A1-2	12"-RH-112-602	1-20	2A	C-F-1	C5.11	UT/PT	02/22/95	Y
11548-WMKS-0117A1-2	12"-RH-106-602	1-21	2A	C-F-1	C5.11	UT/PT	02/22/95	Y
11548-WMKS-0117A1-2	12"-RH-112-602	1-42	2A	C-F-1	C5.11	UT/PT	02/22/95	Y
11548-WMKS-0117A1-2	10"-RH-105-602	2-RH-H028A	2F	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-0117A1-2	12"-RH-112-602	2-RH-H034	2A	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-0117A1-3	12"-RH-112-602	2-RH-H034A	2A	F-A	F1.40	VT-3	06/08/94	Y
11548-WMKS-0117B1	10"-RH-117-1502	1-08	1A	B-J	B9.11	UT/PT	02/27/95	Y
11548-WMKS-0117B1	10"-RH-116-1502	2-RH-H002	2A	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-0118A1	6"-WAPD-101-601	0-01	2A	C-F-2	C5.51	UT/MT	03/01/95	Y
11548-WMKS-0118A1	6"-WAPD-101-601	2-WAPD-H002	2A	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-0122A1	12"-RC-324-1502	1-09	1A	B-J	B9.11	UT/PT	02/17/95	Y
11548-WMKS-0122A1	12"-SI-247-1502	1-10	1A	B-J	B9.11	UT/PT	02/17/95	Y
11548-WMKS-0122A1	12"-SI-247-1502	1-11	1A	B-J	B9.11	UT/PT	02/17/95	Y
11548-WMKS-0122A1	12"-SI-247-1502	1-12	1A	B-J	B9.11	UT/PT	02/17/95	Y
11548-WMKS-0122A1	12"-SI-247-1502	2-SI-H003B	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0122A1	12"-SI-247-1502	2-SI-H006	1A	F-A	F1.10	VT-3	06/08/94	Y

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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0122A1	12"-RC-324-1502	2-SI-H008A	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0122A1	12"-RC-324-1502	2-SI-H008B	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0122A1	12"-SI-247-1502	2-SI-HSS-019A	1A	TS3.2	TS4.17	VT-3	06/08/94	Y
11548-WMKS-0122A1	12"-SI-247-1502	2-SI-HSS-019B	1A	TS3.2	TS4.17	VT-3	06/08/94	Y
11548-WMKS-0122D1	12"-RC-323-1502	1-01BC	1A	B-J	B9.31	UT/PT	02/20/95	Y
11548-WMKS-0122D1	12"-RC-323-1502	1-08	1A	B-J	B9.11	UT/PT	02/09/95	Y
11548-WMKS-0122D1	12"-SI-246-1502	1-11	1A	B-J	B9.11	UT/PT	02/09/95	Y
11548-WMKS-0122D1	10"-RH-116-1502	2-RH-47	1A	B-G-2	B7.70	VT-1	02/07/95	Y
11548-WMKS-0122D1	12"-SI-246-1502	2-SI-H008	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0122H1	6"-RC-316-1502	1-05	1A	B-J	B9.11	UT/PT	02/17/95	Y
11548-WMKS-0122H1	6"-RC-316-1502	1-07	1A	B-J	B9.11	UT/PT	02/17/95	Y
11548-WMKS-0122H1	6"-RC-316-1502	2-SI-239	1A	B-G-2	B7.70	VT-1	02/06/95	Y
11548-WMKS-0122J1	6"-RC-321-1502	1-07	1A	B-J	B9.11	UT/PT	02/15/95	Y
11548-WMKS-0122J1	6"-RC-321-1502	1-08	1A	B-J	B9.11	UT/PT	02/15/95	Y
11548-WMKS-0122K1-1	6"-RC-318-1502	1-08	1A	B-J	B9.11	UT/PT	02/15/95	Y
11548-WMKS-0122K1-1	6"-SI-248-1502	2-30	2A	C-F-1	C5.11	UT/PT	02/25/95	Y
11548-WMKS-0122K1-1	6"-SI-248-1502	3-01	2A	C-F-1	C5.11	UT/PT	02/25/95	Y
11548-WMKS-0123J1	8"-CS-134-153	2-CS-H002	2F	F-A	F1.40	VT-3	06/14/94	Y
11548-WMKS-0123J1	8"-CS-134-153	2-CS-H003	2F	F-A	F1.40	VT-3	06/14/94	Y
11548-WMKS-0123K1	8"-CS-133-153	2-CS-H001	2F	F-A	F1.40	VT-3	06/14/94	Y
11548-WMKS-0123K1	8"-CS-133-153	2-CS-H003	2F	F-A	F1.20	VT-3	06/14/94	Y
11548-WMKS-0123M1	12"-CS-101-153	0-13L	2A	C-F-1	C5.12	PT	02/19/95	Y
11548-WMKS-0123N1	10"-RS-109-163L	2-RS-H003	2F	F-A	F1.20	VT-3	06/14/94	Y
11548-WMKS-0124A1	6"-RC-338-1502	2-RC-H004A	1A	F-A	F1.40	VT-3	06/08/94	Y
11548-WMKS-0124A1	3"-RC-361-1502	2-RC-H011	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0124A1	3"-RC-361-1502	2-RC-H012	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0124A1	6"-RC-339-1502	2-RC-H012A	1A	F-A	F1.40	VT-3	06/08/94	Y
11548-WMKS-0124A1	6"-RC-337-1502	2-RC-H118	1A	F-A	F1.40	VT-3	06/08/94	Y
11548-WMKS-0124A1	3"-RC-335-1502	4-17	1A	B-J	B9.40	PT	02/20/95	Y
11548-WMKS-0124A1	3"-RC-361-1502	4-20	1A	B-J	B9.21	PT	02/20/95	Y
11548-WMKS-0124A1	3"-RC-361-1502	4-21	1A	B-J	B9.21	PT	02/20/95	Y

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-0124A1	3"-RC-361-1502	4-23	1A	B-J	B9.40	PT	02/27/95	Y
11548-WMKS-0124A1	6"-RC-337-1502	Flange "A"	1A	B-G-2	B7.50	VT-1	02/07/95	Y
11548-WMKS-0125A1	4"-RC-315-1502	2-23	1A	B-J	B9.11	UT/PT	02/28/95	Y
11548-WMKS-0125A1	4"-RC-315-1502	2-29	1A	B-J	B9.11	UT/PT	02/20/95	Y
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H004	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H005	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0125A1	4"-RC-315-1502	2-RC-H006	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0125A1	4"-RC-314-1502	2-RC-H017	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-0125A1	1 "-RC-405-1502	3-01BC	1A	B-J	B9.32	PT	02/14/95	Y
11548-WMKS-0125A1	1 "-RC-405-1502	3-06	1A	B-J	B9.40	PT	02/14/95	Y
11548-WMKS-0125A1	1 "-RC-405-1502	Flange "A"	1A	B-G-2	B7.50	VT-1	02/20/95	Y
11548-WMKS-0127C1	10"-SI-216-153	2-SI-H004	2F	F-A	F1.40	VT-3	06/14/94	Y
11548-WMKS-0127C2	10"-SI-352-1502	1-08	2A	C-F-1	C5.11	UT/PT	05/23/94	Y
11548-WMKS-0127C2	10"-SI-352-1502	2-SI-H018	2A	F-A	F1.20	VT-3	06/14/94	Y
11548-WMKS-0127F1	10"-SI-206-153	H-C39	2F	F-A	F1.20	VT-3	05/10/94	Y
11548-WMKS-0127F1	10"-SI-206-153	H-C40	2F	F-A	F1.20	VT-3	02/19/95	Y
11548-WMKS-0127J2	2"-SI-285-1502	1-11	1A	B-J	B9.40	PT	02/09/95	Y
11548-WMKS-0127J2	2"-SI-285-1502	1-12	1A	B-J	B9.40	PT	02/09/95	Y
11548-WMKS-0127J2	2"-SI-285-1502	1-13	1A	B-J	B9.40	PT	02/09/95	Y
11548-WMKS-0127J2	2"-SI-285-1502	1-14	1A	B-J	B9.40	PT	02/09/95	Y
11548-WMKS-0127J2	2"-SI-285-1502	2-SI-H001	2A	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-2018A5	14"-WFPD-117-601	1-22	2A	C-F-2	C5.51	UT/MT	02/08/95	Y
11548-WMKS-CH-11	3"-CH-302-1503	2-04	2A	C-F-1	C5.21	UT/PT	01/25/95	Y
11548-WMKS-CH-11	3"-CH-302-1503	2-05	2A	C-F-1	C5.21	UT/PT	01/25/95	P <sup>1</sup>
11548-WMKS-CH-55	2"-CH-368-1502	1-01BC	1A	B-J	B9.32	PT	02/20/95	Y
11548-WMKS-CH-55	2"-CH-368-1502	1-05	1A	B-J	B9.40	PT	02/20/95	Y
11548-WMKS-CH-55	2"-CH-368-1502	1-06	1A	B-J	B9.40	PT	02/20/95	Y
11548-WMKS-CH-55	2"-CH-368-1502	1-07	1A	B-J	B9.40	PT	02/20/95	Y
11548-WMKS-CH-55	2"-CH-368-1502	1-19	1A	B-J	B9.40	PT	02/27/95	Y
11548-WMKS-CH-55	2"-CH-368-1502	1-20	1A	B-J	B9.40	PT	02/27/95	Y
11548-WMKS-CH-60	2"-CH-308-1503	0-03	1A	B-J	B9.40	PT	02/19/95	Y

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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-CH-60	2"-CH-308-1503	0-04	1A	B-J	B9.40	PT	02/19/95	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H001A	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H001B	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H008	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H008A	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H013	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H014	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-8	3"-CH-301-1502	2-CH-H014A	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-9	3"-CH-379-1503	2-CH-H001	1A	F-A	F1.10	VT-3	06/08/94	Y
11548-WMKS-CH-E-2	2-CH-E-2	1-01	2A	C-A	C1.20	UT	03/05/95	P <sup>1</sup>
11548-WMKS-CH-E-2	2-CH-E-2	1-02	2A	C-A	C1.10	UT	03/05/95	P <sup>1</sup>
11548-WMKS-CH-E-3	2-CH-E-3	1-04	1A	B-B	B2.51	UT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-22	1A	B-B	B2.80	UT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-23	2A	C-A	C1.30	UT	02/22/95	Y
11548-WMKS-CH-E-3	2-CH-E-3	1-24	2A	C-A	C1.20	UT	02/22/95	Y
11548-WMKS-CH-FL-4A	2-CH-FL-4A	1-01	2A	C-A	C1.20	UT	02/23/95	P <sup>1</sup>
11548-WMKS-CH-FL-4A	2-CH-FL-4A	2-CH-H001	2A	F-A	F1.40	VT-3	02/23/95	Y
11548-WMKS-CH-FL-4A	2-CH-FL-4A	2-CH-H002	2A	F-A	F1.40	VT-3	02/23/95	Y
11548-WMKS-CH-FL-4A	2-CH-FL-4A	2-CH-H003	2A	F-A	F1.40	VT-3	02/23/95	Y
11548-WMKS-CH-P-1A	2-CH-P-1A	2-CH-H001	2A	F-A	F1.40	VT-3	01/12/95	Y
11548-WMKS-RC-10-1	29"-RC-307-2501R	1-01DM	1A	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-10Z3	2"-RC-500-1502	1-01BC	1A	B-J	B9.32	PT	02/14/95	Y
11548-WMKS-RC-10Z3	2"-RC-500-1502	1-02	1A	B-J	B9.40	PT	02/14/95	Y
11548-WMKS-RC-10Z4	2"-CH-393-1502	1-11	1A	B-J	B9.40	PT	02/15/95	Y
11548-WMKS-RC-10Z4	2"-CH-393-1502	Flange "A"	1A	B-G-2	B7.50	VT-1	02/06/95	Y
11548-WMKS-RC-11-1	29"-RC-304-2501R	1-01DM	1A	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-11Z1	2"-RC-356-1502	2-RC-H003	1A	F-A	F1.40	VT-3	06/08/94	Y
11548-WMKS-RC-12-1	29"-RC-301-2501R	1-01DM	1A	B-F	B5.10	UT Auto	03/02/95	Y
11548-WMKS-RC-E-002	2-RC-E-2	BOLTING	1A	B-G-2	B7.20	VT-1	02/07/95	Y
11548-WMKS-RC-E-002	2-RC-E-2	H001-1	1A	B-K-1	B10.10	Surface	02/20/95	Y
11548-WMKS-RC-E-002	2-RC-E-2	Htr. Element	1A	B-E	B4.20	VT-2	03/19/95	Y

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-E-002	2-RC-E-2	Inst. Nozzle	1A	B-E	B4.13	VT-2	03/19/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	1-01	1A	B-B	B2.40	UT	02/16/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-02	2A	C-A	C1.30	UT	02/10/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-03	2A	C-A	C1.10	UT	02/10/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-05	2A	C-A	C1.10	UT	02/12/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-06	2A	C-A	C1.10	UT	02/13/95	Y
11548-WMKS-RC-E-1A.1	2-RC-E-1A	2-08	2A	C-A	C1.20	UT	02/25/95	Y
11548-WMKS-RC-E-1A.2	2-RC-E-1A	2-RC-1-01ANIR	1A	B-D	B3.140	VT-1	02/21/95	Y
11548-WMKS-RC-E-1A.2	2-RC-E-1A	2-RC-1-01BNIR	1A	B-D	B3.140	VT-1	02/21/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-01	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-02	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-03	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-04	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-05	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-06	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-07	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	B-08	1A	B-G-1	B6.180	UT	02/11/95	Y
11548-WMKS-RC-P-1C.2	2-RC-P-1C	FLANGE	1A	B-G-1	B6.190	VT-1	02/18/95	P <sup>3</sup>
11548-WMKS-RC-R-1.1	2-RC-R-1	1-01	1A	B-A	B1.30	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-10	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-12	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-14	1A	B-D	B3.90	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-10NIR	1A	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-12NIR	1A	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-14NIR	1A	B-D	B3.100	UT Auto	03/02/95	Y
11548-WMKS-RC-R-1.1	2-RC-R-1	2-RC-INT	1A	B-N-1	B13.10	VT-3	02/26/95	Y
11548-WMKS-RC-R-1.2	2-RC-R-1	1-01	1A	B-A	B1.40	UT/MT	02/21/95	P <sup>1</sup>
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-01	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-02	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-03	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-04	1A	B-G-1	B6.30	UT/MT	02/25/95	Y



# **Abstract of Examinations Performed IWB, IWC, and IWF**

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-05	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-06	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-07	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-08	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-09	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-10	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-11	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-12	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-13	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-14	1A	B-G-1	B6.30	UT/MT	02/25/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-15	1A	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-16	1A	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-17	1A	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-18	1A	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-19	1A	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	Stud-20	1A	B-G-1	B6.30	UT/MT	02/24/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-01	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-02	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-03	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-08	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-09	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-10	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-11	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-12	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-13	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-14	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-15	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-16	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-17	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-18	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-22	1A	B-G-1	B6.40	UT Auto	03/05/95	Y

# **Abstract of Examinations Performed IWB, IWC, and IWF**

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-23	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-24	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-25	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-26	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-27	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-28	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-29	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-52	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-53	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-54	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-55	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-56	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-57	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.3	2-RC-R-1	TIF-58	1A	B-G-1	B6.40	UT Auto	03/05/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-01	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-02	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-03	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-04	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-05	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-06	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-07	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-08	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-09	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-10	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-11	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-12	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-13	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-14	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-15	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-16	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-17	1A	B-G-1	B6.50	VT-1	02/25/95	Y

# **Abstract of Examinations Performed IWB, IWC, and IWF**

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-18	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-19	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CCW-20	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-01	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-02	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-03	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-04	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-05	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-06	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-07	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-08	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-09	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-10	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-11	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-12	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-13	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-14	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-15	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-16	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-17	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-18	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-19	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	CVW-20	1A	B-G-1	B6.50	VT-1	02/25/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-01	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-02	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-03	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-04	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-05	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-06	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-07	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-08	1A	B-G-1	B6.10	MT	02/24/95	Y

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Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-09	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-10	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-11	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-12	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-13	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-14	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-15	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-16	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-17	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-18	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-19	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RC-R-1.4	2-RC-R-1	NUT-20	1A	B-G-1	B6.10	MT	02/24/95	Y
11548-WMKS-RH-E-1A	2-RH-E-1A	1-A01	2A	C-A	C1.20	UT	03/06/95	Y
11548-WMKS-RH-E-1A	2-RH-E-1A	1-A02	2A	C-A	C1.10	UT	03/06/95	Y
11548-WMKS-RH-E-1A	2-RH-E-1A	1-A03	2A	C-B	C2.33	VT-2	03/13/95	Y
11548-WMKS-RH-E-1A	2-RH-E-1A	1-A04	2A	C-B	C2.33	VT-2	03/13/95	Y
11548-WMKS-RH-E-1A	2-RH-E-1A	1-A05	2A	C-B	C2.31	PT	03/06/95	Y
11548-WMKS-SI-1	12"-SI-201-153	0-03	2A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-1	12"-SI-201-153	0-05	2A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-1	12"-SI-202-153	0-13	2A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-1	12"-SI-201-153	2-SI-H001A	2A	F-A	F1.20	VT-3	02/28/95	Y
11548-WMKS-SI-2	3"-SI-270-1503	2-SI-H002	2A	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-SI-35	2"-SI-271-1503	2-SI-H001	2A	F-A	F1.20	VT-3	06/08/94	Y
11548-WMKS-SI-4	12"-SI-205-153	2-SI-HSS-104B	2A	TS3.2	TS4.17	VT-3	06/08/94	Y
11548-WMKS-SI-5	12"-SI-363-153	0-17	2A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-5	12"-SI-363-153	0-18	2A	C-F-1	C5.11	UT/PT	03/02/95	Y
11548-WMKS-SI-5	12"-SI-363-153	0-5L	2A	C-F-1	C5.12	UT/PT	03/02/95	Y
11548-WMKS-SI-P-1B	2-SI-P-1B	2-01	2A	C-G	C6.10	VT-1	03/02/95	Y
11548-WMKS-SI-P-1B	2-SI-P-1B	2-02	2A	C-G	C6.10	VT-1	03/02/95	Y
11548-WMKS-SI-P-1B	2-SI-P-1B	2-03	2A	C-G	C6.10	VT-1	03/02/95	Y
11548-WMKS-SI-P-1B	2-SI-P-1B	2-04	2A	C-G	C6.10	VT-1	03/02/95	Y

# Abstract of Examinations Performed IWB, IWC, and IWF

Drawing Number	Line No.	Mark No.	Sect. XI Class	Sect. XI Category	Item No.	Exam. Method	Exam. Date	Remarks
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## Notes:

A1 - Additional examination, no credit taken. Re-examination performed to satisfy additional examination requirements of Relief Request SR- 020.

