

**Attachment 1**

**Surry Power Station Unit 1**

**Inservice Inspections**

**Abstract of Examinations**

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

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, VA 23060  
 (Name and Address of Owner)
2. Plant Surry Power Station, 5570 Hog Island Rd., Surry, VA 23883  
 (Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) NA
5. Commercial Service Date 12/22/72 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	137-1	VA 58201	NA
Steam Generator 1-RCE-1B	Westinghouse Tampa Division	2982	VA 58204	682
RHR Heat Ex 1-RHE-1B	Atlas Industrial Manufacturing Company	891	VA 58211	741
Class 1 & 2 Piping	Southwest Fabricating Company	NA	NA	NA
Class 1 & 2 Component Supports	Southwest Fabricating 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.

9902180302 990204  
 PDR ADDCK 05000280  
 Q PDR

FORM NIS-1 (Back)

8. Examination Dates 4/27/97 to 11/16/98
9. Inspection Period Identification Second Period (10-14-96 - 10-14-00)
10. Inspection Interval Identification Third Interval (10-14-93 - 10-14-03)
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan February 5, 1997, Revision 7
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.  
See Attachment 1. Pages 1 through XX of abstract of examinations performed  
See Attachment 1. Pages 1 through X of abstract of system pressure tests
14. Abstract of Results of Examinations and Tests.  
See Attachment 1. (Examination Summary, Pages 1-X)
15. Abstract of Corrective Measures.  
See Attachment 1. (Examination Summary, Pages X and X)

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) NA Expiration Date NA

Date January 27 19 99 Signed Virginia Elect. & Power Co. By E. Strock  
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 S.B.I. & I. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/27/97 to 11/16/98, 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.

A. Smith Commissions NB 7933, VA 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/29 19 99

**Examination Summary**  
**Virginia Electric and Power Company**  
**Surry Power Station**

**Unit 1**

**1998 Refueling Outage**  
**3rd Interval, 1st and 2nd Periods**

**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 1 from April 26, 1997 through November 16, 1998. The examinations were conducted to meet the requirements of 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.A. Smith), 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 ASME Section XI of the 1989 Code could be applied. Consequently, some examinations are limited or not practical due to geometric configuration or accessibility. Generally, these limitations exist at fitting to fitting joints, such as elbow to tee, elbow to valve, reducer to valve, and where integrally welded attachments, lugs and supports preclude access to some part of the examination area. These limitations sometimes preclude ultrasonic coupling or access for the required scan length or surface examination.

**Examinations**

Examinations were conducted to review as much of the examination zones as was practical within geometric, metallurgical and physical limitations. When 100% of the required ultrasonic examination volume could not be examined, the examination method was evaluated and alternate beam angles or volumetric techniques were considered in an attempt to achieve the maximum

examination volume. In the case of surface examinations where full coverage could not be achieved, alternative methods were considered and employed when possible to achieve maximum allowable coverage. When alternative methods would not increase the examination coverage, an alternate component was considered for examination. However, where 100% examination was not possible the examination was considered a partial and so noted on the examination report. When the reduction in coverage was 10% or greater, per Code Case N-460, a subsequent relief request will be provided by separate correspondence. Examinations that do not receive the required examination coverage will be identified by a 'P' in the remarks column of the examination abstract.

### **Results**

During the current time frame of examinations, for all examinations of components, piping and component supports, no reportable conditions were identified.

### **Analytical Evaluation**

No analytical evaluation of examinations was required.

### **Evaluation Analyses**

None required or performed.

### **Statement of Interval Status**

Virginia Electric and Power Company have completed 76 percent of the Second Period examinations and 56 percent of the 3<sup>rd</sup> interval examinations.

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

Drawing Number	Mark No.	Line No.	Sect XI Class	Sect XI Category	Sect XI Item	Exam Method	Exam Date	Remarks
11448-WMKS-0100A1Z	FLANGE A	1½"-CH-97-1502	1	B-G-2	B7.50	VT-1	11/5/98	
11448-WMKS-0100A4Z	1-RC-H012	2"-RC-53-1502	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0100A5Z	1-RC-H002	2"-RC-53-1502	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0100A5Z	1-RC-H008	2"-RC-53-1502	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0100A5Z	1-RC-H010	2"-RC-53-1502	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0100A7Z	1-CH-H006	2"-CH-8-1503	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0100A7Z	1-CH-H010	2"-CH-8-1503	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0100A7Z	1-CH-H014	2"-CH-8-1503	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0100A7Z	1-CH-H018	2"-CH-8-1503	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0100D1	H004-1	30"-SHP-1-601	2	C-C	C3.20	MT	11/4/98	
11448-WMKS-0100G1	1-WFPD-H010A	14"-WFPD-17-601	2	F-A	F1.20	VT-3	10/24/98	
11448-WMKS-0101A1Z	1-01	1½"-CH-95-1502	1	B-J	B9.40	PT	10/22/98	
11448-WMKS-0101A1Z	1-04	1½"-CH-95-1502	1	B-J	B9.40	PT	10/23/98	
11448-WMKS-0101A2Z	1-RC-H002	2"-RC-56-1502	1	F-A	F1.10	VT-3	10/22/98	
11448-WMKS-0101A2Z	1-RC-HCV-1557B	2"-RC-56-1502	1	B-G-2	B7.70	VT-1	10/22/98	A
11448-WMKS-0101A3Z	1-CH-HCV-1556B	2"-CH-9-1502	1	B-G-2	B7.70	VT-1	10/22/98	A
11448-WMKS-0101AZ-1	1-05DM	29"-RC-4-2501R	1	B-F	B5.70	UT/PT	10/22/98	P
11448-WMKS-0101AZ-1	1-06DM	31"-RC-5-2501R	1	B-F	B5.70	UT/PT	10/22/98	P
11448-WMKS-0101G1	H005-1A	14"-WFPD-13-601	2	C-C	C3.20	MT	10/29/98	
11448-WMKS-0101G1	H005-2A	14"-WFPD-13-601	2	C-C	C3.20	MT	10/29/98	
11448-WMKS-0102A2Z	1-RC-H006	2"-RC-59-1502	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0102D1	H002-1	30"-SHP-3-601	2	C-C	C3.20	MT/PT	11/6/98	P
11448-WMKS-0102G1	H005-1A	14"-WFPD-9-601	2	C-C	C3.20	MT	11/4/98	
11448-WMKS-0102G1	H005-2A	14"-WFPD-9-601	2	C-C	C3.20	MT	11/4/98	
11448-WMKS-0103A2-1	1-SHP-H050	4"-SHP-37-601	2	F-A	F1.40	VT-3	2/27/98	
11448-WMKS-0103A2-2	1-SHP-H058	4"-SHP-38-601	2	F-A	F1.40	VT-3	2/27/98	
11448-WMKS-0103A2-3	1-SHP-H054	4"-SHP-39-601	2	F-A	F1.40	VT-3	2/27/98	
11448-WMKS-0122A2	1-SI-H031A	12"-SI-47-1502	1	F-A	F1.10	VT-3	10/20/98	A
11448-WMKS-0122A2	1-SI-H031B	12"-SI-47-1502	1	F-A	F1.10	VT-3	10/20/98	A
11448-WMKS-0122A2	1-SI-H032A	12"-SI-47-1502	1	F-A	F1.10	VT-3	10/20/98	A
11448-WMKS-0122A2	1-SI-H032B	12"-SI-47-1502	1	F-A	F1.10	VT-3	10/20/98	A
11448-WMKS-0122A2	1-SI-H033B	12"-SI-47-1502	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0122D1	1-SI-H004A	12"-SI-46-1502	1	F-A	F1.10	VT-3	10/20/98	A

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

Drawing Number	Mark No.	Line No.	Sect XI Class	Sect XI Category	Sect XI Item	Exam Method	Exam Date	Remarks
11448-WMKS-0122D1	1-SI-H004B	12"-SI-46-1502	1	F-A	F1.10	VT-3	10/20/98	A
11448-WMKS-0122D1	1-SI-H006B	12"-SI-46-1502	1	F-A	F1.10	VT-3	10/20/98	
11448-WMKS-0122K1	1-SI-88	6"-RC-18-1502	1	B-G-2	B7.70	VT-1	10/22/98	
11448-WMKS-0122K1	1-SI-H002	6"-SI-48-1502	2	F-A	F1.20	VT-3	10/22/98	
11448-WMKS-0122K1BZ	1-SI-H003	2"-SI-81-1502	2	F-A	F1.20	VT-3	10/20/98	
11448-WMKS-0122L1	1-SI-H005A	12"-SI-45-1502	1	F-A	F1.10	VT-3	10/20/98	A
11448-WMKS-0122L1	1-SI-H005B	12"-SI-45-1502	1	F-A	F1.10	VT-3	10/20/98	A
11448-WMKS-1101A3	0-03	12"-CS-1-153	2	C-F-1	C5.11	UT/PT	10/24/98	P
11448-WMKS-1106A4	1-16	3"-SI-70-1503	2	C-F-1	C5.21	UT/PT	10/23/98	
11448-WMKS-1106A4	2-40	2"-SI-76-1503	2	C-F-1	C5.30	PT	10/28/98	
11448-WMKS-1106A4Z	1-SI-H015	2"-SI-74-1502	2	F-A	F1.20	VT-3	10/20/98	
11448-WMKS-1106A4Z	1-SI-H016	2"-SI-74-1502	2	F-A	F1.20	VT-3	10/20/98	
11448-WMKS-RC-E-1B.1	CL MANWAY	1-RC-E-1B	1	B-G-2	B7.30	VT-1	10/22/98	
11448-WMKS-RC-E-1B.1	HL MANWAY	1-RC-E-1B	1	B-G-2	B7.30	VT-1	10/22/98	
11448-WMKS-RC-E-1B.1	TUBES	1-RC-E-1B	1	B-Q	B16.20	ET	11/12/98	
11448-WMKS-RC-E-1B.2	1-RC-1-02ANIR	1-RC-E-1B	1	B-D	B3.140	VT-1	11/5/98	
11448-WMKS-RC-E-1B.2	1-RC-1-02BNIR	1-RC-E-1B	1	B-D	B3.140	VT-1	11/5/98	
11448-WMKS-RC-R-1.3	S-41	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-42	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-43	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-44	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-45	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-46	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-47	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/30/98	
11448-WMKS-RC-R-1.3	S-48	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-49	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-50	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-51	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/30/98	
11448-WMKS-RC-R-1.3	S-52	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/30/98	
11448-WMKS-RC-R-1.3	S-53	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-54	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/30/98	
11448-WMKS-RC-R-1.3	S-55	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.3	S-56	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	

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

Drawing Number	Mark No.	Line No.	Sect XI Class	Sect XI Category	Sect XI Item	Exam Method	Exam Date	Remarks
11448-WMKS-RC-R-1.3	S-57	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/29/98	
11448-WMKS-RC-R-1.3	S-58	1-RC-R-1	1	B-G-1	B6.30	MT/UT	10/31/98	
11448-WMKS-RC-R-1.4	CCW-41	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CCW-42	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CCW-43	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CCW-44	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CCW-45	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CCW-46	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CCW-47	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-48	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-49	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-50	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-51	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-52	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-53	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-54	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-55	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-56	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-57	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CCW-58	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-41	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CVW-42	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CVW-43	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CVW-44	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CVW-45	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CVW-46	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	CVW-47	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-48	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-49	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-50	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-51	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-52	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-53	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	



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

Drawing Number	Mark No.	Line No.	Sect XI Class	Sect XI Category	Sect XI Item	Exam Method	Exam Date	Remarks
11448-WMKS-RC-R-1.4	CVW-54	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-55	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-56	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-57	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	CVW-58	1-RC-R-1	1	B-G-1	B6.50	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-41	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	N-42	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	N-43	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	N-44	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	N-45	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	N-46	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/31/98	
11448-WMKS-RC-R-1.4	N-47	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-48	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-49	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-50	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-51	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-52	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-53	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-54	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-55	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-56	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-57	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RC-R-1.4	N-58	1-RC-R-1	1	B-G-1	B6.10	VT-1	10/29/98	
11448-WMKS-RH-E-1B	1-B01	1-RH-E-1B	2	C-A	C1.20	UT	10/24/98	44"-88"
11448-WMKS-RH-E-1B	1-B02	1-RH-E-1B	2	C-A	C1.10	UT	10/24/98	44"-88"
11448-WMKS-RH-E-1B	1-B03	1-RH-E-1B	2	C-B	C2.33	VT-2	10/23/98	
11448-WMKS-RH-E-1B	1-B04	1-RH-E-1B	2	C-B	C2.33	VT-2	10/23/98	
11448-WMKS-RH-E-1B	1-B06	1-RH-E-1B	2	C-B	C2.31	PT	10/23/98	

**Remarks Codes:**

- A: Re-examination of a component that required corrective measures during a previous outage.
- P: Partial examination, (reduction in coverage is greater than 10% as allowed by Code Case N-460) relief will be requested by separate correspondence.
- 4: Portion of weld scheduled for examination in relation to '0' datum point.

**Abstract of Examinations Performed  
System Pressure Test Program**

<b>Zone</b>	<b>Description</b>	<b>Section XI Class</b>	<b>Section XI Category</b>	<b>Section XI Item</b>	<b>Date</b>
1-SPM-082B-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-082B-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-082B-2-2	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-082B-2-2	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-082B-2-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-082B-2-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-082B-2-4	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-082B-2-4	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-082B-2-7	RHR DISCHARGE PIPING TO RHR HX AND HX BYPASS	2	C-H	C7.70	10/26/98
1-SPM-082B-2-7	RHR DISCHARGE PIPING TO RHR HX AND HX BYPASS	2	C-H	C7.30	10/26/98
1-SPM-082B-2-8	RCS HOT LEG SAMPLE PENETRATION #56	2	C-H	C7.30	10/19/98
1-SPM-082B-2-8	RCS HOT LEG SAMPLE PENETRATION #56	2	C-H	C7.70	10/19/98
1-SPM-082B-2-9	RCS COLD LEG SAMPLE PENETRATION #56	2	C-H	C7.30	11/18/98
1-SPM-082B-2-9	RCS COLD LEG SAMPLE PENETRATION #56	2	C-H	C7.70	11/18/98
1-SPM-083B-3-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.30	11/18/98
1-SPM-086A-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.60	11/18/98

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1-SPM-086A-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-1-2	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-1-2	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-1-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-1-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-1-4	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-1-4	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-1-5	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-1-5	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.30	11/18/98
1-SPM-086A-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.60	11/18/98
1-SPM-086A-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-2-2	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-2-2	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-2-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-2-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-2-4	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-2-4	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-2-5	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-2-5	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98

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Zone	Description	Section XI Class	Section XI Category	Section XI Item	Date
1-SPM-086A-3-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-3-1	REACTOR COOLANT SYSTEM	1	B-P	B15.60	11/18/98
1-SPM-086A-3-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-3-1	REACTOR COOLANT SYSTEM	1	B-P	B15.10	11/18/98
1-SPM-086A-3-1	REACTOR COOLANT SYSTEM	1	B-P	B15.30	11/18/98
1-SPM-086A-3-2	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-3-2	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-3-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-3-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-3-4	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-3-4	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-3-5	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086A-3-5	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-3-6	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086A-3-6	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086B-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086B-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086B-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.20	11/18/98
1-SPM-086B-1-2	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086B-1-2	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086B-1-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98

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1-SPM-086B-1-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086B-1-4	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086B-1-4	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086B-1-5	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086B-1-5	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086C-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086C-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086C-1-2	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086C-1-2	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-086C-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-086C-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-087A-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-087A-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-087A-1-2	RHR DISCHARGE PIPING TO RHR HX AND HX BYPASS	2	C-H	C7.30	10/26/98
1-SPM-087A-1-2	RHR DISCHARGE PIPING TO RHR HX AND HX BYPASS	2	C-H	C7.70	10/26/98
1-SPM-087A-1-3	1-RH-P-1A	2	C-H	C7.70	10/30/98
1-SPM-087A-1-3	1-RH-P-1A	2	C-H	C7.50	10/30/98
1-SPM-087A-1-3	1-RH-P-1A	2	C-H	C7.30	10/30/98
1-SPM-087A-1-4	1-RH-P-1B	2	C-H	C7.70	10/26/98
1-SPM-087A-1-4	1-RH-P-1B	2	C-H	C7.30	10/26/98