A2 - Additional examination, no credit taken. Re-examination performed to satisfy additional examination requirements due to an unacceptable support condition in a previous outage.

A3 - Additional examination, no credit taken. Re-examination performed to satisfy additional examination requirements due to an unacceptable weld condition in a previous outage.

E1 - Expansion exams conducted due to corrective measures performed on support 2-CH-H001 on line # 2"-CH-397-1502 and drawing # 11548-WMKS-RC-12Z5. (see Attachment 3, pages 1 and 2, to this report)

E2 - Examined per expansion requirements of IWF-2430, due to corrective measures performed on support 2-CH-H008 on 3"-CH-301-1502 and drawing 11548-WMKS-CH-8. (see Attachment 3, pages 3-6, to this report)

E3 - Examined per expansion requirements of IWF-2430, due to corrective measures performed on support 2-RC-H006 on 4"-RC-315-1502 and drawing 11548-WMKS-0125A1. (see Attachment 3, pages 3-6, to this report)

P1 - Partial examination, (reduction in coverage is greater than 10% as allowed by Code Case N-460) relief request has been provided by separate correspondence.

P2 - Partial examination for surface NDE, UT examination remains to be performed in Third Interval.

P3 - One bolt removed and annular flange surfaces examined.

Y - Full credit for the period has been achieved.

**ABSTRACT OF EXAMINATIONS PERFORMED  
SYSTEM PRESSURE TEST PROGRAM**

<u>ZONE</u>	<u>DESCRIPTION</u>	<u>CODE CLASS</u>	<u>TEST TYPE</u>	<u>DATE</u>	<u>REMARKS</u>
<b>SECOND INTERVAL, THIRD PERIOD</b>					
2-SPM-82A-3-3-2	"A","B","C" Charging Pump Sample	2	Inservice/N498-1	06/19/94	p
2-SPM-83A-3-1-1	Containment Sump Pump Discharge	2	Functional/N498-1	06/15/94	y
2-SPM-83A-3-2-2	Primary Drain Transfer Pump Discharge	2	Functional/N498-1	06/20/94	y
2-SPM-83B-3-1-2	Primary Drain Transfer Pump Discharge	2	Functional/N498-1	06/20/94	y
2-SPM-83B-3-3-1	Primary Vent Pot Penetration	2	Functional/N498-1	02/10/95	y
2-SPM-83B-3-3-2	High Rad. Sample Sys. Waste Tank Disch. Penetration	2	Functional/N498-1	06/14/94	y
2-SPM-83B-3-3-3	Containment Sump Pump Discharge	2	Functional/N498-1	06/15/94	y
2-SPM-83B-3-3-4	Reactor Coolant System to Primary Vent Pot	1	Functional/N498-1	03/09/95	y
2-SPM-84A-3-1-1	Refueling Water Storage Tank	2	Atm. Stg. Tnk.	06/10/94	y
2-SPM-84A-3-1-2	Lo-Hd. Safety Inj. Pump Suct. from Reflng. Wtr. Stg. Tnk.	2	Buried	03/15/95	y
2-SPM-84A-3-1-3	Lo-Hd. Safety Inj. Pump Disch. to Reflng. Wtr. Stg. Tnk.	2	Functional/N498-1	03/15/95	y
2-SPM-84A-3-1-4	Cont. Spray Pump Disch. to Reflng. Wtr. Stg. Tank	2	Open Flow Functional/N498-1	03/13/95	y
2-SPM-84A-3-2-1	Refueling Water Storage Tank	2	Atm. Stg. Tnk.	06/10/94	y
2-SPM-84A-3-2-2	Cont. Spray Pump Disch. to Reflng. Wtr. Stg. Tank	2	Open Flow Functional/N498-1	03/13/95	p
2-SPM-84A-3-2-3	Cont. Spray Pump Disch. to Reflng. Wtr. Stg. Tank	2	Buried Functional/N498-1	03/13/95	p
2-SPM-84A-3-2-6	Containment Spray Rings	2	Open Flow Buried	05/18/91	y
2-SPM-84A-3-3-1	Containment Spray Pump Suction	2	Open Flow Buried	03/11/95	y

**ABSTRACT OF EXAMINATIONS PERFORMED  
SYSTEM PRESSURE TEST PROGRAM**

<u>ZONE</u>	<u>DESCRIPTION</u>	<u>CODE CLASS</u>	<u>TEST TYPE</u>	<u>DATE</u>	<u>REMARKS</u>
2-SPM-84A-3-3-2	Containment Spray Pump Suction	2	Buried	03/11/95	y
2-SPM-84A-3-3-3	Containment Spray Pump Suction	2	Inservice/N498-1	02/03/95	y
2-SPM-84A-3-3-4	Reactor Water Chemical Addition Tank Piping	2	Buried	02/06/95	y
2-SPM-84B-3-1-1	"B" Recirc. Spray Ht. Ex. Overflow Level & Spray Ring	2	Functional/N498-1 Open Flow	06/09/94	p
2-SPM-84B-3-1-2	"A" Recirc. Spray Ht. Ex. Overflow Level & Spray Ring	2	Functional/N498-1 Open Flow	06/09/94	p
2-SPM-84B-3-2-1	Outside Recirc. Spray Pump Suction from Sump	2	Functional/N498-1 Buried	03/01/95	p
2-SPM-84B-3-2-6	"D" Recirc. Spray Ht. Ex. Overflow Level & Spray Ring	2	Functional/N498-1 Open Flow	06/09/94	p
2-SPM-84B-3-2-7	"C" Recirc. Spray Ht. Ex. Overflow Level & Spray Ring	2	Functional/N498-1 Open Flow	06/09/94	p
2-SPM-84B-3-2-8	Containment Spray Ring	2	Open Flow	05/18/91	y
2-SPM-85A-3-1-2	Leakage Monitor System Open Pressure Taps	2	Open Flow	02/24/95	y
2-SPM-86A-3-1-1	Reactor Coolant System Double Isolation	1	Functional/N498-1	03/08/95	y
2-SPM-86A-3-2-1	Reactor Coolant System Double Isolation	1	Functional/N498-1	03/08/95	y
2-SPM-86A-3-3-1	Reactor Coolant System Double Isolation	1	Functional/N498-1	03/09/95	y
2-SPM-86B-3-1-1	Reactor Coolant System Double Isolation	1	Functional/N498-1	02/22/95	y
2-SPM-86B-3-1-3	Reactor Coolant System Double Isolation	1	Functional/N498-1	03/10/95	y
2-SPM-87A-3-2-2	Residual Heat Removal System to Reflng. Wtr. Stg. Tank	2	Functional/N498-1	02/17/95	y
2-SPM-88A-3-1-2	Deborating Demineralizers Inlet	2	Functional/N498-1	01/13/95	y
2-SPM-88B-3-1-1	Lo-Hd. Safety Inj. Pump Disch. to Reflng. Wtr. Stg. Tnk.	2	Functional/N498-1 Open Flow	03/03/95	y

**ABSTRACT OF EXAMINATIONS PERFORMED  
SYSTEM PRESSURE TEST PROGRAM**

<u>ZONE</u>	<u>DESCRIPTION</u>	<u>CODE CLASS</u>	<u>TEST TYPE</u>	<u>DATE</u>	<u>REMARKS</u>
2-SPM-88B-3-1-2	Reactor Coolant Pump Seal Return Header	2	Inservice/N498-1	06/04/94	y
2-SPM-88B-3-1-7	Miscellaneous Charging, 2-CH-FCV-2114A	2	Inservice/N498-1	01/12/95	y
2-SPM-88B-3-1-9	Miscellaneous Charging, 2-CH-218	2	Inservice/N498-1	01/13/95	y
2-SPM-88B-3-1-10	Miscellaneous Charging, 2-CH-220	2	Inservice/N498-1	01/14/95	y
2-SPM-88B-3-2-7	"A", "B", "C" Charging Pump Sample	2	Inservice/N498-1	06/19/94	p
2-SPM-88C-3-1-10	Excess Letdown Heat Exchanger	2	Inservice/N498-1	03/19/95	y
2-SPM-88C-3-1-6	Auxiliary Spray System	1	Functional/N498-1	03/19/95	p
2-SPM-88C-3-1-7	Reactor Coolant Pump Seal Return Header	2	Inservice/N498-1	06/04/94	y
2-SPM-88C-3-2-2	Reactor Coolant Pump Seal Return Header	2	Inservice/N498-1	06/04/94	y
2-SPM-88C-3-2-4	"A" Reactor Coolant Pump Seal Return	1	Inservice/N498-1	06/04/94	y
2-SPM-88C-3-2-5	"B" Reactor Coolant Pump Seal Return	1	Inservice/N498-1	06/04/94	y
2-SPM-88C-3-2-6	"C" Reactor Coolant Pump Seal Return	1	Inservice/N498-1	06/04/94	y
2-SPM-88C-3-2-8	Reactor Coolant Pump Seal Injection	1	Inservice/N498-1	06/04/94	y
2-SPM-89A-3-1-4	Lo-Hd. Safety Inj. Pump Suct. from Reflng. Wtr. Stg. Tnk.	2	Buried Functional/N498-1	03/15/95	y
2-SPM-89A-3-1-3	Lo-Hd. Safety Inj. Pump Suct. from Containment Sump	2	Buried Functional/N498-1	03/15/95	p
2-SPM-89A-3-2-2	Lo-Hd. Safety Inj. Pump to RCS Hot/Cold Legs	2	Functional/N498-1	03/16/95	y
2-SPM-89A-3-2-6	Lo-Hd. Safety Inj. Pump Disch. to Reflng. Wtr. Stg. Tnk.	2	Functional/N498-1 Open Flow	03/03/95	y
2-SPM-89A-3-3-1	Nitrogen Supply to Accumulator Tanks	2	Functional /N498-1	06/09/94	y



**ABSTRACT OF EXAMINATIONS PERFORMED  
SYSTEM PRESSURE TEST PROGRAM**

<u>ZONE</u>	<u>DESCRIPTION</u>	<u>CODE CLASS</u>	<u>TEST TYPE</u>	<u>DATE</u>	<u>REMARKS</u>
2-SPM-89A-3-3-2	Hi-Hd. Safety Inj. Pump to RCS Hot/Cold Legs	2	Functional/N498-1	03/04/95	p
2-SPM-89B-3-1-8	Nitrogen Supply to Accumulator Tanks	2	Functional /N498-1	06/09/94	y
2-SPM-89B-3-4-1	Safety Inj. Sys. to last Chk. valve on Hot & Cold legs	1/2	Functional/N498-1	03/16/95	y
2-SPM-89B-3-4-2	Safety Injection to RCS Hot/Cold legs	2	Functional/N498-1	03/16/95	p
2-SPM-118A-3-1-1	Reactor Cavity Purification Suction	2	Functional/N498-1	02/13/95	y
2-SPM-118A-3-1-2	Reactor Cavity Purification Return	2	Functional/N498-1	02/13/95	y
<b>THIRD INTERVAL, FIRST PERIOD</b>					
1-SPM-64A-3-1-3	"A" Steam Generator Main Steam inside Containment	2	Inservice	11/28/94	y
1-SPM-64A-3-2-3	"B" Steam Generator Main Steam inside Containment	2	Inservice	11/28/94	y
1-SPM-64A-3-3-3	"C" Steam Generator Main Steam inside Containment	2	Inservice	11/28/94	y
1-SPM-64A-3-4-2	Miscellaneous Steam Trap Piping	2	Functional	12/24/94	y
1-SPM-68A-3-1-1	Main Feedwater to "A" Steam Generator	2	Inservice	12/23/94	y
1-SPM-68A-3-1-2	Main Feedwater to "B" Steam Generator	2	Inservice	11/28/94	y
1-SPM-68A-3-1-3	Main Feedwater to "C" Steam Generator	2	Inservice	11/28/94	y
1-SPM-68A-3-1-4	Auxiliary Feedwater Headers	2	Functional	12/15/94	y
2-SPM-83B-3-3-4	Reactor Coolant System to Primary Vent Pot Normal Lineup	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-86A-3-1-1	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y
2-SPM-86A-3-2-1	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y

**ABSTRACT OF EXAMINATIONS PERFORMED  
SYSTEM PRESSURE TEST PROGRAM**

<u>ZONE</u>	<u>DESCRIPTION</u>	<u>CODE CLASS</u>	<u>TEST TYPE</u>	<u>DATE</u>	<u>REMARKS</u>
2-SPM-86A-3-3-1	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y
2-SPM-86B-3-1-1	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y
2-SPM-86B-3-1-2	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y
2-SPM-86B-3-1-3	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y
2-SPM-88C-3-1-1	Charging System to Reactor Coolant System	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-88C-3-1-2	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y
2-SPM-88C-3-1-3	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-88C-3-2-4	"A" Reactor Coolant Pump Seal Return	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-88C-3-2-5	"B" Reactor Coolant Pump Seal Return	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-88C-3-2-6	"C" Reactor Coolant Pump Seal Return	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-88C-3-2-8	Reactor Coolant Pump Seal Injection	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-88C-3-1-6	Charging /Aux. Spray to Reactor Coolant System	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-89B-3-1-1	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y
2-SPM-89B-3-1-3	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-89B-3-2-1	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y
2-SPM-89B-3-2-3	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6	03/19/95	y
2-SPM-89B-3-3-1	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6,	03/19/95	y
2-SPM-89B-3-3-3	Reactor Coolant System Normal Line Up	1	Leakage, 4 hr. hold, RR-6	03/19/95	y

# ABSTRACT OF EXAMINATIONS PERFORMED SYSTEM PRESSURE TEST PROGRAM

<u>ZONE</u>	<u>DESCRIPTION</u>	<u>CODE</u> <u>CLASS</u>	<u>TEST</u> <u>TYPE</u>	<u>DATE</u>	<u>REMARKS</u>
2-SPM-89B-3-4-1	Reactor Coolant System and Safety Injection	1	Leakage, 4 hr. hold, RR-6	03/19/95	y

p = Part of test zone completed on previous date within the 2nd Interval, 3rd Period. The date shown indicates final completion for entire test zone.

y = Full test zone completed on date shown.

## **SNUBBER PROGRAM**

Snubber visual inspection was performed in accordance with Technical Specification 4.17, no failures were identified.

Forty three (43) snubbers were selected for functional inspection and seal replacement this refueling outage, no failures were identified during functional inspection. Snubber removal and installation for the Technical Specification functional testing program are considered maintenance activities and not ASME Section XI repair and replacements. The ANII was not involved in the review of this work.

**SURRY UNIT 2, FEBRUARY 1995 RFO**

**S/G "A", EDDY CURRENT EXAMINATION SUMMARY**

In Steam Generator "A", all available tubes were inspected full length with bobbin probes. A 301 tube sample was tested with Rotating Pacake Coil (RPC) probes in the hot leg transition (TSH +/- 3") region. Supplemental examinations were also performed using RPC probes where additional confirmatory or other data was desired. The following tubes were plugged for axially oriented indications:

<u>Row</u>	<u>Column</u>
4	36
6	39
7	39
7	50

Tube R1-C59 was plugged as a precautionary measure due to a restriction at the tubesheet on the hot leg. This Steam Generator contains a total of seven plugged tubes. See the attached list for details of this examination.