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Zone	Description	Section XI Class	Section XI Category	Section XI Item	Date
1-SPM-087A-1-4	1-RH-P-1B	2	C-H	C7.50	10/26/98
1-SPM-087A-1-5	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-087A-1-5	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-087A-2-1	RHR DISCHARGE PIPING TO RHR HX AND HX BYPASS	2	C-H	C7.30	10/26/98
1-SPM-087A-2-1	RHR DISCHARGE PIPING TO RHR HX AND HX BYPASS	2	C-H	C7.70	10/26/98
1-SPM-087A-2-1	RHR DISCHARGE PIPING TO RHR HX AND HX BYPASS	2	C-H	C7.10	10/26/98
1-SPM-087A-2-2	RHR TO RWST PIPING	2	C-H	C7.70	10/30/98
1-SPM-087A-2-2	RHR TO RWST PIPING	2	C-H	C7.30	10/30/98
1-SPM-087A-2-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-087A-2-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-087A-2-4	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-087A-2-4	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-088A-3-2	BORATE FOR END OF CORE LIFE	2	C-H	C7.70	9/28/98
1-SPM-088A-3-2	BORATE FOR END OF CORE LIFE	2	C-H	C7.30	9/28/98
1-SPM-088C-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-088C-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-088C-1-2	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-088C-1-2	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-088C-1-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98

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Zone	Description	Section XI Class	Section XI Category	Section XI Item	Date
1-SPM-088C-1-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-088C-1-6	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-088C-1-6	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-088C-2-8	REACTOR COOLANT SYSTEM	1	B-P	B15.60	11/18/98
1-SPM-088C-2-8	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-088C-2-8	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-089A-2-5	LOW HEAD SAFETY INJECTION DISCHARGE PIPING TO MOV-1890C	2	C-H	C7.30	11/10/98
1-SPM-089A-2-5	LOW HEAD SAFETY INJECTION DISCHARGE PIPING TO MOV-1890C	2	C-H	C7.70	11/10/98
1-SPM-089B-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-089B-1-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-089B-1-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-089B-1-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-089B-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-089B-2-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-089B-2-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-089B-2-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-089B-3-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98
1-SPM-089B-3-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-089B-3-3	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-089B-3-3	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98

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Zone	Description	Section XI Class	Section XI Category	Section XI Item	Date
1-SPM-089B-4-1	REACTOR COOLANT SYSTEM	1	B-P	B15.70	11/18/98
1-SPM-089B-4-1	REACTOR COOLANT SYSTEM	1	B-P	B15.50	11/18/98

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**Abstract of Examinations**  
**Snubber Program**

During the Unit 1 Refueling Outage in October 1998, there were 20 snubbers selected for functional testing including 13 hydraulic snubbers, 6 mechanical snubbers and 1 large bore snubber. In addition, 14 hydraulic snubbers were selected for seal replacement. All snubbers that were selected for functional testing or seal replacement were functional tested and no failure was found.

Visual inspection was not required due to the extended inspection interval per T.S. 4.17. However, as-found and as-left visual inspections were performed for all snubbers which were removed for functional testing or seal replacement.

## Abstract of Examinations

### Eddy Current Examinations

of

### Nonferromagnetic Steam Generator Tubing

Inservice examination was performed on Steam Generator "B"

In Steam Generator "B" 3334 tubes were inspected full length with bobbin probes to test for general degradation. The plan also consisted of the following:

1. 680 tubes hot leg top of tubesheet, rotating pancake coil (RPC) testing to detect cracking,
2. 19 tubes row 1 U-bend RPC testing to detect cracking;
3. 4 tubes plus point inspection for characterization of anomalous signals; and
4. 5 tubes ultrasonic (UT) inspection for characterization of anomalous signals.

Steam generator "B" had eight (8) plugged tubes at the beginning of the inspection, and six (6) tubes were plugged as a result of this inspection. Three tubes (Row 1-Column 58, Row 1-Column 59, and Row 1-Column 60) were preventively plugged due to restrictions. The following tubes (Row 32-Column 14, Row 32-Column 16, and Row 33-Column 16) were preventively plugged due to indications at the hot leg side baffle plate. The results of sizing of these indications, based on a qualified bobbin wear standard, shows all of these indications to be 21%-26% through wall.

No indications were reported that are significant to tube integrity. However, the following indications were reported during the inspection:

Row	Column	Indication	Location	Remarks
8	4	MBM	5C	
12	5	MBM	1H	
13	6	MBM	1H	
15	6	MBM	4C	
14	7	MBM	1C	
20	7	MBM	BPH	
23	7	MBM	1H	
8	8	MBM	TSC	
8	9	MBM	5H	

Row	Column	Indication	Location	Remarks
16	10	MBM	1C	
11	11	MBM	3H	
14	11	MBM	1H	
22	11	MBM	BPC	
2	13	MBM	5H	
4	14	MBM	1H	
4	14	DNT	7H	
21	14	MBM	6H	
14	15	MBM	1C	
21	15	MBM	5C	
27	15	MBM	TSC	
8	16	MBM	5H	
12	16	MBM	5C	
33	16	MBM	2C	
33	16	26%TW	BPH	Preventively plugged
33	16	DNT	2H	
33	16	DNT	2H	
13	17	MBM	3H	
13	17	MBM	5H	
21	19	MBM	BPC	
33	19	MBM	2H	
35	19	MBM	6	

Row	Column	Indication	Location	Remarks
5	20	MBM	3	
24	20	MBM	3H	
27	20	MBM	BPH	
31	20	MBM	BPH	
35	20	MBM	1H	
17	22	MBM	TSC	
24	22	MBM	2H	
35	22	MBM	2C	
35	22	MBM	BPC	
17	22	MBM	3C	
17	23	MBM	3C	
17	23	MBM	2C	
24	23	MBM	BP	
24	23	MBM	4H	
24	23	MBM	5H	
30	23	MBM	2C	
26	24	MBM	3H	
33	24	MBM	6H	
33	24	MBM	6H	
39	24	MBM	AV2	
39	24	MBM	AV2	
21	25	MBM	5H	

Row	Column	Indication	Location	Remarks
29	25	MBM	2C	
9	26	MBM	4H	
21	26	MBM	BPC	
3	27	MBM	TSH	
38	27	MBM	1H	
1	28	MBM	TSC	
19	28	MBM	1C	
22	29	MBM	5H	
30	29	MBM	6H	
13	30	MBM	5H	
42	30	MBM	1C	
39	31	MBM	6C	
8	32	MBM	3H	
39	32	MBM	AV1	
3	33	MBM	5H	
11	33	MBM	TSH	
11	33	MBM	1H	
25	33	MBM	3H	
39	34	MBM	6H	
42	34	MBM	2C	
9	35	MBM	3C	
20	35	MBM	3H	

Row	Column	Indication	Location	Remarks
23	35	MBM	BPH	
31	35	MBM	2H	
31	35	MBM	2H	
22	37	MBM	5H	
39	37	MBM	2H	
43	37	MBM	7H	
24	38	MBM	6C	
27	38	MBM	2H	
27	38	MBM	4C	
31	38	MBM	4H	
42	38	MBM	5C	
34	39	MBM	3H	
37	40	MBM	2H	
43	40	MBM	3H	
29	41	MBM	5C	
28	42	MBM	6C	
29	42	MBM	1H	
7	43	MBM	3C	
16	43	MBM	AV3	
32	43	MBM	3H	
44	43	MBM	BPH	
42	44	MBM	6H	

Row	Column	Indication	Location	Remarks
44	44	MBM	3H	
24	46	MBM	1H	
25	46	MBM	AV3	
34	46	MBM	BPC	
4	47	MBM	5H	
12	47	MBM	TSC	
42	47	MBM	3C	
44	47	MBM	1C	
6	48	MBM	5C	
6	48	MBM	4C	
34	48	MBM	5H	
28	49	MBM	5C	
3	50	MBM	5C	
5	50	MBM	4H	
31	51	MBM	3C	
19	52	MBM	5C	
40	52	MBM	AV4	
6	53	MBM	1H	
12	53	MBM	3C	
12	53	MBM	TSC	
21	54	MBM	TSH	
21	54	MBM	1H	