SURRY 2, 1995 REFUELING OUTAGE  
STEAM GENERATOR "A"

ROW	COL	LOCN	IND	REMARKS
18	5	2C	15	
8	6	5H	10	
8	8	2C	26	
24	9	4H	11	
19	14	5C	14	
26	18	3C	29	
7	19	4H	15	
9	19	6H	11	
31	20	4C	12	
37	22	1H	29	
27	26	3C	14	
31	26	TSH	10	
6	27	3C	14	
38	27	AV3	15	
41	27	2H	36	
2	28	TSC	11	
27	29	3C	13	
28	29	2H	17	
20	30	6H	15	
22	30	6H	32	
41	32	6C	28	
2	33	6H	14	
23	34	6H	10	
29	34	AV4	17	
1	35	2C	13	
1	35	TSC	36	
2	35	3H	23	
6	35	2C	17	
9	35	TSC	17	

SURRY 2, 1995 REFUELING OUTAGE  
STEAM GENERATOR "A"

ROW	COL	LOCN	IND	REMARKS
13	35	4H	10	
13	35	6H	18	
19	35	7H	14	
4	36	TSC	37	plugged
4	36	TSC	SAI	plugged
7	36	TSC	21	
9	36	6H	16	
4	37	TSC	14	
23	37	7H	18	
6	38	TSC	27	
31	38	6H	29	
6	39	TSC	MAI	plugged
7	39	TSC	SAI	plugged
12	39	6C	37	
14	41	6H	25	
21	41	6H	13	
3	43	5H	27	
4	43	TSC	23	
17	44	6H	27	
4	45	TSC	26	
19	45	AV4	17	
35	47	2C	14	
43	48	AV4	30	
19	49	7C	16	
46	49	BPH	18	
46	49	5H	21	
7	50	TSC	MAI	plugged
26	50	1C	31	
31	50	1H	19	
9	51	TSC	16	

**SURRY 2, 1995 REFUELING OUTAGE  
STEAM GENERATOR "A"**

ROW	COL	LOCN	IND	REMARKS
10	52	5C	16	
15	52	AV4	22	
7	54	TSC	25	
9	54	TSH	25	
30	54	3C	20	
18	55	5C	29	
22	55	AV4	22	
35	55	2C	12	
36	55	BPH	27	
36	55	AV4	17	
43	55	AV2	15	
36	56	AV4	16	
38	56	6C	14	
4	57	2H	12	
7	57	2H	13	
7	57	TSC	11	
21	57	TSH	16	
21	57	4H	26	
25	57	AV2	16	
36	57	AV4	18	
38	57	4C	21	
17	58	6C	12	
1	59	TSC	28	plugged
1	59	TEH	RST	plugged
1	59	TSH	RST	plugged
3	59	3H	12	
43	60	2C	21	
16	61	1C	14	
4	62	2H	34	
19	62	6H	13	



**SURRY 2, 1995 REFUELING OUTAGE  
STEAM GENERATOR "A"**

ROW	COL	LOCN	IND	REMARKS
30	62	1H	26	
30	62	4H	16	
30	62	5C	31	
36	62	AV2	12	
40	65	AV2	18	
8	66	TSH	27	
8	66	1H	18	
11	66	6C	14	
8	67	1C	14	
24	68	7H	19	
32	68	AV3	19	
32	69	4H	14	
24	70	4C	19	
38	70	BPH	25	
14	72	BPH	26	
23	72	BPC	14	
31	72	3C	17	
38	72	AV4	17	
12	73	6C	16	
12	73	1C	16	
16	74	2C	19	
36	74	4C	26	
37	74	2C	28	
6	75	2C	24	
22	77	4H	12	
24	77	4C	19	
6	78	1C	10	
1	79	5H	18	
27	80	4H	15	
8	82	4C	13	

SURRY 2, 1995 REFUELING OUTAGE  
STEAM GENERATOR "A"

ROW	COL	LOCN	IND	REMARKS
3	83	TSH	36	
3	83	BPH	13	
21	83	1C	19	
24	85	2C	25	
25	85	6C	10	
1	86	2C	14	
11	86	6H	37	
23	86	6C	26	
26	86	AV3	19	
26	86	3C	35	
11	87	6C	31	
12	87	6C	30	
4	88	6H	17	
12	88	TSH	11	
6	89	2C	19	
12	92	2C	27	

VIRGINIA ELECTRIC AND POWER COMPANY  
STEAM GENERATOR EDDY CURRENT TUBE INSPECTION

GLOSSARY OF TERMS

1. ROW, COL - COLUMN - tube identifier numbers - an X-Y coordinate system.
2. IND - INDICATION - Character codes and numerics that represent the analysis results of the data for that tube, e.g., SAA, 25%, etc.
3. LOCN - LOCATION - The location in the tube of the INDICATION called.
4. MAI - MULTIPLE AXIALLY ORIENTED INDICATION - Describes multiple axially oriented indication signals from Rotating Pancake Coil probe data.
5. MAA - MULTIPLE AXIAL ANOMALY - Describes multiple axially oriented anomalies that are called from Rotating Pancake Coil probe data to allow future monitoring.
6. 55 - A number in the indication column shows the % through wall depth of the indication.
7. RST - RESTRICTED - Indicates that the probe listed in the record would not physically pass the location specified.
8. SAA - SINGLE AXIAL ANOMALY - Describes single axially oriented anomalies that are called from Rotating Pancake Coil probe data to allow future monitoring.
9. SAI - Describes a single axially oriented indication signals from Rotating Pancake Coil probe data.
10. TEH - Tube End Hot leg.
11. TEC - Tube End Cold leg.
12. TSH - Top of Tubesheet Hot leg.
13. TSC - Top of Tubesheet Cold leg.
14. BPH, BPC - BAFFLE PLATE HOT AND COLD
15. #C, #H - (# = number) of Support Plate Hot or Cold leg. e.g., 3H, 6H, 7C.
16. AV1, AV2, AV3, AV4 - Anti-Vibration Bars 1 through 4.

Note: Where no comment appears in the remarks column the tube is still in service.

**ATTACHMENT 2**

**SURRY POWER STATION UNIT 2**  
**ISI INSPECTIONS**

**REPAIRS AND REPLACEMENTS**  
**NIS-2 FORMS**

## **Repairs and Replacements**

Repairs and Replacements completed during this refueling outage for Interval 2, Period 3 were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1980 Edition through 1980 Winter Addenda. For Interval 3, Period 1, Repairs and Replacements were performed in accordance with the 1989 Edition of Section XI.

The following paragraphs and attached NIS-2 Forms represent those repairs performed on Class 1 and Class 2 systems:

### **Interval 2 Repairs and Replacements**

RR# 91-32, Replaced 2"x 2"x 1/4" TEE in charging System. This replacement was performed on DCP 88-38 and was completed on 05-12-94.

RR# 91-33, Replaced Flow Element (orifice plate assembly) 2-CH-FE-2180. This replacement was performed on DCP 88-38 and was completed on 05-12-94.

RR# 93-146, Replaced bolting on valve 2-RC-SV-2551A. This replacement was performed on Work Order 00265637-01 and completed on 08-16-93.

RR# 93-147, Replaced bolting on valve 2-RC-SV-2551B. This replacement was performed on Work Order 00265640-02 and completed on 08-16-93.

RR# 93-148, Replaced bolting on valve 2-RC-SV-2551C. This replacement was performed on Work Order 00265641-02 and completed on 08-16-93.

RR# 93-154, Replaced hand hold cover bolting on Steam Generator 2-RC-E-1C. This replacement was performed on Work Order 00265690-01 and completed on 08-15-93.

RR# 93-157, Replaced the bolting on the discharge flange connection to Charging pump 2-CH-P-1A. This replacement was performed on Work Order 00263823-01 and completed on 09-11-93.

RR# 93-208, Replaced secondary side manway studs on "C" Steam Generators (2-RC-E-1C). This replacement was performed on Work Orders 00277352-01 and 00277352-04 and completed on 12-02-93.

RR# 93-209, Repaired socket weld to Valve 2-FW-67. This repair was performed on Work Order 00277610-01 and completed on 11-24-93.

RR# 94-124, Replaced bolting and spring can on Component Support 2-RS-PH-M123N2.5. (Spring can was replaced with 2-RS-PH-M123N1.3) This replacement was performed on Work Order 00273362-01 and completed on 03-30-94.

per DCP 84-05. This modification was performed on DCP 84-05 and completed on 10-03-94.

### **Interval 3 Repairs and Replacements**

RR# 93-036, Replaced Main Steam System valve 2-MS-86. This replacement was performed on Work Order 00264628-01 and completed on 02/11/95

RR# 94-141, Replaced studs and nuts on Containment Spray System valve 2-CS-MOV-202A. This replacement was performed on Work Order 00280351-01 and completed on 2/19/95.

RR# 94-150, Replace bolting on Charging System valve 2-CH-MOV-2286A. This replacement was performed on Work Order 00267512-01 and completed on 01-20-95.

RR# 94-153, Replaced Pressurizer Safety Valve 2-RC-SV-2551A per DCP 92-44. This replacement was performed on Work Order 00287865-01 and completed on 06-17-94.

RR# 94-154, Replaced Pressurizer Safety Valve 2-RC-SV-2551B per DCP 92-44. This replacement was performed on Work Order 00287869-01 and completed on 06-13-94.

RR# 94-155, Replaced Pressurizer Safety Valve 2-RC-SV-2551C per DCP 92-44. This replacement was performed on Work Order 00287872-01 and completed on 06-13-94.

RR# 94-156, Replaced trim assembly on Charging System Flow Control Valve 2-CH-FCV-2160. This replacement was performed on Work Order 00260090-09 and completed on 06-13-94.

RR# 94-158, Repaired steam cut on secondary manway of Steam Generator 2-RC-E-1A. This repair was performed on Work Order 00286998-06 and completed on 06-14-94.

RR# 94-160, Replaced cap screws and nuts on support H-006 (11548-WMKS-0125A1). This replacement was performed on Work Order 00291611-01 and completed on 06-15-94.

RR# 94-161, Replaced fasteners on hydraulic control valve 2-RC-HCV-2556B. This replacement was performed on Work Order 00278195-01 and completed on 06-17-94.

RR# 94-164, Replaced Snubber 2-MS-HSS-33A. This replacement was performed on Work Order 00292634-01 and completed on 06-23-94.

RR# 94-168, Replaced trim assembly on Main Steam System Pressure Control Valve 2-MS-PCV-202B. This replacement was performed on Work Order 00293168-01 and completed on 07-26-94.

RR# 94-169, Replaced trim assembly on Main Steam System Pressure Control Valve 2-MS-PCV-202A. This replacement was performed on Work Order 00294416-01 and completed on 07-26-94.

RR# 94-170, Replaced Charging System Valve 2-CH-258 (cut out existing valve and weld in new valve). This replacement was performed on Work Order 00296431-03 and complete on 08-11-94.

RR# 94-193, Replace bolting on Containment Spray System Valve 2-CS-7. This replacement was performed on Work Order 00299527-01 and completed on 12-11-94.

RR# 94-196, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-79. This modification was performed on Work Order 00303005-01 and completed on 02-10-95.

RR# 94-197, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-82. This modification was performed on Work Order 00303005-02 and completed on 02-10-95.

RR# 94-198, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-85. This modification was performed on Work Order 00303005-03 and completed on 02-10-95.

RR# 94-199, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-128. This modification was performed on Work Order 00303005-04 and completed on 02-05-95.

RR# 94-200, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-130. This modification was performed on Work Order 00303005-05 and completed on 02-05-95.

RR# 94-201, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-241. This modification was performed on Work Order 00303005-06 and completed on 02-05-95.

RR# 94-202, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-242. This modification was performed on Work Order 00303005-07 and completed on 02-10-95.

RR# 94-203, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-243. This modification was performed on Work Order 00303005-08 and completed on 02-10-95.

RR# 94-204, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-107. This modification was performed on Work Order 00303005-09 and completed on 02-05-95.

RR# 94-205, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-109. This modification was performed on Work Order 00303005-010 and completed on 02-05-95.

RR# 94-206, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-145. This modification was performed on Work Order 00303005-011 and completed on 02-10-95.

RR# 94-207, Attach (weld) acoustic transducer mounts to Safety Injection System Valve 2-SI-147. This modification was performed on Work Order 00303005-012 and completed on 02-05-95.

RR# 95-006, Replaced nuts, bolts, and bushing on Safety Injection System pipe support (line # 12"-SI-202-153). This replacement was performed on Work Order 00264668-01 and completed on 02/16/95.

RR# 95-012, Replaced Steam Generator Blowdown System valve 2-BD-3. This replacement was performed on Work Order 00294429-02 and completed on 02/14/95.

RR# 95-013, Replaced Steam Generator Blowdown System valve 2-BD-52. This replacement was performed on Work Order 00294755-02 and completed on 02/11/95.

RR# 95-016, Replaced Chemical and Volume Control System valve 2-CH-256. This replacement was performed on Work Order 00287820-01 and completed on 02-22-95.

RR# 95-017, Replaced Reactor Coolant System valve 2-RC-160. This replacement was performed on Work Order 00287792-02 and completed on 02/25/95.

RR# 95-019, Replaced studs and nuts on Chemical and Volume Control System valve 2-CH-MOV-2286A. This replacement was performed on Work Order 00308272-01 and completed on 02/21/95.

RR# 95-21, Replaced steam trap 2-MS-TD-9 on Main Steam System per design change DCP-93-064-3. This replacement was performed on Work Order 00295300-07 and was completed on 03/04/95.

RR# 95-25, Replaced bonnet capscrews on Main Steam valve 2-MS-176. This replacement was performed on Work Order 00287270-01 and was completed on 02/15/95.

RR# 95-26, Replaced bonnet capscrews on Main Steam valve 2-MS-178. This replacement was performed on Work Order 00293247-01 and was completed on 02/15/95.

RR# 95-028, Replaced the trim assembly on Chemical and Volume Control System valve 2-CH-HCV-2311. This replacement was performed on Work Order 00309986-02 and completed on 03/07/95

RR# 95-029, Replaced Reactor Coolant System pump 2-RC-P-1A seal housing bolts. This replacement was performed on Work Order 00292986-04 and completed on 02/28/95.



RR# 95-032, Replaced studs and nuts on Reactor Coolant System valve 2-RC-160. This replacement was performed on Work Order 00287792-01 and completed on 02/25/95.

RR# 95-033, Replaced studs and nuts on Recirculation Spray System valve 2-RS-11. This replacement was performed on Work Order 00293322-01 and completed on 02/22/95.

RR# 95-034, Replaced studs and nuts on Residual Heat Removal system filter 2-RH-YS-1. This replacement was performed on Work Order 00294830-01 and completed on 02/21/95.

RR# 95-036, Replaced studs and nuts on Safety Injection System valve 2-SI-56. This replacement was performed on Work Order 00293330-01 and completed on 02/20/95.

RR# 95-039, replaced trim assembly on RHR valve 2-RH-HCV-2142. This replacement was performed on Work Order 00291877-01 and completed on 02/20/95.

RR# 95-040, Replaced studs and nuts on Residual Heat Removal System valve 2-RH-11. This replacement was performed on Work Order 00292623-01 and completed on 02/20/95.

RR# 95-043, Replaced Main Steam Valve 2-MS-120. This replacement was performed on Work Order 00310786-01 and was completed on 03/18/95.

RR# 95-044, Replaced studs and nuts on Residual Heat Removal System valve 2-RH-24. This replacement was performed on Work Order 00287800-01 and completed on 02/20/95.

RR# 95-045, Replaced Reactor Coolant System pump 2-RC-P-1B seal housing bolts. This replacement was performed on Work Order 00292987-04 and completed on 03/01/95.

RR# 95-046, Replaced disc in Main Steam System valve 2-MS-182. This replacement was performed on Work Order 00310619-01 and completed on 02/16/95.

RR# 95-049, Replaced bolting in secondary manway on Steam Generator 2-RC-E-1C. This replacement was performed on Work Order 00293035-01 and completed on 03/12/95.

RR# 95-050, Replaced Main Steam System orifice plate, studs and nuts on assembly 2-MS-FE-200. This replacement was performed on Work Order 00288621-01 and completed on 02/21/95.

RR# 95-064, Replaced Instrument Air System valve 2-IA-864. This replacement was performed on Work Order 00312402-02 and completed on 03/07/95.

RR# 95-066, Replaced rod in component support H-001 On drawing 11548-WMKS-RC-12Z5. This replacement was performed on Work Order 00313102-01 and was completed on 03/10/95.

RR# 95-075, Replaced studs and nuts on Reactor Coolant System valve 2-RC-SV-2551A. This replacement was performed on Work Order 00293314-01 and completed on 03/09/95.

RR# 95-076, Replaced studs and nuts on Reactor Coolant System valve 2-RC-SV-2551B. This replacement was performed on Work Order 00293315-01 and completed on 03/09/95.

RR# 95-077, Replaced studs and nuts on Reactor Coolant System valve 2-RC-SV-2551C. This replacement was performed on Work Order 00293316-01 and completed on 03/09/95.

RR# 95-078, Replaced studs and nuts on Chemical and Volume Control System valve 2-CH-MOV-2115B. This replacement was performed on Work Order 00313895-03 and completed on 03/13/95.