Row	Column	Indication	Location	Remarks
21	54	MBM	4C	
44	55	MBM	4C	
35	56	MBM	5C	
34	57	MBM	1C	
37	57	MBM	2H	
39	57	MBM	AV4	
45	57	MBM	1H	
45	57	MBM	AV2	
22	58	MBM	5C	
13	59	MBM	1C	
26	59	MBM	5C	
33	59	MBM	5H	
33	59	MBM	5H	
18	60	MBM	6C	
5	63	MBM	2H	
19	67	MBM	6C	
26	68	MBM	BPH	
17	69	MBM	BPH	
19	70	MBM	6H	
25	70	MBM	TSH	
28	70	MBM	AV1	
39	70	MBM	5C	



Row	Column	Indication	Location	Remarks
6	71	MBM	1C	
31	72	MBM	1H	
26	73	MBM	6H	
19	74	MBM	4C	
19	75	MBM	5C	
34	76	MBM	6H	
34	76	MBM	6C	
34	76	MBM	6C	
13	77	MBM	3H	
23	77	MBM	6C	
22	78	MBM	3H	
30	78	MBM	1C	
29	80	MBM	3H	
29	80	MBM	3H	
29	80	MBM	1C	
29	80	MBM	1C	
29	80	MBM	1C	
7	81	MBM	1H	
7	81	MBM	3H	
29	82	MBM	3C	
31	82	MBM	2H	
3	83	MBM	1C	
21	84	MBM	6H	

Row	Column	Indication	Location	Remarks
19	85	MBM	BPC	
13	86	MBM	1C	
4	88	MBM	BPC	
21	88	MBM	BPH	
26	75	MBM	TSH	
26	75	DNT	2H	
14	90	MBM	1C	
1	58	RST	TSH	Preventively plugged
1	59	RST	TSH	Preventively plugged
1	60	RST	TSH	Preventively plugged
32	14	22%TW	BPH	Preventively plugged
32	16	21%TW	BPH	Preventively plugged
9	2	DNT	6H	
16	4	DNT	AV4	
18	5	DNT	QV4	
18	5	DNT	6C	
18	5	DNT	6C	
1	6	DNT	7C	
19	7	DNT	6C	
4	12	DNT	7H	
9	14	DNT	5C	
31	14	DNT	6C	
8	15	DNT	7H	

Row	Column	Indication	Location	Remarks
2	17	DNT	7H	
7	21	DNT	6C	
11	22	DNT	7H	
4	29	DNT	6H	
15	32	DNT	6C	
45	41	DNT	QV4	
42	43	DNT	BPH	
11	49	DNT	6C	
10	49	DNT	7H	
11	50	DNT	7H	
19	51	DNT	4H	
19	51	DNT	6H	
19	51	DNT	1C	
43	54	DNT	2C	
1	58	DNT	TSC	
17	58	DNT	2H	
1	59	DNT	TSC	
10	60	DNT	TSH	
10	60	DNT	1C	
6	63	DNT	3H	
6	67	DNT	4C	
4	68	DNT	1C	
34	69	DNT	3H	

Row	Column	Indication	Location	Remarks
36	70	DNT	AV2	
21	76	DNT	1C	
1	78	DNT	7H	
27	80	DNT	6H	
4	83	DNT	7H	
20	83	DNT	2H	
1	87	DNT	7H	
20	87	DNT	2H	
18	89	DNT	7C	
19	89	DNT	7C	
20	89	DNT	7C	
20	89	DNT	7C	
4	90	DNT	6H	
16	90	DNT	7C	
17	90	DNT	1H	
17	90	DNT	7C	
18	90	DNT	7C	
18	90	DNT	7C	
15	91	DNT	7C	
16	91	DNT	7C	
16	91	DNT	7C	
4	92	DNT	7H	

## Glossary of Terms

- NT: Dent - A tube deformation resulting in a non-circular tube shape with areas of reduced diameter.
- MBM: Manufacturing Buff Mark - A shallow tube wall loss due to manual buffing of minor surface imperfections during steam generator construction.
- RST: Restricted tube
- %TW: Percent through wall reduction of tube
- Row-Column: Tube identifier numbers based on an X-Y coordinate system.
- Location: The location (in the tube) of the indication. Examples of locations are as follows:
- |                  |   |
|------------------|---|
| AV (1 through 4) | Anti-vibration bars located on the top radius of the tubes  |
| H (1 through 7)  | Tube support plates on the hot leg of the steam generator.  |
| C (1 through 7)  | Tube support plates on the cold leg of the steam generator. |
| TSH              | Top of tube sheet on the hot leg of the steam generator.    |
| TSC              | Top of tube sheet on the cold leg of the steam generator.   |
| THE              | Tube end on the hot leg of the steam generator.             |
| TEC              | Tube end on the cold leg of the steam generator.            |
| BPH              | Baffle plate on the hot leg of the steam generator          |
| BPC              | Baffle plate on the cold leg of the steam generator         |

**Attachment 2**

**Surry Power Station Unit 1**

**Inservice Inspections**

**Repairs and Replacements  
NIS-2 Forms**

## Repair and Replacements

Repairs and replacements completed during this refueling outage were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition.

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

RR# 97-235, replace valve 1-CS-MOV-102B. This replacement was performed on work order 00378524-01, and completed on 11-16-1998.

RR# 98-017, overhaul valve 1-SI-MOV-1869A. This replacement was performed on work order 00385298-01, and completed on 11-4-1998.

RR# 98-019, repair valve 1-SI-145. This repair was performed on work order 00365452-01, and completed on 3-25-1998.

RR# 98-020, repair valve 1-RC-PVC-1456. This repair was performed on work order 00365790-01, and completed on 3-25-1998.

RR# 98-021, repair valve 1-RC-PCV-1455C. This repair was performed on work order 00368301-01, and completed on 3-25-1998.

RR# 98-022, replace pressurizer manway, 1-RC-E-2. This repair was performed on work order 00364933-01, and completed on 3-26-1998.

RR# 98-028, replace fasteners 1-SI-130. This replacement was performed on work order 00386551-01, and completed on 3-24-1998.

RR# 98-029, repair valve 1-RC-PCV-1455C. This repair was performed on work order 00368301-01, and completed on 3-25-1998.

RR# 98-030, repair through wall leak on 12"-RH-19-602. This repair was performed on work order 00386554-01, and completed on 3-29-1998.

RR# 98-032, replace fasteners 1-RH-FE-1605. This replacement was performed on work order 00386554-02, and completed on 3-29-1998.

RR# 98-038, replace pipe and flange, 1.5"-CH-93-1502. This replacement was performed on work order 00389205-01, and completed on 5-15-1998.

RR# 98-039, replace flange fasteners, 1.5"-CH-93-1502. This replacement was performed on work order 00389205-02, and completed on 5-15-1998.

RR# 98-041, replace valve 1-RC-6. This replacement was performed on work order 00389419-01, and completed on 5-22-1998.

RR# 98-050, replace valve body 1-CH-280. This replacement was performed on work order 00385550-02, and completed on 10-27-1998.

RR# 98-057, replace valve 1-CS-MOV-102B. This replacement was performed on work order 00378524-03, and completed on 11-11-1998.

RR# 98-058, replace valve 1-CS-MOV-102A. This replacement was performed on work order 00345557-03, and completed on 11-10-1998.

RR# 98-059, replace valve 1-MS-182. This replacement was performed on work order 00371542-03, and completed on 11-2-1998.

RR# 98-060, replace valve 1-MS-178. This replacement was performed on work order 00371542-02, and completed on 11-2-1998.

RR# 98-061, replace valve 1-MS-176. This replacement was performed on work order 00371542-01, and completed on 11-2-1998.

RR# 98-062, replace valve stem 1-CH-HCV-1186. This replacement was performed on work order 00389563-01, and completed on 10-31-1998.

RR# 98-063, repair valve 1-CH-FCV-1114A. This repair was performed on work order 00364451-01, and completed on 11-3-1998.

RR# 98-067, replace trim assembly 1-CH-FCV-1160. This repair was performed on work order 00381710-01, and completed on 10-25-1998.

RR# 98-084, replace fasteners 1-RH-11. This repair was performed on work order 00389658-01, and completed on 11-2-1998.

RR# 98-086, overhaul valve 1-SI-243. This repair was performed on work order 00390395-01, and completed on 11-5-1998.

RR# 98-087, replace fasteners 1-SI-229. This repair was performed on work order 00362345-01, and completed on 11-2-1998.

RR# 98-088, replace fasteners 1-SI-228. This repair was performed on work order 00362346-01, and completed on 11-2-1998.

RR# 98-089, inspect/repair check valve 1-SI-147. This repair was performed on work order 00365453-01, and completed on 11-1-1998.



RR# 98-091, replace valve 1-RC-107. This replacement was performed on work order 00395654-01, and completed on 11-11-1998.

RR# 98-092, replace valve body 1-CH-280, 1-CH-1200A, B & C. This replacement was performed on work order 00378715-02, and completed on 11-3-1998.

RR# 98-093, replace valve 1-MS-196. This replacement was performed on work order 00263047-01, and completed on 11-20-1998.

RR# 98-094, Fabricate supports. This replacement was performed on work order 00378715-01, and completed on 11-04-1998.

RR# 98-097, replace trim set 1-MS-PVC-102A. This repair was performed on work order 00382372-01, and completed on 11-2-1998.

RR# 98-098, replace trim set 1-MS-PVC-102B. This repair was performed on work order 00382374-01, and completed on 11-2-1998.

RR# 98-101, replace fasteners 1-RC-SV-1551A. This repair was performed on work order 00381884-01, and completed on 11-14-1998.

RR# 98-102, replace fasteners 1-RC-SV-1551B. This repair was performed on work order 00381885-01, and completed on 11-08-1998.

RR# 98-103, replace fasteners 1-RC-SV-1551C. This repair was performed on work order 00381886-01, and completed on 11-08-1998.

RR# 98-104, replace pipe 14"-WFPD-13-601. This replacement was performed on work order 00376326-07, and completed on 11-3-1998.

RR# 98-105, overhaul valve 1-RC-PCV-1456. This replacement was performed on work order 00365790-04, and completed on 10-31-1998.

RR# 98-106, replace valve bonnet 1-RC-TV-1519. This replacement was performed on work order 00384333-01, and completed on 11-11-1998.

RR# 98-107, replace pipe 12"-RH-19-602. This replacement was performed on work order 00391924-01, and completed on 11-5-1998.

RR# 98-112, cut and reinstall pipe 2"-CH-216-152. This replacement was performed on work order 00377092-01, and completed on 11-03-1998.

RR# 98-122, overhaul valve 1-CS-MOV-101A. This replacement was performed on work order 00365785-01, and completed on 11-5-1998.

RR# 98-131, repair thermowell 1-RC-P-1B. This repair was performed on work order 00386708-05, and completed on 10-31-1998.

RR# 98-132, inspect check valve 1-CS-127. This replacement was performed on work order 00381746-01, and completed on 10-29-1998.

RR# 98-133, install trunnion 1-WFPD-HSS-15 & 16. This replacement was performed on work order 00399355-01, and completed on 11-13-1998.

RR# 98-134, replace secondary manway bolts 1-RC-E-1B. This replacement was performed on work order 00380019-03, and completed on 11-3-1998.

RR# 98-135, overhaul valve 1-CH-HCV-1310A. This replacement was performed on work order 00399484-01, and completed on 11-6-1998.

RR# 98-138, replace valve 1-SI-185. This replacement was performed on work order 00362350-03, and completed on 11-6-1998.

RR# 98-140, replace relief valve 1-CH-RV-1203. This replacement was performed on work order 00384251-02, and completed on 11-3-1998.

RR# 98-143, replace fasteners 1-FW-61. This replacement was performed on work order 00399726-01, and completed on 11-3-1998.

RR# 98-144, replace cap fasteners 1-FW-62. This replacement was performed on work order 00399729-01, and completed on 11-3-1998.

RR# 98-145, replace handhole gasket 1-RC-E-1C. This replacement was performed on work order 00399072-01, and completed on 11-10-1998.

RR# 98-146, replace snubber 1-BD-MSS-10. This replacement was performed on work order 00384505-01, and completed on 11-6-1998.

RR# 98-147, replace snubber 1-RC-MSS-10C. This replacement was performed on work order 00384511-01, and completed on 11-6-1998.

RR# 98-150, replace fasteners 1-MS-SV-101A. This replacement was performed on work order 00381846-01, and completed on 11-14-1998.

RR# 98-151, replace fasteners 1-MS-SV-101B. This replacement was performed on work order 00397914-01, and completed on 11-14-1998.

RR# 98-152, replace fasteners 1-MS-SV-101C. This replacement was performed on work order 00381848-01, and completed on 11-14-1998.

RR# 98-153, replace inlet flange fasteners 1-MS-SV-102A. This replacement was performed on work order 00381849-01, and completed on 11-14-1998.

RR# 98-154, replace fasteners 1-MS-SV-102B. This replacement was performed on work order 00397915-01, and completed on 11-14-1998.

RR# 98-155, replace fasteners 1-MS-SV-102C. This replacement was performed on work order 00381851-01, and completed on 11-14-1998.

RR# 98-156, replace inlet flange fasteners 1-MS-SV-103A. This replacement was performed on work order 00381852-01, and completed on 11-14-1998.

RR# 98-157, replace fasteners 1-MS-SV-103B. This replacement was performed on work order 00397916-01, and completed on 11-14-1998.

RR# 98-158, replace fasteners 1-MS-SV-103C. This replacement was performed on work order 00381854-01, and completed on 11-14-1998.

RR# 98-159, replace inlet flange fasteners 1-MS-SV-104A. This replacement was performed on work order 00381855-01, and completed on 11-14-1998.

RR# 98-160, replace fasteners 1-MS-SV-104B. This replacement was performed on work order 00397917-01, and completed on 11-14-1998.

RR# 98-161, replace fasteners 1-MS-SV-104C. This replacement was performed on work order 00381857-01, and completed on 11-14-1998.

RR# 98-162, replace fasteners 1-MS-SV-105A. This replacement was performed on work order 00381858-01, and completed on 11-14-1998.

RR# 98-163, replace fasteners 1-MS-SV-105B. This replacement was performed on work order 00397918-01, and completed on 11-14-1998.

RR# 98-164, replace fasteners 1-MS-SV-105C. This replacement was performed on work order 00381860-01, and completed on 11-14-1998.

**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 12/15/98  
 Sheet 1 of 1

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

Unit One  
 WO#00378524-01, RR#97-235

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

Repair Organization P.O. No., Job No., etc.  
 NA  
 Type Code Symbol Stamp  
 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 through N-13 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)
3/4" Nuts	Mackson, Inc.	NA	NA	1-CS-MOV-102 <del>7</del> <i>B</i> <i>&gt; 12/15/98</i>	NA	Replacement	No
Valve	BW/IP International	E138A-1-2	NA	1-CS-MOV-102 <del>7</del> <i>B</i>	VA	Replacement	No

Replace valve. Code Case N-416-1 applies (Completed 11/16/98).

7. Description of Work \_\_\_\_\_

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

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

FORM NIS-2 (Back)

PO# BNT-467650 (nuts), CNT-555934 (valve)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this 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 12/15, 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 in this Owner's Report during the period 12/2/97 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/21 19 98

**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 11/25/98

Sheet 1 of 1

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

Unit One

WO#00385298-01, RR#98-017  
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 through N-17 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 88

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.	NA	NA	1-SI-MOV-1869A	NA	Replacement	No
Nuts	Mackson, Inc.	NA	NA	1-SI-MOV-1869A	NA	Replacement	No

7. Description of Work overhaul valve.

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

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



**FORM NIS-2 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 5/22/98

Sheet 1 of 1

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

Unit One

WO#00365452-01, RR#98-019  
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 through N-12 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)
Disk	BW/IP International	Stock # 20501390	NA	1-SI-145	NA	Replacement	No
Studs	Mackson, Inc.	NA	NA	1-SI-145	NA	Replacement	No
Nuts	Mackson, Inc.	NA	NA	1-SI-145	NA	Replacement	No

7. Description of Work Repair valve.

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

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



FORM NIS-2 (Back)

CNT-558594 (disk), BNT-467650 (studs & 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 replaced 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 [Signature] ISI Engineer Date 5/22, 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 in this Owner's Report during the period 3/10/98 to 5/28/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Va. 883
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/28 19 98

**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 5/22/98  
 Name  
 5000 Dominion Blvd., Glen Allen, Va. 23060  
 Address
2. Plant Surry Power Station Unit One  
 Name  
 5570 Hog Island Rd., Surry, Va. 23883  
 Address  
 WO#00365790-01, RR#98-020  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
 Name  
 Authorization No. NA  
 Expiration Date NA  
 Same as above  
 Address
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-12 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 (plug)	Copes-Vulcan	Part # 141703	NA	1-RC-PCV-1456	NA	Replacement	No