RR# 95-079, Replaced studs and nuts on Chemical and Volume Control System valve 2-CH-MOV-2115D. This replacement was performed on Work Order 00313901-03 and completed on 03/13/95.

RR# 95-083, Replaced the pin in the Main Steam System support 2-MS-HSS-35B. This replacement was performed on Work Order 00299563-02 and completed on 02/16/95.

RR# 95-084, Replaced the pin in the Main Steam System support 2-MS-HSS-29. This replacement was performed on Work Order 00298077-03 and completed on 02/16/95.

RR# 95-085, Replaced the pin in the Safety Injection System support 2-SI-HSS-26. This replacement was performed on Work Order 00294598-01 and completed on 03/01/95.

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

1. Owner Virginia Electric and Power Co. Date 5/12/94  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Address  
Sheet 1 of 1
2. Plant Surry Power Station Unit TWO  
Name  
P.O. Box 315, Surry, VA 23883 Address  
DCP 88-38 P24-U2 RTZ # 91-32 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, Surry, VA 23883 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System CHARGING
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980W80
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
TEE 2"x2"x1/4"	N/A	NA	NA	Z-CH-P-2D	NA	REPLACED	NO
TEE 2"x2"x1/4"	FRISCHKORN	NA	NA	Z-CH-P-2D	1990	REPLACEMENT	NO

7. Description of Work INSTALL TEE
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure 1.25 PSI X psi Test Temp. AMBIENT °F  
DESIGN

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

5/17/95

FORM NIS-2 (Back)

9. Remarks CSU-316855 (TEE)

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. L. Logan, ISE ENGINEER Date MAY 12, 1994  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI & I Co. of Hartford, CT

5-1-90 to 5-10-94 have inspected the components described in this Owner's Report during the period 5-1-90 to 5-10-94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 5-12 1994

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

1. Owner Virginia Electric and Power Co.  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060  
Address

Date 5/12/94  
Sheet 1 of 1

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

Unit 2  
DCP 88-38, P26-42 RTZ # 91-33  
Repair Organization P.O. No., Job No., etc.

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

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

4. Identification of System CHARGING

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flow Element (ORIFICE PLATE ASSEMBLY)	NA	NA	NA	Z-CH-FE-2180	NA	Replaced	NO
Flow Element (ORIFICE PLATE ASSEMBLY)	DANIEL FLOW PRODUCTS	NA	NA	Z-CH-FE-2180	1991	Replacement	NO

7. Description of Work REPLACE FLOW ELEMENT

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure 1.25 PSI psi Test Temp: AMBIENT °F

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

(12/82)

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

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks SS4-335889 (ORIFICE PLATE ASSEMBLY)  
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Rosen ISE Engineer Date MAY 12, 19 94  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI & I Co. of Hartford, CT

have inspected the components described in this Owner's Report during the period 5-1-90 to 5-10-94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 5-18 19 94

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

RR 93-146

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 10/8/93  
Name  
5000 DOMINION BLVD. GREEN AVE., VA. 23060 Address  
Sheet 1 of 1
2. Plant SURRY POWER STATION Unit TWO  
Name  
P.O. Box 315, Surry, VA. 23883 Address  
WFO # 00265637-01 Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, Surry, VA. 23883 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 480

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS (12 EA)	UNKNOWN	UNKNOWN	N/A	2-RC-SI-2551A	N/A	REPLACED	NO
NUTS (24 EA)	UNKNOWN	UNKNOWN	N/A	2-RC-SI-2551A	N/A	REPLACED	NO
STUDS (2 EA)	MOVA MACHINE	LOT # 34039044	N/A	2-RC-SI-2551A	N/A	REPLACEMENT	NO
NUTS (24 EA)	HARDWARE SURRY	PT # C6X267/1A	N/A	2-RC-SI-2551A	N/A	REPLACEMENT	NO

7. Description of Work REMOVE / TEST / REPLACE SAFETY VALVE
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2135 psi Test Temp. 2500 °F

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

FORM NIS-2 (Back)

9. Remarks

PO# SSY-422403(5) - STMS

Applicable Manufacturer's Data Reports to be attached

PO# CSY-231327(7) - NUTS

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

W. P. Rogers

ISI ENGINEER

Date

OCT. 8

19 93

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by H. S. B. & E. Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-1-90 to 5-10-94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coden

Inspector's Signature

Commissions

10-5-93

National Board, State, Province, and Endorsements

Date

10-18

19 93



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

Re # 93-147

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 10/8/93  
Name  
5000 DOMINION BLVD. GREEN AVE., VA. 23060 Address  
Sheet 1 of 1
2. Plant SURRY POWER STATION Unit TWO  
Name  
P.O. Box 315, SURRY, VA. 23883 Address  
WO # 00265640-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, SURRY, VA. 23883 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80 W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS (12 EA)	UNKNOWN	N/A	N/A	2-RC-SU-2551A	N/A	REPLACES	NO
NUTS (24 EA)	UNKNOWN	N/A	N/A	2-RC-SU-2551B	N/A	REPLACES	NO
STUDS (12 EA)	NOVA MACHINE	LOT # 34059044	N/A	2-RC-SU-2551A	N/A	REPLACEMENT	NO
NUTS (24 EA)	HARDWARE SPECIALTY	HP C6X267	N/A	2-RC-SU-2551B	N/A	REPLACEMENT	NO

7. Description of Work REMARK / TEST / REPLACE SAFETY VALVE
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2135 psi Test Temp. 2500 °F

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

FORM NIS-2 (Back)

9. Remarks PO# 554-422403(5) - STDS  
PO# 554-231327(7) - NIOS  
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed R. L. Coden ISE ENGINEER Date OCT. 8, 19 93  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by H. B. E. Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-1-90 to 5-10-94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coden Commissions 10-5-93  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 10-18 19 93

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

RE # 93-148

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 10/18/93  
Name  
5000 Dominion Blvd, Green Allen, Va. 23060 Sheet 1 of 1  
Address
2. Plant SURRY POWER STATION Unit TWO  
Name  
P.O. Box 315, Surry, Va. 23883 WO # 006 00265641-02  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, Surry, Va. 23883 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS (12 EA)	UNKNOWN	N/A	N/A	2-RC-SV-2551C	N/A	REPLACED	NO
NUTS (24 EA)	UNKNOWN	N/A	N/A	2-RC-SV-2551C	N/A	REPLACED	NO
STUDS (12 EA)	NOVA HANNAH	LOT # 34058044	N/A	2-RC-SV-2551C	N/A	REPLACEMENT	NO
NUTS (24 EA)	WIDEMARK-SPECIALTY	HT# C64267	N/A	2-RC-SV-2551C	N/A	REPLACEMENT	NO

7. Description of Work REMOVE / TEST / REPLACE SAFETY VALVE
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2135 psi Test Temp. 2500 °F

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

FORM NIS-2 (Back)

9. Remarks

PO# 584-422403 (5) - STAIRS

Applicable Manufacturer's Data Reports to be attached

PO# CSY-231327 (7) - MRS

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

Robert L. Coder  
Owner or Owner's Designee, Title

Date

OCT 8

19 93

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 & E Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-1-90 to 5-10-94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coder  
Inspector's Signature

Commissions

N.B. 513

National Board, State, Province, and Endorsements

Date

10-18 19 93

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

1. Owner Virginia Electric and Power Co. Date 6/1/94  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
P.O. Box 315, Surry, VA 23883  
Address  
WR# 265690-01 RR# 93-154  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, Surry, VA 23883  
Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W80
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hand Hole Bolt	N/A	N/A	N/A	2-RC-E-1C	N/A	REPLACED	N/A
Hand Hole Bolt	Westinghouse	DATA # 657B293, RA	N/A	2-RC-E-1C	N/A	REPLACED	N/A

7. Description of Work
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure NOT psi Test Temp: NOT °F

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

(12/82)

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

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks PO# SNT 392192

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Lazen BSI Engineer Date June 1, 19 94  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI & I Co. of Hartford, CT

01-90 R1C have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-94 R1C, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 6-1 19 94

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

1. Owner Virginia Electric and Power Co. Date 6/1/94  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Address  
Sheet 1 of 1
2. Plant Surry Power Station Unit Two  
Name  
P.O. Box 315, Surry, VA 23883 Address  
WO# 00263823-01, RR # 93-157 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, Surry, VA 23883 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System CHEMICAL AND VOLUME CONTROL
5. (a) Applicable Construction Code B31.1 1967 Edition N/A Addenda N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980W80
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS	N/A	N/A	N/A	2-CH-P-1A	N/A	REPLACED	NO
NUTS	N/A	N/A	N/A	2-CH-P-1A	N/A	REPLACED	NO
STUDS	NOVA MACHINE PRODUCTS CORP	HY# 8094962	N/A	2-CH-P-1A	N/A	REPLACEMENT	NO
NUTS	ANNE'S NUTS CO. INC.	HY# Q2293A	N/A	2-CH-P-1A	N/A	REPLACEMENT	NO

7. Description of Work REPLACE DISCHARGE PUMP BOLTING
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

(12/82)

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

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks PO# 55423225(1) : Nuts

Applicable Manufacturer's Data Reports to be attached

PO# 55423225(2) : Studs

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. L. Deane ISI Engineer Date June 1, 19 94  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI & I Co. of Hartford, CT

01-90 RIC have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 6-1 19 94



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

Ref # 93-208

1. Owner Virginia Electric and Power Co. Date 12/15/83  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit Two  
Name  
P.O. Box 315, Surry, VA 23883 WB #00277352-01 AWS 00277352-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, Surry, VA 23883 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MANWAY STUDS (11EA)	WESTINGHOUSE	SPIN # RCPCSG	N/A	2-RC-E-1C	N/A	REPLACED	NO
MANWAY STUDS (11EA)	WESTINGHOUSE	SPIN # RCPCSG	N/A	2-RC-E-1C	N/A	REPLACEMENT	NO

7. Description of Work REPAIR SECONDARY SIDE MANWAY STUDS
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure NOP psi Test Temp: NOT °F

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

FORM NIS-2 (Back)

9. Remarks:

PO# SUT-228990 (1)

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

D. L. Brown IST Engineer  
Owner or Owner's Designee, Title

Date

Dec. 15

19 93

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 HSBI & I Co. of Hartford, CT

have inspected the components described in this Owner's Report during the period 5-1-90 to 5-10-94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coder  
Inspector's Signature

Commissions

VA 543

National Board, State, Province, and Endorsements

Date

12-15 19 93

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

1. Owner Virginia Electric and Power Co. Date 12/13/93  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit Two  
Name  
P.O. Box 315, Surry, VA 23883 WD# 00277610-01, RR# 93-209  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, Surry, VA 23883 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System FEEDWATER
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 W80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>VALVE</u>	<u>CONVAL</u>	<u>1262-105</u>	<u>N/A</u>	<u>2-FW-67</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>NO</u>

7. Description of Work REPAIR WELD AT VALVE (3/4")
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure N/A psi Test Temp. N/A °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Rogers ISI ENGINEER Date DEC. 13, 19 93   
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI & I Co. of Hartford, CT

we have inspected the components described in this Owner's Report during the period 5-01-90 to 10-14-93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 12-14 19 93

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

1. Owner Virginia Electric and Power Co. Date 4/19/94  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 2  
Address
2. Plant Surry Power Station Unit 2  
Name  
P.O. Box 315, Surry, VA 23883 W.O.# 00273362-01 TRR # 94-124  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, Surry, VA 23883 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System RESEARCH SPRAY
5. (a) Applicable Construction Code B31.1 1967 Edition N/A Addenda N-1, II-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980 WRO
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Hex Nut $\frac{1}{2}$ "	NA	NA	NA	2-RS-PH-M123N25	NA	REPLACED	NO
STUD $\frac{1}{2}$ "	NA				NA	↓	
Hex Nut $\frac{1}{2}$ "	NOVA				1993	REPLACEMENT	
STUD $\frac{1}{2}$ "	NOVA				1993	↓	
Spring Can	GRINNELL	Fig B-268 SIZE 4	NA		NA	REPLACED	NO

7. Description of Work REPLACE THREADED ROD AND NUTS ON COMPONENT SUPPORT / SWAP  
SPRING CAN FOR ONE FROM ANOTHER LOCATION
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks NT 449104 (Hex Nut  $\frac{1}{2}$ " )  
NT 440328 (STUD  $\frac{1}{2}$ " )  
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed John Brown ISE Engineer Date April 18, 1994  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI & I Co. of Hartford, CT

have inspected the components described  
 in this Owner's Report during the period 5-1-90 to 4-10-94 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-25 19 94

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

1. Owner Virginia Electric and Power Co. Date 4/19/94  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 2 of 2  
Address
2. Plant Surry Power Station Unit 2  
Name  
P.O. Box 315, Surry, VA 23883 W.O. # 273362-01 RR# 94-174  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, Surry, VA 23883 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Recirc Spray
5. (a) Applicable Construction Code B31.1 :967 Edition N/A Addenda N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19890W80  
2025/185
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SPRING CAN	GRINNELL	FIG B-268 SIZE 5	NA	I-RS-PH-M123N1.3	NA	REPLACEMENT	NO

7. Description of Work REPLACE THREADED ROD AND NUTS ON COMPONENT SUPPORT / SWAP SPRING CAN FOR ONE FROM ANOTHER LOCATION
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

FORM NIS-2 (Back)

3. Remarks \* SEE BACK OF PAGE ONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. L. Rogers IST Engineer Date April 19 19 94  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI & I Co. of Hartford, CT

have inspected the components described in this Owner's Report during the period 5-1-90 to 5-10-94 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-25 19 94



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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 9/29/94  
Name  
5000 DOMINION BLVD., GLEN ALLEN, VA. 23060 Address  
Sheet 1 of 1
2. Plant SUARY POWER STATION Unit TWO  
Name  
P.O. BOX 315, SUARY, VA. 23883 Address  
DCP 84-05 Repair Organization P.O. No., Job No., etc.
3. Work Performed by VA. POWER Type Code Symbol Stamp N/A  
Name  
P.O. BOX 315, SUARY, VA. 23883 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System SAFETY INJECTION
5. (a) Applicable Construction Code B31.1 19 67 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 88-80W80  
DEC 9/29/94
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PIPING</u>	<u>PER SUPPORTING</u>	<u>PER</u>	<u>N/A</u>	<u>2-SI-TK-2</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>VALVES</u>	<u>DCP 84-05</u>	<u>DCP 84-05</u>	<u>N/A</u>	<u>2-SI-TK-2</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>
<u>SUPPORTS</u>	<u>DCP 84-05</u>	<u>DCP 84-05</u>	<u>N/A</u>	<u>2-SI-TK-2</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPAIR PIPING AROUND OLD (ABANDONED) BIT TANK
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure 1.25X DESIGN psi Test Temp. AMBIENT °F

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

FORM NIS-2 (Back)

9. Remarks

NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

W. L. Rogers

ISI ENGINEER

Date

SEPT 29

19

94

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSBE & E Co. of HARTFORD, CT.   
 01-90 R1e have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-94 R1e, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coder

Inspector's Signature

Commissions

Va 543

National Board, State, Province, and Endorsements

Date

10-3 19 94

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

1. Owner Virginia Electric and Power Co.  
Name

Date 3/30/95

5000 Dominion Blvd., Glen Allen, Va. 23060  
Address

Sheet 1 of 1

2. Plant Surry Power Station  
Name

Unit Two

5570 Hog Island Rd., Surry, Va. 23883  
Address

WO#00264628-01, RR#93-036

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

3. Work Performed by Virginia Power  
Name

Type Code Symbol Stamp NA

Same as above

Authorization No. NA

Expiration Date NA

Address

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	NA	NA	NA	2-MS-86	NA	Replaced	No
Valve	Anchor Darling	Ht.#V5244	NA	2-MS-86	NA	Replacement	No
Pipe	Hub, Inc.	Ht.#N25841-USS	NA	2-MS-86	NA	Replacement	No

7. Description of Work Replace valve.

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

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

FORM NIS-2 (Back)

9. Remarks PO# CNT 331117 (valve), PO# SSY 374812 (pipe)  
Applicable Manufacturer's Data Reports to be attached

CODE CASE N416-1 APPLIES.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed R. L. Rozen TST ENGINEER Date MARCH 30, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.