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

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

CNT-552053

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. Logan IST Engineer Date 5/22, 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 in this Owner's Report during the period 3/10/98 to 5/28/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W. H. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 5/28 19 98

**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 5/22/98  
Sheet 1 of 1

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

Unit One  
WO#00368301-01, RR#98-021  
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp  
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 through N-13 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 (plug)	Copes-Vulcan	Part # 141703	NA	1-RC-PCV-1455C	NA	Replacement	No
Bonnet	Copes-Vulcan	Part # 130895	NA	1-RC-PCV-1455C	NA	Replacement	No

7. Description of Work Repair valve.

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

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

FORM NIS-2 (Back)

CNT-552053 (trim), CNT-555625 (bonnet)

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. Rozen TSE ENGINEER Date 5/22, 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 in this Owner's Report during the period 3/25/98 to 5/28/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions Va. 883 National Board, State, Province, and Endorsements

Date 5/28 19 98

**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 7/02/98

Sheet 1 of 1

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

Unit One

WO#00364933-01, RR#98-022  
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 through N-1 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)
Manway	Westinghouse	NA	NA	1-RC-E-2	NA	Replaced	No
Studs	Westinghouse	Part # 1873E97H01	NA	1-RC-E-2	NA	Replaced	No
Nuts	ASTRO Nuclear	Part # 1873E97H02	NA	1-RC-E-2	NA	Replaced	No

7. Description of Work Replace pressurizer 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.

FORM NIS-2 (Back)

PO# CNT-382243 (studs), CNT-537321 (nuts)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

The manway was removed from an old replaced steam generator and installed on 1-RC-E-2.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. H. Kegan ISI ENGINEER Date 7/2, 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 in this Owner's Report during the period 3/10/98 to 7/6/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

A. Smith Commissions Va. 883
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/6 1998

**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 6/5/98

Sheet 1 of 1

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

Unit One

WO#00386551-01, RR#98-028  
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 through N-11 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.	NA	NA	1-SI-130	NA	Replaced	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)

BNT-467650

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. Rozen ISI Engineer Date 6/5, 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 in this Owner's Report during the period 3/24/98 to 6/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 6/9 19 98

**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 5/22/98  
Sheet 1 of 1

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

Unit One  
WO#00368301-01, RR#98-029  
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 through N-13 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 & Nuts	Mackson, Inc.	NA	NA	1-RC-PCV-1455C	NA	Replacement	No

7. Description of Work Repair valve.

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

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

FORM NIS-2 (Back)

CNT-467650

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 ISI Engineer Date 5/22, 1998 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in this Owner's Report during the period 3/25/98 to 5/28/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W. L. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 5/28, 1998

**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 4/14/98  
 Sheet 1 of 1

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

Unit One  
WO#00386554-01, RR#98-030  
 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 Residual Heat Removal

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
Socket	Energy & Process Corp.	Ht. #171YNA		12"-RH-19-602	NA	Replacement	No
Plug	Edgcomb Metals Co.	NA		12"-RH-19-602	NA	Replacement	No

7. Description of Work Repair through wall leak. Code Case N-416-1 applies.

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 # CNT563767 (sockolet), 43088 (plug)

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 ISE ENGINEER Date April 14, 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 in this Owner's Report during the period 3/25/98 to 4/15/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/15 19 98

**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 5/22/98  
Sheet 1 of 1

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

Unit One  
WO#00386554-02, RR#98-032  
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 Residual Heat Removal

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 & Nuts	Mackson, Inc.	NA	NA	1-RH-FE-1605	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)

BNT-467650

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 [Signature] Date 5/22, 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 in this Owner's Report during the period 3/26/98 to 5/28/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Va. 883
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/28 1998

**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 6/16/98  
Sheet 1 of 1

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

Unit One  
WO#00389205-01, RR#98-038  
Repair Organization P.O. No., Job No., etc.

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

Type Code Symbol Stamp  
Authorization No. NA  
Expiration Date NA

4. Identification of System Chemical & Volume Control

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 1/2" Pipe	Guyon Alloys	Ht. # NSD1024	NA	1.5"-CH-93-1502	NA	Replaced	No
Flange	Energy & Process Corp.	Ht. # 860XNE	NA	1.5"-CH-93-1502	NA	Replaced	No

7. Description of Work Replace pipe and flange. Code Case N-416-1 applies.

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)

NS-31551 (pipe), CNT-570213 (flange)

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 FSI ENGINEER Date 6/16, 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 in this Owner's Report during the period 5/12/98 to 6/23/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W. L. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 6/23 19 98

**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 9/25/98  
Sheet 1 of 1

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

Unit One  
WO#00389205-02, RR#98-039  
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 Charging

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 " Studs	Mackson, Inc.	NA	NA	L.50-CH-93-1502	NA	Replacement	No
1 " Nuts	Mackson, Inc.	NA	NA	L.50-CH-93-1502	NA	Replacement	No

7. Description of Work Replace flange 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)

PO# BNT-467650 (studs & 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 W.L. Green IST ENGINEER Date 9/25, 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 in this Owner's Report during the period 5/13/98 to 9/29/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W.L. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 9/29/ 19 98

**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 7/06/98

Sheet 1 of 1

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

Unit One

WO#00389419-01, RR#98-041  
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 through N-1 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)
Pipe	Energy & Process Corp.	Ht. # K31696	NA	1-RC-6	NA	Replaced	No
Elbow	Dubose Nat. Energy Serv.	Ht. Code RW Ht. # 39125	NA	1-RC-6	NA	Replaced	No
Valve	Edwards Valves	S. O. # 36-21332	NA	1-RC-6	NA	Replaced	No

7. Description of Work Replace valve. Code Case N-416-1 applies.

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# CNT-487834 (pipe), CNT-567357 (elbow),

9. Remarks

Applicable Manufacturer's Data Reports to be attached

SNT-351707 (valve)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed W.L. Rogers ISI Engineer Date 7/6, 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 in this Owner's Report during the period 5/20/98 to 7/29/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature A.A. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 7/29 19 98

**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 12/1/98  
Sheet 1 of 1

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

Unit One  
365580-02 12/1/98  
WO#00378715-02, RR#98-092 050  
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 Charging

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-11 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	Edward Valves	Part # 2605044	NA	1-CH-280	NA	Replacement	No
2" Elbow	Energy & Process Corp.	Ht. # 461885	NA	1-CH-280	NA	Replacement	No
2" Pipe	Energy & Process Corp.	Ht. # 431377	NA	1-CH-280	NA	Replacement	No

7. Description of Work Replace valve bodies. Code Case N-416-1 applies.

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# CNT-571625 (valve), CNT-487834 (pipe), CNT-574420

9. Remarks

Applicable Manufacturer's Data Reports to be attached

(elbow)

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. Boyce ISI ENGINEER Date 12/1, 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.

9/9/98 have inspected the components described in this Owner's Report during the period 9/9/98 to 12/8/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

D. L. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/8 19 98

**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 12/3/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 2
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00378524-03, RR#98-057  
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 Containment Spray
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
6" Elbow	Tioga Pipe Supply	NA	NA	1-CS-MOV-102B	NA	Replacement	No
6" Pipe	HUB, Inc.	NA	NA	1-CS-MOV-102B	NA	Replacement	No
6" Flange	Consolidated Power Supply	NA	NA	1-CS-MOV-102B	NA	Replacement	No
6" Tee	Dubose National Energy Services	NA	NA	1-CS-MOV-102B	NA	Replacement	No
2" Elbow	Frishkorn, Inc.	NA	NA	1-CS-MOV-102B	NA	Replacement	No
2" Elbow	Frishkorn, Inc.	NA	NA	1-CS-MOV-102B	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-applies (Completed 11/11/98).
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 # CNT-525150, CNT-447334, CNT-563651, CNT-558834,

9. Remarks

Applicable Manufacturer's Data Reports to be attached

SSY-347633, CSY-341372

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. Brown ISI Engineer Date 12/2, 1998  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

9/8/98 to 12/7/98 have inspected the components described in this Owner's Report during the period 9/8/98 to 12/7/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/7 1998

**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 12/3/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 2 of 2
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00378524-03, RR#98-057  
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 Containment Spray
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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" Elbow	HUB, Inc.	NA	NA	1-CS-MOV-102B	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-applies (Completed 11/11/98).
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 # CSY-191376

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 A. L. Rosen I SE ENGINEER Date 12/3, 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.

9/8/98 have inspected the components described in this Owner's Report during the period 12/7/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

A. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/7 19 98

**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 12/3/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00345557-03, RR#98-058  
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 Containment Spray
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
6" Pipe	HUB, Inc.	NA	NA	1-CS-MOV-102A	NA	Replacement	No
6" Elbow	Tioga Pipe Supply	NA	NA	1-CS-MOV-102A	NA	Replacement	No
6" Flange	Consolidated Power Supply	NA	NA	1-CS-MOV-102A	NA	Replacement	No
2" Branch	Energy & Process Corp.	NA	NA	1-CS-MOV-102A	NA	Replacement	No
2" Elbow	Consolidated Power Supply	NA	NA	1-CS-MOV-102A	NA	Replacement	No
2" Pipe	Consolidated Power Supply	NA	NA	1-CS-MOV-102A	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-applies (Completed 11/10/98).
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 # CNT-447334, CNT-525150, CNT-563251, CNT-563767,

9. Remarks \_\_\_\_\_  
 \_\_\_\_\_  
 Applicable Manufacturer's Data Reports to be attached  
 SSY-355986, CNT-540879  
 \_\_\_\_\_  
 \_\_\_\_\_

**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. Rogers ISE Engineer Date 12/3, 1998  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 9/8/98 to 12/7/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/7 1998

**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 12/3/98  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Address  
Sheet 2 of 2
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883 Address  
WO#00345557-03, RR#98-058 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 Containment Spray
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-1 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" Elbow	John H. Frischkorn, Inc.	NA	NA	1-CS-MOV-102A	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-applies (Completed 11/10/98).
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 # CSY-341372

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. Rogers ISI Engineer Date 12/3, 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 in this Owner's Report during the period 9/8/98 to 12/7/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

D.L. Smith Commissions Va. 883
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/7 19 98

**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 12/4/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
12/4/98  
WO#00371542-031, RR#98-059  
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 through N-13 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)
3" Elbow	Tioga Pipe Supply	NA	NA	1-MS-182	NA	Replacement	No
3" Valve	Enertech	Model # 3"-600 ANSI	DRV-Z NA	1-MS-182	NA	Replacement	No
3" Elbow	Energy & Process Corp.	NA	NA	1-MS-182	NA	Replacement	No
3" Pipe	Dubose Nat. Energy Services	NA	NA	1-MS-182	NA	Replacement	No
3" Flange	Dubose Nat. Energy Services	NA	NA	1-MS-182	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-applies (Completed 11/2/98).
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-575132, CNT-566425, CNT-550541, CNT-563042,  
Applicable Manufacturer's Data Reports to be attached  
CNT-576104, BNT-467650, CNT-558078

**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 ISI ENGINEER Date 12/4, 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 in this Owner's Report during the period 9/8/98 to \_\_\_\_\_, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. Smith Commissions Va. 883  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 12/7 19 98

**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 12/4/98

Sheet 2 of 2

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

Unit One

1019 1/24/99  
WO#00371542-037, RR#98-059  
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 Main Steam

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
3/4" Nuts	Mackson, Inc.	NA	NA	1-MS-182	NA	Replacement	No
3/4" Studs	Mackson, Inc.	NA	NA	1-MS-182	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-applies (Completed 11/2/98).

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 NA

Certificate of Authorization No. NA Expiration Date NA

Signed W. L. Boer ISE Engineer Date 12/4, 1998  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

9/2/98 to 12/7/98 have inspected the components described in this Owner's Report during the period 9/2/98 to 12/7/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/7 1998

**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 12/4/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00371542-02, RR#98-060  
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 through N-13 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)
3" Elbow	Tioga Pipe Supply	NA	NA	1-MS-178	NA	Replacement	No
3" Valve	Enertech	Model # 3"-600 ANSI	DRV-Z NA	1-MS-178	NA	Replacement	No
3" Elbow	Energy & Process Corp.	NA	NA	1-MS-178	NA	Replacement	No
3" Pipe	Dubose Nat. Energy Services	NA	NA	1-MS-178	NA	Replacement	No
3" Flange	Dubose Nat. Energy Services	NA	NA	1-MS-178	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-applies (Completed 11/2/98).
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 # CNT-575132, CNT-566425, CNT-550541, CNT-563042,

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CNT-576104

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 ISE ENGINEER Date 12/4, 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 in this Owner's Report during the period 9/8/98 to 12/7/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature (Signature) Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/7 19 98

**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 12/4/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00371542-01, RR#98-061  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_
3. Work Performed by Virginia Power Type Code Symbol Stamp NA  
Name \_\_\_\_\_  
Authorization No. NA  
Address Same as above Expiration Date NA  
Address \_\_\_\_\_
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
3/4 " Nuts	Mackson, Inc.	NA	NA	1-MS-176	NA	Replacement	NO
3/4" Studs	Mackson, Inc.	NA	NA	1-MS-176	NA	Replacement	No
3" Valve	Enertech	Model # 3"-600 ANSI	DRV-Z NA	1-MS-176	NA	Replacement	No
3" Elbow	Energy & Process Corp.	NA	NA	1-MS-176	NA	Replacement	No
3" Pipe	Dubose Nat. Energy Services	NA	NA	1-MS-176	NA	Replacement	No
3" Flange	Dubose Nat. Energy Services	NA	NA	1-MS-176	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-applies (Completed 11/2/98).
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 12/15/98  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address

2. Plant Surry Power Station Sheet 1 of 1  
Name Unit One  
5570 Hog Island Rd., Surry, Va. 23883  
Address WO#00389563-01, RR#98-062

3. Work Performed by Virginia Power Repair Organization P.O. No., Job No., etc.  
Name NA  
Address Type Code Symbol Stamp NA  
Same as above Authorization No. NA  
Address Expiration Date NA

4. Identification of System Charging

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 (Plug)	Copes-Vulcan	Part #13274 OMKD	NA	1-CH-HCV-1186	NA	Replacement	No

Replace valve stem. (Completed 10/31/98).

7. Description of Work 222 12/15/98

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# CSY-193965

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 G. Rosen ISI ENGINEER Date 12/15, 19 88
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 9/8/98 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/21 19 98

**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 11/25/98  
Sheet 1 of 1

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

Unit One  
  
WO#00364451-01, RR#98-063  
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 Charging

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-1 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)
Trim Set (plug)	Copes-Vulcan	Part # 132566	NA	1-CH-ECV-1114A	NA	Replacement	No

7. Description of Work Repair valve.

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

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

FORM NIS-2 (Back)

PO# CNT-395682

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. J. Rogers ISE ENGINEER Date 11/25, 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 in this Owner's Report during the period 9/8/98 to 12/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/9 19 98

**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 1/14/99  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883 WO#00381710 RR#98-067  
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 Charging
5. (a) Applicable Construction Code B31.1 19 Edition, 55 Addenda, NA Code Case  
N-1 through N-13  
(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 (Plug)	Copes-Vulcan	Ht. # 715571	NA	1-CH-FCV-1160	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.

FORM NIS-2 (Back)

CNT-571812

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 1/14, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 9/8/98 to 1/25/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

D. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/25 19 99

**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 1/11/99  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Address  
Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883 Address  
WO#00389658-01, RR#98-084 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 Residual Heat Removal
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 & Nuts	Mackson, Inc.	NA	NA	1-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 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), CNT-512433 (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 W. L. Logan ISI ENGINEER Date 1/11, 1999  
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 HSBT and T Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 9/8/98 to 1/12/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. L. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/10 1999

**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 1/11/99  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883 Repair Organization P.O. No., Job No., etc.  
Address WO#00390395-01, RR#98-086
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 through N-13 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 & Nuts	Mackson. Inc.	NA	NA	1-SI-243	NA	Replacement	No
Disc	Velan	Serial # 6947	NA	1-SI-243	NA	Replacement	No

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

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



FORM NIS-2 (Back)

9. Remarks PO# CNT-492385 (disc), BNT-467650 (nuts), CNT-567187  
Applicable Manufacturer's Data Reports to be attached  
(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 NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Rogers, ESE ENGINEER Date 1/11, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBT and T Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 9/8/98 to 1/12/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature D. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 1/12 1999

**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 12/15/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00362345-01, RR#98-087  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_  
NA
3. Work Performed by Virginia Power Type Code Symbol Stamp \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
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 through N-13 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.	NA	NA	1-SI-229	NA	Replacement	No
Nuts	Nova Machine Corp.	NA	NA	1-SI-229	NA	Replacement	No

7. Description of Work Replace fasteners. (Completed 11/2/98).
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-567187 (studs), SSY-419075 (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. J. Bowen ISI ENGINEER Date 12/15, 19 98  
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 HSBI and I Co. of Hartford, Ct.

have inspected the components described in this Owner's Report during the period 9/8/98 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/21 1998

**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 12/15/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1

2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
Repair Organization P.O. No., Job No., etc. WO#00362346-01, RR#98-088

3. Work Performed by Virginia Power Type Code Symbol Stamp \_\_\_\_\_  
Name \_\_\_\_\_ Authorization No. NA  
Address Same as above Expiration Date NA

4. Identification of System Safety Injection

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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.	NA	NA	1-SI-228	NA	Replacement	No
Nuts	Nova Machine Corp.	NA	NA	1-SI-228	NA	Replacement	No

7. Description of Work Replace fasteners. (Completed 11/2/98).

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-567187 (studs), SSY-419075 (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 ISI ENGINEER Date 12/15, 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.