5-10-94 have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-3 19 95

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

1. Owner Virginia Electric and Power Co.  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address

Date 3/20/95

Sheet 1 of 1

2. Plant Surry Power Station  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address

Unit TWO

WO# 00200272-01, RR#94-141

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

3. Work Performed by Virginia Power  
Name  
Same as above  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System Containment Spray

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-CS-MOV-202A	NA	Replaced	No
Nuts	NA	NA	NA	2-CS-MOV-202A	NA	Replaced	No
Studs	Mackson, Inc.	Ht. Code NAV Ht. #50035	NA	2-CS-MOV-202A	NA	Replacement	No
Nuts	Mackson, Inc.	Ht. #8865334	NA	2-CS-MOV-202A	NA	Replacement	No

7. Description of Work Replace body to bonnet fasteners.

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

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

**FORM NIS-2 (Back)**

9. Remarks PO# BNT 4676504 (studs and nuts)  
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Green Date MARCH 20, 19 98  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21 1995

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

1. Owner Virginia Electric and Power Co. Date 2/17/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Sheet 1 of 1  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Unit Two  
Name  
Same as above  
Address
4. Identification of System Charging
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS	NA	NA	NA	2-CH-MOV-2286A	NA	Replaced	No
Nuts	NA	NA	NA	2-CH-MOV-2286A	NA	Replaced	No
Studs	Mackson, Inc.	HT#42322	NA	2-CH-MOV-2286A	NA	Replacement	No
Nuts	Mackson, Inc.	Ht#8097521	NA	2-CH-MOV-2286A	NA	Replacement	No

7. Description of Work Replace fasteners
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks PO# BNT-467650, RELEASE # 5 (STUDS)  
PO# CNT-435455 (NUTS)  
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. H. Rogers ISI ENGINEER Date FEB 17, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSOI AND I Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-1-94 to 5-1-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 2-20 19 95



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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 7/14/94  
Name  
5000 DOMINION BLVD., GLEN ALLEN, VA. 23060  
Address
2. Plant SURRY POWER STATION Sheet 1 of 1  
Name  
P.O. BOX 315, SURRY, VA. 23883  
Address
3. Work Performed by VA. POWER Unit TWO  
Name  
P.O. BOX 315, SURRY, VA. 23883  
Address
4. Identification of System REACTION COOLANT  
Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SAFETY VALVE</u>	<u>CROSBY</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RC-SV-2551A</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>YES</u>
<u>SAFETY VALVE</u>	<u>CROSBY</u>	<u>N81959-000001</u>	<u>N/A</u>	<u>2-RC-SV-2551A</u>	<u>1993</u>	<u>REPLACEMENT</u>	<u>YES</u>

7. Description of Work REPLACE PRESSURIZED SAFETY VALVE PER DCP 92-44
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2235 psi Test Temp. 2500 F

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

FORM NIS-2 (Back)

9. Remarks PO# BNT 421142

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed

W. H. Rogers ISI ENGINEER  
Owner or Owner's Designee, Title

Date

July 14

, 19 94

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 HSBE & E Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coder  
Inspector's Signature

Commissions

Va 543

National Board, State, Province, and Endorsements

Date

7-14 19 94

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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 2/14/94  
Name  
5000 DOMINION BLVD., GREEN ACRES, VA. 23060 Address  
Sheet 1 of 1
2. Plant SUARY POWER STATION Unit Two  
Name  
P.O. BOX 315, SUARY, VA. 23883 Address  
WO# 008-00287869-01, RD# 94-154 Repair Organization P.O. No., Job No., etc.  
Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A
3. Work Performed by VA. POWER Name  
P.O. BOX 315, SUARY, VA. 23883 Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.1 1962 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SAFETY VALVE</u>	<u>CROSBY</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RC-SV-2551B</u>	<u>N/A</u>	<u>REPLACED</u>	<u>YES</u>
<u>SAFETY VALVE</u>	<u>CROSBY</u>	<u>181953-00-0005</u>	<u>N/A</u>	<u>2-RC-SV-2551B</u>	<u>1993</u>	<u>REPLACED</u>	<u>YES</u>

7. Description of Work REPLACE PRESSURIZED SAFETY VALVE PER DCP 92-44
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2235 psi Test Temp: 2500 °F  
> 500 2/14/94

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

FORM NIS-2 (Back)

9. Remarks

PO# BUT 421147

Applicable Manufacturer's Data Reports to be attached.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

D. P. Logan ISI ENGINEER  
Owner or Owner's Designee, Title

Date

July 14

19 94

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 HSBE & Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Corder  
Inspector's Signature

Commissions

Va 543

National Board, State, Province, and Endorsements

Date

7-14 19 94

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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 2/14/94  
Name  
5000 DOMINION BLVD. GAITHERSBURG, VA. 23060  
Address
2. Plant SUARY POWER STATION Unit TWO  
Name  
P.O. BOX 315, SUARY, VA. 23883  
Address
3. Work Performed by VA. POWER Type Code Symbol Stamp N/A  
Name  
P.O. BOX 315, SUARY, VA. 23883  
Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda, N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SAFETY VALVE</u>	<u>CROSBY</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RC-SV-2551C</u>	<u>N/A</u>	<u>REPAIRED</u>	<u>YES</u>
<u>SAFETY VALVE</u>	<u>CROSBY</u>	<u>N81958-00-0006</u>	<u>N/A</u>	<u>2-RC-SV-2551C</u>	<u>1993</u>	<u>REPLACEMENT</u>	<u>YES</u>

7. Description of Work REPLACE PRESSURIZED SAFETY VALVE PER DCP92-44
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2235 psi Test Temp. 7500 °F

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

FORM NIS-2 (Back)

9. Remarks

PO # BNT 421142

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

Owner or Owner's Designee, Title

W. L. Rogers ISI ENGINEERING

Date

July 14

19 94

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 HSBE & E Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Corder

Inspector's Signature

Commissions

Va 543

National Board, State, Province, and Endorsements

Date

7-14 19 94

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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 7/14/94  
Name  
5000 DOMINION BLVD., GLEN ALLEN, VA. 23060  
Address
2. Plant SUARY POWER STATION Unit TWO  
Name  
P.O. BOX 315, SUARY, VA. 23883 Address  
WO# 00260090, RE# 94-156  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by VA. POWER Type Code Symbol Stamp N/A  
Name  
P.O. BOX 315, SUARY, VA. 23883 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System CHARGING
5. (a) Applicable Construction Code B31.1 1962 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>PLUG</u>	<u>COPIES-VULCAN</u>	<u>N/A</u>	<u>N/A</u>	<u>2-CH-PLU-2160</u>	<u>N/A</u>	<u>REPLACED</u>	<u>NO</u>
<u>PLUG</u>	<u>COPIES-VULCAN</u>	<u>PART # 501398</u>	<u>N/A</u>	<u>2-CH-PLU-2160</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPAIR TRIM ASSEMBLY
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks

PO# CNT 451030

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

D. P. Logan ISI Engineer

Date

July 14

19 94

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSBI & E Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coda

Inspector's Signature

Commissions

Va 543

National Board, State, Province, and Endorsements

Date

7-14 19 94



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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 6/30/94  
Name  
5000 DOMINION BLVD., GLEN ALLEN, VA. 23060  
Address
2. Plant SURRY POWER STATION Unit TWO  
Name  
P.O. BOX 315, SURRY, VA. 23883  
Address
3. Work Performed by VA. POWER Type Code Symbol Stamp N/A  
Name  
PO BOX 315, SURRY, VA., 23883  
Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.1 1962 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SECONDARY MANWAY	WESTINGHOUSE	2972	6817	2-RE-E-1A	1970	REPAIRED	YES

7. Description of Work REPAIR STEAM CUT ON MANWAY
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

(12/82)

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

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks

NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

W. L. Logan ISI Engineer

Date

June 30

1994

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSBE & E Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert F. Coder

Inspector's Signature

Commissions

Na 543

National Board, State, Province, and Endorsements

Date

6-30 1994

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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 6/30/94  
Name  
5000 DOMINION BLVD., GLEN ALLEN, VA. 23060  
Address
2. Plant SUARY POWER STATION Sheet 1 of 1  
Name  
P.O. Box 315, SUARY, VA. 23883  
Address
3. Work Performed by VA. POWER Unit Two  
Name  
P.O. Box 315, SUARY, VA. 23883  
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.1 1962 Edition, N/A Addenda, N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CAPSCREWS	N/A	N/A	N/A	H-006	N/A	REPLACED	NO
NUTS	N/A	N/A	N/A	H-006	N/A	REPLACED	NO
CAPSCREWS	CARDINAL FND. PRODUCTION	H# C66935	N/A	N-006	N/A	REPLACEMENT	NO
NUTS	MACKSON INC. H#	H# 8093521	N/A	H-006	N/A	REPLACEMENT	NO

7. Description of Work REPLACE CAPSCREWS AND NUTS ON COMPONENT SUPPORT
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks PO# CSY 319062 (1) CAPSCREWS  
PO# CNT 435455 (1) NUTS  
DRAWING # 11548-WMIES-0125A1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed W. L. ROSEN IST ENGINEER Date JUNE 30, 1994  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSBE & I Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Corder Commissions Va 543  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 6-30 1994

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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 7/14/94  
Name  
5000 DOMINION BLVD., GREEN AULY, VA. 23060 Address  
Sheet 1 of 1
2. Plant SURRY POWER STATION Unit TWO  
Name  
P.O. BOX 315, SURRY, VA. 23883 Address  
WO# 00278195-01, RR# 94-161 Repair Organization P.O. No., Job No., etc.
3. Work Performed by VA. POWER Type Code Symbol Stamp N/A  
Name  
P.O. BOX 315, SURRY, VA. 23883 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.1 1962 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS	N/A	N/A	N/A	2-RC-MV-2556B	N/A	REPLACED	NO
NUTS	N/A	N/A	N/A	2-RC-MV-2556B	N/A	REPLACED	NO
STUDS	NOVA MACHINE PRODUCTS, INC. HT# 88700	ST# 37882680	N/A	2-RC-MV-2556B	N/A	REPLACEMENT	NO
NUTS	TEXAS COT CO. HT# 1-802350	N/A	N/A	2-RC-MV-2556B	N/A	REPLACEMENT	NO

7. Description of Work REPLACE FASTENERS
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks

PO# CNT 445481 (STUDS)

Applicable Manufacturer's Data Reports to be attached

PO# CNT 468601 (NUTS)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

W. L. Brown ISI ENGINEER

Date

July 14

1994

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSBE & E Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Cordier

Inspector's Signature

Commissions

Va 543

National Board, State, Province, and Endorsements

Date

7-14 1994

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

1. Owner VIRGINIA ELECTRIC AND POWER CO.  
Name  
5000 DOMINION BLVD., GAITHERSBURG, VA. 23060  
Address
2. Plant SUARY POWER STATION  
Name  
P.O. BOX 315, SUARY, VA. 23883  
Address
3. Work Performed by VA. POWER  
Name  
P.O. BOX 315, SUARY, VA. 23883  
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Construction Code B31.1 1967 Edition, N/A Addenda N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Date June 30, 1994  
Sheet 1 of 1  
Unit TWO  
WRO #00292643-01 RR# 94-164  
Repair Organization P.O. No., Job No., etc.  
Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>SNUGGER</u>	<u>ITT GRINNELL</u>	<u>SN32942</u> <u>THU 32946</u>	<u>N/A</u>	<u>2-MS-HSS-33A</u>	<u>N/A</u>	<u>REPLACED</u>	<u>NO</u>
<u>SNUGGER</u>	<u>ITT GRINNELL</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-HSS-33A</u>	<u>N/A</u>	<u>REPLACED</u>	<u>NO</u>

7. Description of Work REPLACE LEAKING SNUGGER
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks

70 # CNT 428083

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

n/a

Certificate of Authorization No.

n/a

Expiration Date

n/a

Signed

D. L. Logan ISI Engineer  
Owner or Owner's Designee, Title

Date

JUNE 30

19 94

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 HSBE & E Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coder  
Inspector's Signature

Commissions

Va 543

National Board, State, Province, and Endorsements

Date

6-30-94



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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 2/28/94  
Name  
5000 DOMINION BLVD., GLEN ALLEN, VA. 23060  
Address
2. Plant SURRY POWER STATION Sheet 1 of 1  
Name  
P.O. Box 315, SURRY, VA. 23883  
Address
3. Work Performed by VA. POWER Unit TWO  
Name  
P.O. Box 315, SURRY, VA. 23883  
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Construction Code B31.1 1962 Edition, N/A Addenda, N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>STEAM PUMP</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-PV-2020</u>	<u>N/A</u>	<u>REPLACED</u>	<u>NO</u>
<u>STEAM PUMP</u>	<u>POMER CONTROLS</u>	<u>11A5392X042</u>	<u>N/A</u>	<u>2-MS-PV-2021B</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPLACE TRIM ASSEMBLY
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks

Purchase Order # CNT 472441 (2)

Applicable Manufacturer's Data Reports to be attached:

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

W. P. Logan IST ENGINEER

Date

July 28

19 94

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSBE & E Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coden  
Inspector's Signature

Commissions

Va 543

National Board, State, Province, and Endorsements

Date

7-28 19 94

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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 7/28/94  
Name  
5000 DOMINION BLVD., GLEN ALLEN, VA. 23060  
Address
2. Plant SUARY POWER STATION Sheet 1 of 1  
Name  
P.O. BOX 315, SUARY, VA. 23883  
Address
3. Work Performed by VA. POWER Unit TWO  
Name  
P.O. BOX 315, SUARY, VA. 23883  
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Construction Code B31.1 1962 Edition, N/A Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>STEAM/PANG</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-MS-PCU-202A</u>	<u>N/A</u>	<u>REPLACED</u>	<u>NO</u>
<u>STEAM/PANG</u>	<u>FINEK CONTROLS</u>	<u>1185392X042</u>	<u>N/A</u>	<u>2-MS-PCU-202A</u>	<u>N/A</u>	<u>REPLACEMENT</u>	<u>NO</u>

7. Description of Work REPLACE TRIM ASSEMBLY
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure ☐ psi Test Temp. ☐ °F

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

(12/82)

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

REPRINT 12/91

FORM NIS-2 (Back)

9. Remarks Purchase Order # CNT-472441 (2)  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. P. Logan ISI Engineer Date July 28, 19 94  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSBE & E Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 7-28 19 94

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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date Aug 30, 1994  
Name  
5000 DOMINION BLVD. GAITHERSBURG, VA. 23060  
Address
2. Plant SUARY POWER STATION Unit TWO  
Name  
P.O. Box 315, SUARY, VA. 23883  
Address
3. Work Performed by VA. POWER Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, SUARY, VA. 23883  
Address
4. Identification of System Charging
5. (a) Applicable Construction Code B31.1 1962 Edition N/A Addenda N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3" Check, Swing Valve	N/A	N/A	N/A	2-CH-258	N/A	Replaced	No
Valve, 3" Check, Swing	Velon Inc.	STK#06081570	N/A	2-CH-258	N/A	Replacement	No
Pipe, 3" sch 160 A312-TP304	N/A	N/A	N/A	2-CH-258	N/A	Replaced	No
Pipe 3" sch 160 A312-TP304	John H. Frisch Korn Jr. Inc.	N/A	N/A	2-CH-258	N/A	Replacement	No

7. Description of Work Cut out existing Valve - Weld in New (Swing Check Valve Model B10-3114B-13MS)
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure NOP psi Test Temp. NT °F

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

## FORM NIS-2 (Back)

9. Remarks

PO# CSY 319667 (8) - PIPE

Applicable Manufacturer's Data Reports to be attached

PO# SSY 130791 (1) - VALVE

CODE CASE N-416 APPLIES

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed



Owner or Owner's Designee, Title

Date

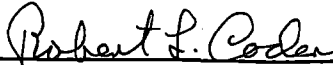
8/31

19 94

## 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&E Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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



Inspector's Signature

Commissions

Va 543

National Board, State, Province, and Endorsements

Date

9-6

19 94

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

1. Owner VIRGINIA ELECTRIC AND POWER CO. Date 1/9/95  
Name  
5000 DOMINION BLVD. GLEN ALLEN, VA. 23060 Address  
Sheet 1 of 1
2. Plant SURRY POWER STATION Unit TWO  
Name  
P.O. Box 315, SURRY, VA. 23883 Address  
WO# 00299527-01, RA# 94-193 Repair Organization P.O. No., Job No., etc.
3. Work Performed by VA. POWER Type Code Symbol Stamp N/A  
Name  
P.O. Box 315, SURRY, VA. 23883 Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System CONTAINMENT SPRAY
5. (a) Applicable Construction Code B31.1 1962 Edition, N/A Addenda, N-1, N-2 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STUDS	N/A	N/A	N/A	2-CS-7	N/A	REPAIRED	NO
NUTS	N/A	N/A	N/A	2-CS-7	N/A	REPLACEMENT	NO
STUDS	CORNEL PROYCO	1413A944864	N/A	2-CS-7	N/A	REPLACEMENT	NO
NUTS	NOVA MACHINE PRODUCTS CORP.	LOT # 329680059	N/A	2-CS-7	N/A	REPLACEMENT	NO

7. Description of Work REPLACE FASTENERS
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks STUDS: POT # CSY 248992, PTE # 54-91-00317 REV. 0  
Applicable Manufacturer's Data Reports to be attached 1/9/95

Notes: POT # CSY 294071

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed D. L. Logan ISI Engineer Date JAN. 9, 19 95  
Owner of Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSB & F Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 1-9 19 95



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

1. Owner Virginia Electric and Power Co.

Date 3/13/95

Name  
5000 Dominion Blvd., Glen Allen, Va. 23060

Sheet 1 of 1

Address

2. Plant Surry Power Station

Unit Two

Name

5570 Hog Island Rd., Surry, Va. 23883

WO#00303005-01, RR#94-196

Address

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

3. Work Performed by Virginia Power

Type Code Symbol Stamp NA

Name

Authorization No. NA

Same as above

Expiration Date NA

Address

4. Identification of System Safety Injection

5. (a) Applicable Construction Code B31.1 1955 Edition, NA Addenda, N-1, N-7 Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Transducer Mount	NA	NA	NA	2-SI-79	NA	Replacement	No

7. Description of Work Weld acoustic mounts to check valve to aid in testing.

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

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

**FORM NIS-2 (Back)**

Purchase Order #SY-043088 (1)

## 9. Remarks

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

**Expiration Date** \_\_\_\_\_ **NA**

Signed W. L. Green  
Owner or Owner's Designee, Title \_\_\_\_\_

Date March 13, 1995

## 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 HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Codes  
Inspector's Signature

Commissions \_\_\_\_\_ Va. 543

National Board, State, Province, and Endorsements

Date 5/21/73 1973

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

1. Owner Virginia Electric and Power Co.  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address

Date 3/13/95

Sheet 1 of 1

2. Plant Surry Power Station  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address

Unit Two

WO#00303005-02, RR#94-197  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power  
Name  
Same as above  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System Safety Injection

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Transducer Mount	NA	NA	NA	2-SI-82	NA	Replacement	No

7. Description of Work Weld acoustic transducer mounts to check valve to aid in testing.

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

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

**FORM NIS-2 (Back)**

Purchase Order #SY-043088 (1)

## 9. Remarks.

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. NA

Expiration Date \_\_\_\_\_ NA

Signed W. L. Logan IST ENGINEER Date MARCH 13, 1985  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21 1995

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

1. Owner Virginia Electric and Power Co. Date 3/13/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Sheet 1 of 1  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Unit Two  
Name  
Same as above  
Address
- WO#00303005-03, RR#94-198  
Repair Organization P.O. No., Job No., etc.
- Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Transducer Mount	NA	NA	NA	2-SI-85	NA	Replacement	No

7. Description of Work Weld acoustic transducer mounts to check valve to aid in testing.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

Purchase Order #SY-043088(1)

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

**Expiration Date** \_\_\_\_\_ **NA**

**Signed**

Owner or Owner's Designee, Title

Date \_\_\_\_\_

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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 HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Corder

**Inspector's Signature**

## Commissions

Va. 543

### National Board, State, Province, and Endorsements

Date \_\_\_\_\_

3-21

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

1. Owner Virginia Electric and Power Co. Date 2/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Trans. Mount	NA	NA	NA	2-SI-128	NA	Replacement	No

7. Description of Work Attach (weld) acoustic transducer mounts. Material accepted on PTR#SU-92-00136, Rev.0.

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

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

(12/82)

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

REPRINT 12/91

**FORM NIS-2 (Back)**

None

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. \_\_\_\_\_ NA

Expiration Date NA

Signed D. L. Logan ISI ENGINEER Date FEB. 20, 19 85  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-1-97 to 5-1-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 2-22 1995



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

1. Owner Virginia Electric and Power Co.  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address

Date 2/19/95

Sheet 1 of 1

2. Plant Surry Power Station  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address

Unit Two

WO#00303005-05, RR#94-200

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

3. Work Performed by Virginia Power  
Name  
Same as above  
Address

Type Code Symbol Stamp NA

Authorization No. NA

Expiration Date NA

4. Identification of System Safety Injection

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 55

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Trans. Mount	NA	NA	NA	2-SI-130	NA	Replacement	No

7. Description of Work Attach (weld) acoustic transducer mounts.  
Material approved for use per PTR# SU-92-00136, Rev. 0

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

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. L. Degen IST Engineer Date FEB. 19, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI AND I Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-1-94 to 5-1-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 2-20 19 95

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

1. Owner Virginia Electric and Power Co. Date 2/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit TWO  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00303005-06, RR#94-201  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Trans. Mount	NA	NA	NA	2-SI-241	NA	Replacement	No

7. Description of Work Attach (weld) acoustic transducer mounts. Material accepted on PTE#SU-92-00136, Rev.0.

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

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

**FORM NIS-2 (Back)**

None

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. \_\_\_\_\_ NA

Expiration Date \_\_\_\_\_ NA

**Signed**

Owner or Owner's Designee, Title

Date \_\_\_\_\_

. 19

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. have inspected the components described in this Owner's Report during the period 5-1-94 to 5-1-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Coden

Inspector's Signature \_\_\_\_\_

## Commissions

Va. 543

National Board, State, Province, and Endorsements

Date \_\_\_\_\_

2-22 1995

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

1. Owner Virginia Electric and Power Co. Date 3/13/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Transducer Mount	NA	NA	NA	2-SI-242	NA	Replacement	No

7. Description of Work Weld acoustic transducer mounts to check valve to aid in testing.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

Purchase Order #SY-043088 (1)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date NA

Signed Robert L. Coder ISI Engineer  
Owner or Owner's Designee, Title

Date March 13, 19 95

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 HSBI and I Co. of Hartford, Ct.

5-10-94 to 5-10-97 have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Robert L. Coder  
Inspector's Signature

Commissions Va. 543

National Board, State, Province, and Endorsements

Date 3-21, 19 95

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

1. Owner Virginia Electric and Power Co. Date 3/13/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit TWO  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Transducer Mount	NA	NA	NA	2-SI-243	NA	Replacement	No

7. Description of Work Weld acoustic transducer mounts to check valve to aid in testing.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

Purchase Order #SY-043088(1)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed R. L. Green IST Engineer Date MARCH 13, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.

5-10-94 to 5-10-97 have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 3-21, 19 95



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

1. Owner Virginia Electric and Power Co. Date 2/19/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit TWO  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1988

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Trans. Mount	NA	NA	NA	2-SI-107	NA	Replacement	No

7. Description of Work Attach (weld) acoustic transducer mounts.  
Material approved for use per PTR# SU-92-00136, Rev. 0
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed D. P. Agnew ISE ENGINEER  
Owner or Owner's Designee, Title

Date FEB. 19, 19 95

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 HSBI AND I CO. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-1-94 to 5-1-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert L. Corbin  
Inspector's Signature

Commissions VA 543

National Board, State, Province, and Endorsements

Date 2-20, 19 95

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

1. Owner Virginia Electric and Power Co. Date 2/19/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above  
Address
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 1955 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1955

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Trans. Mount	NA	NA	NA	2-SI-109	NA	Replacement	No

7. Description of Work Attach (weld) acoustic transducer mounts.  
Material approved for use per PTF# SU-92-00136, Rev. 0
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed W. L. Ague IST Engineer Date FEB. 19, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HS&I AND I Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-1-94 to 5-1-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 2-20, 19 95

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

1. Owner Virginia Electric and Power Co. Date 3/13/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Transducer Mount	NA	NA	NA	2-SI-145	NA	Replacement	No

7. Description of Work Weld acoustic transducer mounts to check valve to aid in testing.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

Purchase Order #SY-043088(1)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date NA

Signed D. L. Boyer ISI Engineer Date 3/13, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.

5-10-94 to 5-10-97 have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21 19 95

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

1. Owner Virginia Electric and Power Co. Date 2/19/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00303005-12, RR#94-207  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 1955 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Acoustic Trans. Mount	NA	NA	NA	2-SI-147	NA	Replacement	No

7. Description of Work Attach (weld) acoustic transducer mounts.  
Material approved for use per PTE# SU-92-00136, Rev.0
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp n/a

Certificate of Authorization No. n/a Expiration Date n/a

Signed W. L. Logan IST ENGINEER Date FEB 19, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSRT AND I Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-1-94 to 5-1-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 2-20, 19 95



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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address  
Sheet 1 of 1
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#002646<sup>6</sup>8-01, RR#95-006  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Nut	Nova Machine Products Corp.	Lot#33361002	NA	12"-SI-202-153	NA	Replacement	No
Bolts	A & G Engin. II, Inc.	Ht.#RN1762	NA	12"-SI-202-153	NA	Replacement	No
Bushing	Hub, Inc.	Ht.#882009	NA	12"-SI-202-153	NA	Replacement	No

7. Description of Work Repair support.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# CSY 345120 (bolts), CSY 362980 (nut), SSS 378622 (bushing)  
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. R. Rogers IST ENGINEER Date MARCH 20, 1995  
Owner or Owner's Designee, Title

# CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21 1995

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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Sheet 1 of 1  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Unit Two  
Name  
Same as above  
Address
- WO#00294429-02, RR#95-012  
Repair Organization P.O. No., Job No., etc.  
Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA
4. Identification of System Steam Generator Blow Down
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Valve	NA	NA	NA	2-BD-3	NA	Replaced	No
2" Valve	Conval	Fig.12G2	NA	2-BD-3	NA	Replacement	No
2" Pipe	Dubose National Energy Serv., Inc	Ht.#454864	NA	2-BD-3	NA	Replacement	No

7. Description of Work Replace valve.
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure NOT psi Test Temp. NOT °F

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

FORM NIS-2 (Back)

9. Remarks

CODE CASE N416-1 APPLIES

Applicable Manufacturer's Data Reports to be attached

PO# S5Y139062 (VALVE)

PO# CNT 487203 (PIPE)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

*Q. L. Brown* ISI ENGINEER

Date

MARCH 20

19 95

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by HSE and I Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*Robert F. Coder*

Inspector's Signature

Commissions

VA-542

National Board, State, Province, and Endorsements

Date

3-21 19 95

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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Sheet 1 of 1  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Unit Two  
Name  
Same as above  
Address
4. Identification of System Steam Generator Blow Down
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89
- WO#00294755-02, RR#95-013  
Repair Organization P.O. No., Job No., etc.
- Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Valve	NA	NA	NA	2-BD-52	NA	Replaced	No
2" Valve	Conval	Fig.12G2	NA	2-BD-52	NA	Replacement	No
2" Pipe	Dubose National Energy Serv., Inc	Ht.#454864	NA	2-BD-52	NA	Replacement	No

7. Description of Work Replace valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure NDP psi Test Temp. NOT °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# SSY 139062 (valve), CNT 487703 (pipe)  
Applicable Manufacturer's Data Reports to be attached

CODE CASE N416-1 APPLIES TO THIS REPLACEMENT

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Hayes ISI ENGINEER Date MARCH 20, 1985  
Owner or Owner's Designee, Title

# CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21 1995

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

1. Owner Virginia Electric and Power Co. Date 3/31/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Sheet 1 of 1  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Unit Two  
Name  
Same as above  
Address  
Chemical and Volume Control
4. Identification of System
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	NA	NA	NA	2-CH-256	NA	Replaced	No
Valve	Edward Valve Co.	Figure # 2"B36174 (F316)	NA	2-CH-256	NA	Replacement	No
Pipe	John H. Frischkorn, Jr.	261648	NA	2-CH-256	NA	Replacement	No
Elbow	John H. Frischkorn, Jr.	It.#6101020 2	NA	2-CH-256	NA	Replacement	No

7. Description of Work Replace valve. Code Case N416-1 applies to this replacement.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure NOT psi Test Temp. NOT °F

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

**FORM NIS-2 (Back)**

PO# CNT 360346 (valve), CSY 251347 (2" pipe), CSY 322273 (2" elbow)

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. NA Expiration Date NA

**Signed**

W. L. Bean ISI ENGINEER  
Owner or Owner's Designee, Title

Date March 31, 1985

## 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 HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

## Commissions

Va. 543

National Board, State, Province, and Endorsements

**Date.**

4-3 19 95

19



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

1. Owner Virginia Electric and Power Co. Date 4/3/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address WO#00287792-02, RR#95-017  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	NA	NA	NA	2-RC-160	NA	Replaced	No
Valve	McJunkin Corp.	7089-1159 K21942	NA	2-RC-160	NA	Replacement	No
Pipe	HUB, Inc.	Ht.#L32024-CE	NA	2-RC-160	NA	Replacement	No
WN Flange	Dubose National Energy Serv., Inc.	Ht.#C4357	NA	2-RC-160	NA	Replacement	No

7. Description of Work Replace valve Code Case N416-1 applies.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure NOT psi Test Temp. NOT °F

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

**FORM NIS-2 (Back)**

9. Remarks PO #CNT-457107 (valve), SSY-355238 (pipe), CNT-480806 WN flange

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. \_\_\_\_\_ NA

Expiration Date NA

Signed W. L. Logan IST Executive Date April 3, 1995  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date. 4-4 19 95

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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-CH-MOV-2286A	NA	Replaced	No
Nuts	NA	NA	NA	2-CH-MOV-2286A	NA	Replaced	No
Studs	Mackson, Inc.	Ht.#M51482	NA	2-CH-MOV-2286A	NA	Replacement	No
Nuts	Mackson, Inc.	Ht.#8097521	NA	2-CH-MOV-2286A	NA	Replacement	No

7. Description of Work Replace body to bonnet fasteners.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# BNT 467650, Rel 24 (studs), CNT 435455 (nuts)  
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. L. Logan IST ENGINEER Date MARCH 20, 19 85  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21-95

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

1. Owner <u>Virginia Electric and Power Co.</u> <div style="text-align: right;">Name</div> <u>5000 Dominion Blvd., Glen Allen, Va. 23060</u> <div style="text-align: right;">Address</div>		Date <u>4/26/95</u> Sheet <u>1</u> of <u>2</u> Unit <u>Two</u>
2. Plant <u>Surry Power Station</u> <div style="text-align: right;">Name</div> <u>5570 Hog Island Rd., Surry, Va. 23883</u> <div style="text-align: right;">Address</div>		WO#00295300-07, RR#95-021 Repair Organization P.O. No., Job No., etc.
3. Work Performed by <u>Virginia Power</u> <div style="text-align: right;">Name</div> <u>Same as above</u> <div style="text-align: right;">Address</div>		Type Code Symbol Stamp <u>NA</u> Authorization No. <u>NA</u> Expiration Date <u>NA</u>
4. Identification of System <u>Main Steam</u>		
5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>55</u> Edition, <u>NA</u> Addenda, <u>N-1, N-7</u> Code Cases (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>89</u>		

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Tube Steel	Consolidated Power Supply	Ht. Code 32582	NA	2-MS-TD-9	NA	Replacement	No
U-Bolt	Grinnell Corp.	Fig. 137N	NA	2-MS-TD-9	NA	Replacement	No
1 1/2" Coupling	Dubose National Energy Serv.	Ht. Code BAX	NA	2-MS-TD-9	NA	Replacement	No
1 1/2" X 3/4" Coupling	Dubose National Energy Serv.	Ht.Code 044D or 036D	NA	2-MS-TD-9	NA	Replacement	No
1 1/2" Tee	Energy & Process Corp.	Ht.# K6R	NA	2-MS-TD-9	NA	Replacement	No

7. **Description of Work** Replace steam trap and associated piping. Design Change DCP-93-064-3. Code Case N416-1 applies.

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

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

**FORM NIS-2 (Back)**

None.

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Rosen I. S. T. ENGINEER Date April 26, 1995  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 5-1 19 95



**FORM NIS-2 (Back)**

PO# SY-387981, CNT-446097, CNT-455210, CNT-477960, CNT-471799,

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

CNT-476228, CNT-463210, CNT-491666, CNT-486968.

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. L. Rogers IST ENGINEER Date April 26, 19 95  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert F. Coder

Inspector's Signature

Commissions

National Board, State, Province, and Endorsements

Date 3-1 19 95



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

<p>1. Owner <u>Virginia Electric and Power Co.</u>  <div style="text-align: center;">Name</div> <u>5000 Dominion Blvd., Glen Allen, Va. 23060</u>  <div style="text-align: center;">Address</div> </p> <p>2. Plant <u>Surry Power Station</u>  <div style="text-align: center;">Name</div> <u>5570 Hog Island Rd., Surry, Va. 23883</u>  <div style="text-align: center;">Address</div> </p> <p>3. Work Performed by <u>Virginia Power</u>  <div style="text-align: center;">Name</div> <u>Same as above</u>  <div style="text-align: center;">Address</div> </p> <p>4. Identification of System <u>Main Steam</u></p> <p>5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>55</u> Edition, <u>NA</u> Addenda, <u>N-1, N-7</u> Code Case          (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>89</u></p>	<p>Date <u>4/24/95</u></p> <p>Sheet <u>1</u> of <u>1</u></p> <p>Unit <u>Two</u></p> <p>WO#00287270-01, RR#95-025</p> <p>Repair Organization P.O. No., Job No., etc.</p> <p>Type Code Symbol Stamp <u>NA</u></p> <p>Authorization No. <u>NA</u></p> <p>Expiration Date <u>NA</u></p>
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6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/8" Capscrews	NA	NA	NA	2-MS-176	NA	Replaced	No
3/8" Capscrews	Mackson, Inc.	Lot# 490061	NA	2-MS-176	NA	Replacement	No

7. Description of Work Replace bonnet capscrews.

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

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

**FORM NIS-2 (Back)**

9. Remarks PO# CNT-456546

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. \_\_\_\_\_ NA

**Expiration Date** \_\_\_\_\_ NA

Signed W. H. Rosen ISI ENGINEER Date April 24, 19 95  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 5-1 19 95

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

<p>1. Owner <u>Virginia Electric and Power Co.</u>  <div style="text-align: center;">Name</div> <u>5000 Dominion Blvd., Glen Allen, Va. 23060</u>  <div style="text-align: center;">Address</div> </p> <p>2. Plant <u>Surry Power Station</u>  <div style="text-align: center;">Name</div> <u>5570 Hog Island Rd., Surry, Va. 23883</u>  <div style="text-align: center;">Address</div> </p> <p>3. Work Performed by <u>Virginia Power</u>  <div style="text-align: center;">Name</div> <u>Same as above</u>  <div style="text-align: center;">Address</div> </p> <p>4. Identification of System <u>Main Steam</u></p> <p>5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>55</u> Edition, <u>NA</u> Addenda, <u>N-1, N-7</u> Code Case          (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>89</u></p>	<p>Date <u>4/24/95</u></p> <p>Sheet <u>1</u> of <u>1</u></p> <p>Unit <u>Two</u></p> <p>WO#00293247-01, RR#95-026</p> <p>Repair Organization P.O. No., Job No., etc.</p> <p>Type Code Symbol Stamp <u>NA</u></p> <p>Authorization No. <u>NA</u></p> <p>Expiration Date <u>NA</u></p>
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6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/8" Capscrews	NA	NA	NA	2-MS-178	NA	Replaced	No
3/8" Capscrews	Mackson, Inc.	Lot# 490061	NA	2-MS-178	NA	Replacement	No

7. Description of Work Replace bonnet capscrews.

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

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

**FORM NIS-2 (Back)**

9. Remarks PO# CNT-456546

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. NA

Expiration Date \_\_\_\_\_ NA

**Signed**

J. G. Logan TSI ENGINEER  
Owner or Owner's Designee, Title

Date \_\_\_\_\_

April 24

19 95

## 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 HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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Robert L. Coder  
Inspector's Signature

## Commissions

Va. 543

### National Board, State, Province, and Endorsements

Date.

5-1

1995

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

1. Owner Virginia Electric and Power Co. Date 3/31/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883 WO#00309986-02, RR#95-028  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Trim assembly	Copes-Vulcan	NA	NA	2-CH-HCV-2311	NA	Replaced	No
Trim assembly	Copes Vulcan	Job# 8711-96323	NA	2-CH-HCV-2311	NA	Replacement	No

7. Description of Work Replace trim assembly.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

PO# SY 139051

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Logan ISE ENGINEER Date MARCH 31, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.

5-10-94 to 5-10-97 have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 4-3 19 95



**FORM NIS-2 (Back)**

PO# NS-163974 (#2 seal house bolts)

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. H. Doyere LSI ENGINEER Date APRIL 5, 19 95  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 4-3 1973



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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	Mackson, Inc.	Ht. Code NAV Ht. #50035	NA	2-RC-160	NA	Replacement	No
Nuts	Mackson, Inc.	Ht. #8865334	NA	2-RC-160	NA	Replacement	No

7. Description of Work Install new flange fasteners in new valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# BNT 467650 (studs and nuts)  
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. R. Logan IST Engineer Date MARCH 20, 19 95  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21 1995

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

1. Owner <u>Virginia Electric and Power Co.</u> Name 5000 Dominion Blvd., Glen Allen, Va. 23060 Address 2. Plant <u>Surry Power Station</u> Name 5570 Hog Island Rd., Surry, Va. 23883 Address 3. Work Performed by <u>Virginia Power</u> Name Same as above Address 4. Identification of System <u>Recirculation Spray</u> 5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>55</u> Edition, <u>NA</u> Addenda, <u>N-1, N-7</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>89</u>	Date <u>4/4/95</u> Sheet <u>1</u> of <u>1</u> Unit <u>Two</u> WO#00293322-01, RR#95-033 Repair Organization P.O. No., Job No., etc. Type Code Symbol Stamp <u>NA</u> Authorization No. <u>NA</u> Expiration Date <u>NA</u>
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6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-RS-11	NA	Replaced	No
Nuts	NA	NA	NA	2-RS-11	NA	Replaced	No
Studs	Mackson, Inc.	Ht. #50035 Ht. Code NAV	NA	2-RS-11	NA	Replacement	No
Nuts	Mackson, Inc.	Ht. #8865334	NA	2-RS-11	NA	Replacement	No

7. Description of Work Replace cover bolting.

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

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

FORM NIS-2 (Back)

PO# BNT-467650 (studs and nuts)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Benge IST Engineer Date April 4, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.

5-10-94 have inspected the components described in this Owner's Report during the period 5-10-97 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-5 19 95

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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit TWO  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-RH-YS-1	NA	Replaced	No
Nuts	NA	NA	NA	2-RH-YS-1	NA	Replaced	No
Studs	Cardinal Ind. Products, Inc.	Ht.#8098719	NA	2-RH-YS-1	NA	Replacement	No
Nuts	A & G Engin. II, Inc.	Ht.#C6X267	NA	2-RH-YS-1	NA	Replacement	No

7. Description of Work Replace fasteners.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# CSY 231327 (nuts), CSY 206074 (studs)

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. H. Asen ISE ENGINEER Date MARCH 20, 19 85  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21 1995

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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Sheet 1 of 1  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Unit TWO  
Name  
Same as above  
Address
- WO#00293330-01, RR#95-036  
Repair Organization P.O. No., Job No., etc.
- Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-SI-56	NA	Replaced	No
Nuts	NA	NA	NA	2-SI-56	NA	Replaced	No
Studs	Allied Nut & Bolt Co.	Ht.#K1159	NA	2-SI-56	NA	Replacement	No
Nuts	Allied Nut & Bolt Co.	Ht.#805094	NA	2-SI-56	NA	Replacement	No

7. Description of Work Replace fasteners.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# SSY 384168

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. L. Dye  
Owner or Owner's Designee, Title

Date MARCH 20, 1985

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspection, \_\_\_\_\_  
 \_\_\_\_\_ Va. 543  
 \_\_\_\_\_  
 Inspector's Signature \_\_\_\_\_ Commissions \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_ National Board, State, Province, and Endorsements

Date 3-21 1995



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

<p>1. Owner <u>Virginia Electric and Power Co.</u>  <div style="text-align: center;">Name</div> <u>5000 Dominion Blvd., Glen Allen, Va. 23060</u>  <div style="text-align: center;">Address</div> </p> <p>2. Plant <u>Surry Power Station</u>  <div style="text-align: center;">Name</div> <u>5570 Hog Island Rd., Surry, Va. 23883</u>  <div style="text-align: center;">Address</div> </p> <p>3. Work Performed by <u>Virginia Power</u>  <div style="text-align: center;">Name</div> <u>Same as above</u>  <div style="text-align: center;">Address</div> </p> <p>4. Identification of System <u>Residual Heat Removal</u></p> <p>5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>55</u> Edition, <u>NA</u> Addenda, <u>N-1, N-7</u> Code Case          (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>89</u></p>	<p>Date <u>4/19/95</u></p> <p>Sheet <u>1</u> of <u>1</u></p> <p>Unit <u>TWO</u></p> <p>WO#00291877-01, RR#95-039</p> <p>Repair Organization P.O. No., Job No., etc.</p> <p>Type Code Symbol Stamp <u>NA</u></p> <p>Authorization No. <u>NA</u></p> <p>Expiration Date <u>NA</u></p>
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6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Plug	Copes-Vulcan	Part# 131448	NA	2-RH-HCV-2142	NA	Replaced	No
Plug	Copes-Vulcan	Part# 131448	NA	2-RH-HCV-2142	NA	Replacement	No

7. Description of Work Replace trim assembly.

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

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

PO# SSY-263936

## 9. Remarks

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

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Logan ISE ENGINEER Date April 19, 1995  
Owner or Owner's Designee, Title

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-19 1995

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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit TWO  
Name  
5570 Hog Island Rd., Surry, Va. 23883 WO#00292623-01, RR#95-040  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Residual heat Removal
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-RH-11	NA	Replaced	No
Nuts	NA	NA	NA	2-RH-11	NA	Replaced	No
Studs	Mackson, Inc.	Ht.#A9183H	NA	2-RH-11	NA	Replacement	No
Nuts	Mackson, Inc.	Tr.#SP65 Ht.#8896151	NA	2-RH-11	NA	Replacement	No

7. Description of Work Replace fasteners.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# CNT 461235 (nuts), CNT 476578 (studs)

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. R. Logan ISI ENGINEER Date MARCH 20, 19 95  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date. 3-21 1995

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

1. Owner Virginia Electric and Power Co. Date 4/18/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address  
Sheet 1 of 1  
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00310786-01, RR#95-043  
Repair Organization P.O. No., Job No., etc.  
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above  
Address  
Authorization No. NA  
Expiration Date NA  
4. Identification of System Main Steam  
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	NA	NA	NA	2-MS-120	NA	Replaced	No
Valve	Anchor/Darling	VGW-60A	NA	2-MS-120	NA	Replacement	No
Pipe	Hub, Inc.	Ht. #N25841-USS	NA	2-MS-120	NA	Replacement	No
Socketlet	Hub, Inc.	Ht. Code 783KNB	NA	2-MS-120	NA	Replacement	No
Elbow	Ind. Distrib. Inc.	37523	NA	2-MS-120	NA	Replacement	No

7. Description of Work Replace valve. Code Case N416-1 applies.

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

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

**FORM NIS-2 (Back)**

PO# CNT-331117, SSY-374812, CSY-382093, CSY-111124

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Logan ISI ENGINEER Date April 18, 1985  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-18 19 95

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

1. Owner Virginia Electric and Power Co. Date 3/27/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-RH-24	NA	Replaced	No
Nuts	NA	NA	NA	2-RH-24	NA	Replaced	No
Studs	Mackson, Inc.	Lot# A37 Ht. #M53417	NA	2-RH-24	NA	Replacement	No
Nuts	Mackson, Inc.	Ht. #15862JF	NA	2-RH-24	NA	Replacement	No

7. Description of Work Replace cover bolting.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# BNT 467650 (studs and nuts)

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. L. Logan ISI ENGINEER Date MARCH 27, 19 95  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the equipment described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-3 1995



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

1. Owner Virginia Electric and Power Co. Date 4/5/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address  
Sheet 1 of 1
2. Plant Surry Power Station Unit TWO  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00292987-04, RR#95-045  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above  
Address  
Authorization No. NA  
Expiration Date NA
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
#2 Bolts	Westinghouse	4936A23H11	NA	2-RC-P-1B	NA	Replaced	No
#2 Bolts	Westinghouse	4936A23H11	NA	2-RC-P-1B	NA	Replacement	No
#1 Bolts	Westinghouse	4934A79H16	NA	2-RC-P-1B	NA	Replaced	No
#1 Bolts	Westinghouse	4934A79H16	NA	2-RC-P-1B	NA	Replacement	No

7. Description of Work Replace #1 and #2 seal house bolts.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

PO# NS-163974 (#2 bolts), PO# SY-16838 (#1 bolts)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed David H. Logue IST Engineer Date April 5, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.

5-10-94 to 5-10-97 have inspected the components described in this Owner's Report during the period. 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-5 19 95

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

1. Owner Virginia Electric and Power Co. Date 3/31/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883 WO#00310619-01, RR#95-046  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
disc	NA	NA	NA	2-MS-182	NA	Replaced	No
Disc	Anchor/Darling	Part# C31207	NA	2-MS-182	NA	Replacement	No

7. Description of Work Replace disc.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

PO# NT 462702

## 9. Remarks

## CERTIFICATE OF COMPLIANCE

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed J. H. Rosen T.S.I. ENGINEER Date MARCH 31, 1995  
Owner or Owner's Designee, Title

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

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

inspection.

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

Date 4-3 1995

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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Secondary Manway bolts	NA	NA	NA	2-RC-E-1C	NA	Replaced	No
Secondary Manway bolts	Westinghouse	RM27413U	NA	2-RC-E-1C	NA	Replacement	No

7. Description of Work Replace secondary manway fasteners.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# SNT 278990

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. H. Ryan ISI ENGINEER Date MARCH 20, 19 95  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-97 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21 1995

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

1. Owner Virginia Electric and Power Co. Date 3/20/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Orifice plate	NA	NA	NA	2-MS-FE-200	NA	Replaced	No
Orifice plate	Energy & Process Corp.	Ht.#2B067	NA	2-MS-FE-200	NA	Replacement	No
Studs	Mackson, Inc.	Ht.#1-4055IV	NA	2-MS-FE-200	NA	Replacement	No
Nuts	Mackson, Inc.	Ht.#8865388	NA	2-MS-FE-200	NA	Replacement	No

7. Description of Work Replace orifice plate and fasteners.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure NA psi Test Temp. NOT °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# CNT459776, CNT468601, BNT467650 (rel. 24)  
 Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed *W. L. Dwyer* ISI Engineer Date MARCH 21, 19 95  
 Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by HSBI and I Co. of  
Hartford, Ct.

\_\_\_\_\_ have inspected the components described  
 in this Owner's Report during the period 5-10-94 to 5-10-97, and state that  
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this  
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-21 19 95



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

1. Owner Virginia Electric and Power Co. Date 4/3/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address  
Sheet 1 of 1
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00312402-02, RR#95-064  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Instrument Air
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	NA	NA	NA	<i>2-1A-864</i> 2-IA-864	NA	Replaced	No
Valve	Powell	Fig. 158B	NA	2-IA-864	NA	Replacement	No
Pipe	NA	SU-92-00055 Rev. 0	NA	2-IA-864	NA	Replacement	NO
Adaptor	John H. Frischkorn, Jr.	194955	NA	2-IA-864	NA	Replacement	NO
Coupling	NA	SCOM-029.A04	NA	2-IA-864	NA	Replacement	NO

7. Description of Work Replace ~~rubber pin~~ VALVE.  
*2-1A-864*
8. Tests Conducted: Hydrostatic Pneumatic ☒ Nominal Operating Pressure ☐  
Other ☐ Pressure 42 psi Test Temp. AMBIENT °F

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

FORM NIS-2 (Back)

9. Remarks PO# CNT-443156, CSY-167592, CNT-467614, CNT-493613

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA

Expiration Date NA

Signed D. L. Rogers ISI Engineer Date April 3, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.

5-10-94 to 5-10-97 have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-4 19 95

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

1. Owner Virginia Electric and Power Co. Date 4/26/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address  
Sheet 1 of 2
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00313102-01, RR#95-066  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above  
Address  
Authorization No. NA  
Expiration Date NA
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1/2" Nut	NA	NA	NA	H-001	NA	Replaced	No
Threaded Rod	NA	NA	NA	H-001	NA	Replaced	No
Weldless Eye Nut	NA	NA	NA	H-001	NA	Replaced	No
1/2" Nut	Mackson, Inc.	Ht. # 8875536	NA	H-001	NA	Replacement	No
Threaded Rod	Mackson, Inc.	Ht. # 520924 Ht. Code JZN	NA	H-001	NA	Replacement	No

7. Description of Work Repair component support. Drawing # 11548-WMKS-RC-1275.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

None.

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. L. Rogers IST Engineer Date April 26, 19 95  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 5-3 1995

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

<p>1. Owner <u>Virginia Electric and Power Co.</u>  <div style="text-align: center;">Name</div> <u>5000 Dominion Blvd., Glen Allen, Va. 23060</u>  <div style="text-align: center;">Address</div></p> <p>2. Plant <u>Surry Power Station</u>  <div style="text-align: center;">Name</div> <u>5570 Hog Island Rd., Surry, Va. 23883</u>  <div style="text-align: center;">Address</div></p> <p>3. Work Performed by <u>Virginia Power</u>  <div style="text-align: center;">Name</div> <u>Same as above</u>  <div style="text-align: center;">Address</div></p> <p>4. Identification of System <u>Chemical and Volume Control</u></p> <p>5. (a) Applicable Construction Code <u>B31.1</u> 19 <u>55</u> Edition, <u>NA</u> Addenda, <u>N-1, N-7</u> Code Case          (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 <u>89</u></p>	<p>Date <u>4/26/95</u></p> <p>Sheet <u>2</u> of <u>2</u></p> <p>Unit <u>Two</u>  <u>WO#00313102-01, RR#95-066</u>  <u>Repair Organization P.O. No., Job No., etc.</u></p> <p>Type Code Symbol Stamp <u>NA</u>          Authorization No. <u>NA</u>          Expiration Date <u>NA</u></p>
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6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Weldless Eye Nut	Grinnell Corp.	NA	NA	H-001	NA	Replacement	No

7. Description of Work Repair component support. Drawing # 11548-WMKS-RC-12Z5.

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

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

PO# BNT-467650, CNT-470626

## 9. Remarks

**Applicable Manufacturer's Data Reports to be attached**

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. L. Hagen IST ENGINEER Date April 26, 19 95  
Owner or Owner's Designee, Title

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct.

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 5-3 1995

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

1. Owner Virginia Electric and Power Co. Date 4/3/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00293314-01, RR#95-075  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-RC-SV-2551A	NA	Replaced	No
Nuts	NA	NA	NA	2-RC-SV-2551A	NA	Replaced	No
Studs	Mackson, Inc.	NA	NA	2-RC-SV-2551A	NA	Replacement	No
Nuts	Mackson, inc.	NA	NA	2-RC-SV-2551A	NA	Replacement	No

7. Description of Work Replace fasteners.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# BNT 467650 (studs and nuts)

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Logan ISI ENGINEER Date April 3, 1995  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-4 19 95



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

1. Owner Virginia Electric and Power Co. Date 4/3/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address  
Sheet 1 of 1
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00293315-01, RR#95-076  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Name  
Same as above Address  
Type Code Symbol Stamp NA  
Authorization No. NA  
Expiration Date NA
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-RC-SV-2551B	NA	Replaced	No
Nuts	NA	NA	NA	2-RC-SV-2551B	NA	Replaced	No
Studs	Mackson, Inc.	NA	NA	2-RC-SV-2551B	NA	Replacement	No
Nuts	Mackson, inc.	NA	NA	2-RC-SV-2551B	NA	Replacement	No

7. Description of Work Replace fasteners.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# BNT 467650 (studs and nuts)

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. H. Jones ISE Engineer Date April 3, 1985  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-4 19 95

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

1. Owner Virginia Electric and Power Co. Date 4/3/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address  
Sheet 1 of 1
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00293316-01, RR#95-077  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-RC-SV-2551C	NA	Replaced	No
Nuts	NA	NA	NA	2-RC-SV-2551C	NA	Replaced	No
Studs	Mackson, Inc.	NA	NA	2-RC-SV-2551C	NA	Replacement	No
Nuts	Mackson, inc.	NA	NA	2-RC-SV-2551C	NA	Replacement	No

7. Description of Work Replace fasteners.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# BNT 467650 (studs and nuts)

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp                      NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. L. Brown ISI ENGINEER Date April 3, 19 95  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

inspection.

Robert L. Cohen Commissions \_\_\_\_\_ Va. 543

Inspector's Signature National Board, State, Province, and Endorsements

Date 4-4 19 95

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

1. Owner Virginia Electric and Power Co. Date 3/31/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Sheet 1 of 1  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00313895-03, RR#95-078  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-CH-MOV-2115B	NA	Replaced	No
Nuts	NA	NA	NA	2-CH-MOV-2115B	NA	Replaced	No
Studs	Mackson, Inc	NA	NA	2-CH-MOV-2115B	NA	Replacement	No
Nuts	Nova Machine Products Corp.	NA	NA	2-CH-MOV-2115B	NA	Replacement	No

7. Description of Work Replace fasteners.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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



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

1. Owner Virginia Electric and Power Co. Date 3/31/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	NA	NA	NA	2-CH-MOV-2115D	NA	Replaced	No
Nuts	NA	NA	NA	2-CH-MOV-2115D	NA	Replaced	No
Studs	Nova Machine Products Corp.	NA	NA	2-CH-MOV-2115D	NA	Replacement	No
Nuts	Nova Machine Products Corp.	NA	NA	2-CH-MOV-2115D	NA	Replacement	No

7. Description of Work Replace fasteners.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

Studs-PO# SSY 426277, Nuts-PO# CNT 449104

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. L. Rosen IST Engineer Date MARCH 31, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct.

5-10-94 to 5-10-97 have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 4-3 19 95



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

1. Owner Virginia Electric and Power Co. Date 4/3/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#0029563-02, RR#95-083  
29563  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pin	NA	NA	NA	2-MS-HSS-35B	NA	Replaced	No
Pin	Nova Machine Products Corp.	Ht.# 64477	NA	2-MS-HSS-35B	NA	Replacement	No

7. Description of Work Replace snubber pin.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# CSY-109285

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. \_\_\_\_\_ NA

Expiration Date \_\_\_\_\_ NA

Signed W. E. Rogers 13  
Owner or Owner's Designee, Title

Date April 1, 1985

## 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 HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

inspection.

Robert L. Cohen

Inspector's Signature

## Commissions

**Va. 543**

National Board, State, Province, and Endorsements

Date. 4-4 19 93

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

1. Owner Virginia Electric and Power Co. Date 4/3/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00298077-03, RR#95-084  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pin	NA	NA	NA	2-MS-HSS-29	NA	Replaced	No
Pin	Dubose National Energy Serv., Inc.	Ht.# 90549	NA	2-MS-HSS-29	NA	Replacement	No

7. Description of Work Replace snubber pin.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# CNT-455681

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp                      NA

Certificate of Authorization No. \_\_\_\_\_ NA

**Expiration Date** \_\_\_\_\_ **NA**

Signed J. L. Logan ISE Engineer Date April 3, 1955  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 4-4-95 19 95

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

1. Owner Virginia Electric and Power Co. Date 4/3/95  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address
2. Plant Surry Power Station Unit Two  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00294598-01, RR#95-085  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1, N-7 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pin	NA	NA	NA	2-SI-HSS-26	NA	Replaced	No
Pin	Dubose National Energy Serv., Inc.	Ht.# 90549	NA	2-SI-HSS-26	NA	Replacement	No

7. Description of Work Replace snubber pin.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

**FORM NIS-2 (Back)**

9. Remarks PO# CNT-455681

**Applicable Manufacturer's Data Reports to be attached**

## CERTIFICATE OF COMPLIANCE

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

Type-Code Symbol Stamp\_\_\_\_\_NA

Certificate of Authorization No. \_\_\_\_\_ NA

Expiration Date \_\_\_\_\_ NA

Signed W. H. Logan IST Engineer Date April 4, 1995  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described

Hartford, Ct. \_\_\_\_\_ have inspected the components described in this Owner's Report during the period 5-10-94 to 5-10-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 4-4 19 95

**ATTACHMENT 3**

**SURRY POWER STATION UNIT 2**  
**ISI INSPECTIONS**

**EVALUATIONS AND CORRECTIVE ACTION**



**VIRGINIA POWER**

POW 14

**ENGINEERING TRANSMITTAL**  
Serial Number: 95-168  
Page 122 of 127

STD-GN-0041

**TO: Mr. D.L. Rogers**

ISI Engineering

**FROM: A.R. Fletcher**

Supv. - Civil Design Engineering

March 16, 1995

QA Cat - SR

**ET NO. S-95-0143, REV.0**  
**EVALUATION OF ISI SUPPORT DISCREPANCIES**  
**SURRY POWER STATION, UNIT 2**

**Source Document:** Memorandum from D. Rogers dated February 20 and February 27, 1995

**References:** Deviations S-95-0550 and S-95-0605

The purpose of this Engineering Transmittal is to document the Engineering evaluations of the two spring hanger discrepancies which were referred to Design Engineering by your memorandum of February 20, 1995 (Station Deviation S-95-0550) and your memorandum of February 27, 1995 (Station Deviation S-95-0605). The required corrective actions for these supports have been discussed with you previously, and the specified corrective actions have been previously implemented under Work Orders 00313102-01 and 00313507-01, respectively. The evaluations for these discrepancies are discussed below.

**Support H-001 on 11548-WMKS-RC-12Z5 (Deviation S-95-0550)**

This spring can was found to have a bent rod. The spring was carrying a load of 175 pounds. Comparison of the as-found load to the design cold load for the spring hanger (186 pounds) indicated that the support spring load was within the  $\pm 10\%$  acceptance criteria. Therefore, it was concluded that the spring hanger was operable in the as-found condition. The bent rod was replaced under Work Order 00313102-01. It is our understanding that the scope of inspections was expanded for this discrepancy.



Support H-004 on 11548-WMKS-CC-48Z (Deviation S-95-0605)

This spring can was found to be topped-out. As a result, the spring was carrying less than 450 pounds vs. the design cold load of 550 pounds. The initial evaluation was that the spring, even though topped-out, remained functional and operable. The basis for the initial functional/operability determination was the fact that the spring can is on a riser directly above an anchor, and because there is minimal thermal growth of the Component Cooling lines. This condition has been formally evaluated in Calculation DEO-0222 (currently in review) which confirms that the spring hanger was operable in the as-found condition. The spring can was reset to 550 pounds (+30 pounds/ -0 pounds) under Work Order 00313507-01. It is our understanding that the scope of the inspections was expanded as a result of this discrepancy.

In addition to these deviations, it is our understanding that the as-found load on spring hanger H-001 on 11548-WMKS-CC-37Z (485 pounds) is one pound below the  $\pm 10\%$  acceptance criteria for the design cold load (540 pounds  $\pm 10\%$ ). Design Engineering considers this one pound difference to be of no consequence and therefore considers the spring can as acceptable as is.

This completes the Design Engineering evaluations of those support discrepancies which have been referred to us.


This Engineering Transmittal is considered to represent formal documentation of the evaluations of support discrepancies in compliance with previous commitments and, therefore, no Field Change will be issued to DCP 93-048 "MI Piping and Tubing Support Evaluations/Modifications."

If you have any questions or require further information, please contact me.

Prepared By:

  
M.S. Whitt

Reviewed By:

  
L.J. Cullivan, Jr.

Approved By:

  
A.R. Fletcher

pc: T.B. Sowers  
A.R. Fletcher  
T.R. Huber  
Design Control (Original)  
DEO File

The "CC" system supports referenced above on this sheet are Code Class 3 and are not included in this report.



VIRGINIA POWER

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Serial Number: 95-168  
Docket Number: 50-281  
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STD-GN-0001

POW 11

TC 6/28/94

1. Design Change Title/Station/Unit MI PIPING AND TUBING SUPPORT EVALUATIONS/MODIFICATIONS/SURRY/1&2		2. DCP No. 93-048	
3. Revision Number 12	4. SNSOC Reviewed the DCP? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Revised ER&D and/or Safety Evaluation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Preparing Engineer/Affiliation (Print) B. S. Rekhi/Va. Power	7. Signature <i>B. S. Rekhi</i>	8. Date 6-23-94	
9. Mechanical Reviewer/Affiliation (Print) L S Gordon/Va. Power	10. Signature <i>L S Gordon</i>	11. Date 27 June 94	
12. Electrical Reviewer/Affiliation (Print) N/A m	13. Signature	14. Date	
15. Civil Reviewer/Affiliation (Print) L. J. Cullivan, Jr./Va. Power	16. Signature <i>L J Cullivan Jr.</i>	17. Date 6-27-94	
18. Other Discipline Reviewer/Affiliation (Print) D. L. Rogers/Va. Power	19. Signature <i>D L Rogers</i>	20. Date 6/27/94	
21. Project Engineer or Supervisor (Print) M. S. Whitt/Supv. Civil Design	22. Signature <i>M S Whitt</i>	23. Date 6/27/94	
24. Design Control Engineer (Print) R. E. Tolbert/Va. Power	25. Signature <i>R E Tolbert</i>	26. Date 6/27/94	
27. SNSOC Chairman (Print) T. Sowers for ENG 94-111	28. Signature <i>T Sowers</i>	29. Date 6/28/94	

30. Field Changes:

## 1.0 REASON FOR CHANGE

- 1.1 During the current 1994 Unit 2 steam generator cleaning outage, ISI support inspections identified two supports with discrepancies requiring evaluation by Design Engineering. The two supports were identified in the memorandum of June 9 (Attachment 12A to this DCP) and are shown on the following PSSK support drawings:

11548-PSSK-125A1.6  
11548-PSSK-CH-8.8A

This field change has been prepared to document the evaluations of these support discrepancies. This field change does not represent a scope increase to this DCP because all work described in this field change has already been performed under separate Work Orders.

1. Design Change Title/Station/Unit <b>MI PIPING AND TUBING SUPPORT EVALUATIONS/MODIFICATIONS/SURRY/1&amp;2</b>	2. DCP No. <b>93-048</b>
30. Field Change (Continued)	

## 2.0 DESCRIPTION OF CHANGE

### 2.1 Support 11548-PSSK-125A1.6 (Station Deviation S-94-1221)

The ISI inspection of support 125A1.6 on pressurizer spray line 4"-RC-315-1502 identified the discrepancy that the nuts on the four bolts of the intermediate plates (not the baseplate on the concrete floor) were very loose. Follow-up examination by Civil Design Engineering identified that the full penetration weld shown on the support PSSK drawing between the two intermediate plates was also missing. The support was declared inoperable for its design function as an anchor restraining movement in all six degrees of freedom (three coordinate directions and rotations about those coordinate directions) and Station Deviation S-94-1221 was written. The support was still providing deadweight (vertical) support and some restraint in the axial and lateral directions of the pipe. Because the unit was at cold shutdown when the deviation was discovered there was no immediate system operability concern. The ISI inspection scope was expanded as a result of this deficiency.

As initial corrective action, the existing bolts were torqued prior to beginning any refilling of the pressurizer. In addition, the weld of the pad to the pipe (which was inadvertently not indicated on the PSSK support drawing) was confirmed to exist by Engineering. Discussions with corporate Engineering Mechanics determined that the Ebasco calculation had conservatively concluded that the four bolts were inadequate and had issued a Field Change to DCP 79-056 to make a full-penetration weld between the two intermediate plates. However, although the field change was signed off, this weld had not been made. Because the Ebasco calculation had indicated that the A307 bolts were "no good", the calculation was reviewed by Corporate Engineering Mechanics and it was determined that the allowable load for the A307 bolts had been reduced based on an extremely conservative temperature. Using a more reasonable value for maximum temperature for the bolts, the A307 bolts were found to be acceptable. While corporate Engineering Mechanics was able to demonstrate that the weld between the plates was not required even without high strength bolts, the existing bolts were replaced with A193 Grade B7 bolts under Work Order 00291611-01. Double nuts were put on the bolts (except for one where it could not be fit) to prevent a recurrence of the loose nuts. Therefore, current operability of the support as designed as an anchor has been fully restored.



VIRGINIA POWER

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FIELD CHANGE (SUPPLEMENT)

Serial Number: 95-168  
Docket Number: 50-281  
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PCW 11

1. Design Change Title/Station/Unit

2. DCP No.

MI PIPING AND TUBING SUPPORT EVALUATIONS/MODIFICATIONS/SURRY/1&amp;2

93-048

30. Field Change (Continued)

In addition to specifying corrective action, Engineering was tasked with determining current and past operability of the system, determining applicability to Unit 1, and determining the cause of the deviating condition. These concerns are addressed in the Engineering response to the deviation, which is provided as Attachment 12-B to this DCP. The piping system was concluded to have been operable even with the support inoperable as an anchor. The support configuration is not applicable to Unit 1, and the error of indicating the weld between the two plates was made during the 79-14 effort.

The support drawing for the support (11548-PSSK-125A1.6) will be revised to delete the weld which was not made and to indicate the bolts are A193 Grade B7; in addition, the weld of the integral attachment pad to the pipe will be shown as verified.

## 2.2 Support 11548-PSSK-CH-8.8A

A baseplate of the pipe support shown on support drawing 11548-PSSK-CH-8.8A (line 3"-CH-301-1502) was identified as being off the concrete wall with a gap of approximately 1/4" behind the baseplate. The baseplate was inspected by Civil Design Engineering and the reported condition of the baseplate was confirmed. A Work Request was submitted to retorque the anchor bolts to verify that they were properly set and were not pulling out. A review of the support and baseplate calculations was made. It was determined that the support calculation had conservatively treated the support essentially as two individual supports -- one part for support 8A of line 3"-CH-301-1502 which is supported off of this baseplate, and the other part for support 9A of the same line supported off the other base plate on the referenced support drawing. Treating them as separate supports conservatively ignores the bracing and load transfer between the two parts. Even with the conservative assumptions of the calculation, the loads on the anchor bolts were low. The calculation for the baseplate in question assumed a 30% increase in bolt tension to account for prying action. The maximum load on the anchor bolts was calculated to be less than 25% of the allowable anchor bolt load. If the tension load had been doubled instead of increased by 30% for prying, the anchor bolts would still be loaded to only about 35% of the allowable (which incorporates a factor of safety of four). Therefore, it was concluded that unless the anchor bolts had actually pulled out, that there would be sufficient margin to accommodate any gaps behind the baseplate.



VIRGINIA POWER

Controlled Work Order CHANGE (SUPPLEMENT)

Serial Number: 95-168  
Docket Number: 50-281  
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POW 11

1. Design Change Title/Station/Unit

MI PIPING AND TUBING SUPPORT EVALUATIONS/MODIFICATIONS/SURRY/1&2

2. DCP No.

93-048

30. Field Change (Continued)

The anchor bolts were retorqued to 140 foot-pounds under Work Order 00291615-01, verifying acceptable installation of the anchor bolts; because of the unevenness of the concrete wall some gaps from 1/16 to 1/8 inch still exist, confirming that the gaps were an original installation problem. It is concluded that because of the low loads, the anchor bolts and baseplate are acceptable as is. Therefore, the support is considered to be, and to have been, operable in the condition identified. However, for conservatism, the ISI inspection sample was increased as a result of this maintenance retorquing activity.

The support drawing for the support (11548-PSSK-CH-8.8A) will be revised to indicate that the gaps behind the baseplate exist and are acceptable.

### 3.0 ACTUAL CHANGES TO DCP SECTIONS

- 3.1 Records Management shall incorporate this Field Change and Attachments 12A and 12B into DCP 93-048 to document these support evaluations.