9/8/98 have inspected the components described in this Owner's Report during the period 9/8/98 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

D. L. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/21, 19 98

**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 11/24/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1

2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00365453-01, RR#98-089  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_  
Type Code Symbol Stamp \_\_\_\_\_  
Authorization No. NA  
Expiration Date NA

3. Work Performed by Virginia Power Name \_\_\_\_\_  
Address \_\_\_\_\_  
safety injection Same as above  
Address \_\_\_\_\_

4. Identification of System charging Safety Injection

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 & Nuts	Mackson, Inc.	NA	NA	1-SI-147	NA	Replacement	No

7. Description of Work Inspect/repair check valve.

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

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

FORM NIS-2 (Back)

PO# BNT-476650

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 ISI ENGINEER Date 11/24, 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 in this Owner's Report during the period 9/14/98 to 11/24/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W. L. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 11/24 19 98

**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 12/31/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00395654-01, RR#98-091  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_  
NA
3. Work Performed by Virginia Power Type Code Symbol Stamp \_\_\_\_\_  
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 through N-13 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	Edwards Valves	NA	NA	1-RC-107	NA	Replacement	No
Pipe	Energy & Process Corp.	Ht. # 421377	NA	1-RC-107	NA	Replacement	No
Elbow	Energy & Process Corp.	Ht. # RW	NA	1-RC-107	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-1 applies.
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-575623 (elbow), CNT-487834 (pipe),  
Applicable Manufacturer's Data Reports to be attached  
CNT-571625 (valve)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed D. L. Rogers IST ENGINEER Date 12/31, 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.

9/9/98 have inspected the components described in this Owner's Report during the period 1/5/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

D. L. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/5 19 99

**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 12/1/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00378715-02, RR#98-092  
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 Charging
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-1 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)
Valves	Copes-Vulcan, Inc.	9750-96330-1-1, 1-2, & 1-3	NA	1-CH-HCV-1200A, B, & C	NA	Replacement	No
2" Pipe	Hub, Inc.	Ht. # 461885	NA	1-CH-HCV-1200A, B, & C	NA	Replacement	No
2" Pipe	Energy & Process Corp.	Ht. # 431377	NA	1-CH-HCV-1200A, B, & C	NA	Replacement	No

7. Description of Work Replace valve bodies. Code Case N-416-1 applies.
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# CNT-563957 (valves), CNT-487834 (pipe), CSY-321292

9. Remarks

Applicable Manufacturer's Data Reports to be attached

(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 NA

Certificate of Authorization No. NA Expiration Date NA

Signed W.L. Rosen ISE ENGINEER Date 12/1, 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 in this Owner's Report during the period 9/9/98 to 12/8/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W.L. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/8 19 98

**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 12/4/98

Sheet 1 of 1

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

Unit One

WO#00263047-01, RR#98-093

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 Main Steam

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
3" Pipe	Tioga Pipe Supply	NA	NA	1-MS-196	NA	Replacement	No
3" Valve	Crane	C3946	NA	1-MS-196	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-applies (Completed 11/20/98).

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)

CNT-574363 (pipe), CNT-438892 (valve)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this 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.P. Logan ISI ENGINEER Date 12/4, 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 in this Owner's Report during the period 9/9/98 to 12/7/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

A.A. Smith Commissions Va. 883
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/7 19 98

**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 1/4/99  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address  
Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883  
Address  
WO#00378715-01, RR#98-094  
Repair Organization P.O. No., Job No., etc.  
NA
3. Work Performed by Virginia Power Type Code Symbol Stamp  
Name  
Same as above  
Address  
Authorization No. NA  
Expiration Date NA
4. Identification of System Charging
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
1/4" Tube Steel	Dubose. Nat. Energy Serv.	Ht. # 662507	NA	Pipe Supports	NA	Replacement	No
1/4" Tube Steel	Consolidated Power Supply	Ht. # A77174	NA	Pipe Supports	NA	Replacement	No
1/2" Plate	Consolidated Power Supply	Ht. # C4286	NA	Pipe Supports	NA	Replacement	No
1/4" X 2" Flatbar	Consolidated Power Supply	Ht. # K8467	NA	Pipe Supports	NA	Replacement	No
1/4" X 4" Flatbar	Consolidated Power Supply	Ht. # B54617	NA	Pipe Supports	NA	Replacement	No

7. Description of Work Fabricate supports.
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 1/11/99  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address \_\_\_\_\_
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883 WO#00382372-01, RR#98-097  
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 Main Steam
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 & Nuts	Mackson. Inc.	NA	NA	1-MS-PCV-102A	NA	Replacement	No
Trim Set (Plug)	Fischer	Part # 17B6692X022	NA	1-MS-PCV-102A	NA	Replacement	No

7. Description of Work Replace trim set.
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-556155 (plug), CNT-569504 (nuts), CNT-575958  
Applicable Manufacturer's Data Reports to be attached  
(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 NA

Certificate of Authorization No. NA Expiration Date NA

Signed [Signature] ISI Engineer Date 1/11, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in this Owner's Report during the period 9/14/98 to 1/12/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/12 19 99

**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 1/11/99  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Address Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883 Address WO#00382374-01, RR#98-098  
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 through N-13 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 & Nuts	Mackson, Inc.	NA	NA	1-MS-PCV-102B	NA	Replacement	No
Trim Set (Plug)	Fischer	Part # 17B6692X022	NA	1-MS-PCV-102B	NA	Replacement	No

7. Description of Work Replace trim set.
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# CNT-556155 (plug), CNT-569504 (nuts), CNT-575958

9. Remarks

Applicable Manufacturer's Data Reports to be attached

(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 NA

Certificate of Authorization No. NA Expiration Date NA

Signed W.L. Rogers TSE ENGINEER Date 1/11, 1999 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 9/14/98 to 1/12/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature A. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 1/12 1999

**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 1/6/99  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Address Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883 Address WO#00381884-01, RR#98-101  
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 through N-13 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 & Nuts	Mackson. Inc.	NA	NA	1-RC-SV-1551A	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)

PO# BNT-467650

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. Brown ISI Examiner Date 1/6, 1999  
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 HSBT and T Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 9/17/98 to 1/7/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/7 1999

**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 1/6/99  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883 WO#00381885-01, RR#98-102  
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 Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 & Nuts	Mackson. Inc.	NA	NA	1-RC-SV-1551B	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)

PO# BNT-467650

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 ISI Engineer Date 1/6, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBT and T Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 9/17/98 to 1/7/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. Smith Commissions Va 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/7 19 99

**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 1/6/99  
Name

5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address

2. Plant Surry Power Station Unit One  
Name

5570 Hog Island Rd., Surry, Va. 23883 WO#00381886-01, RR#98-103  
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 Reactor Coolant

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 & Nuts	Mackson, Inc.	NA	NA	1-RC-SV-1551C	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)

PO# BNT-467650

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. H. Brown* ISI Engineer Date 1/6, 19 89  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBT and T Co of Hartford, Ct. have inspected the components described in this Owner's Report during the period 9/17/98 to 1/7/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*D. Smith* Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/7 19 89

**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 12/2/98  
Sheet 1 of 1

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

Unit One  
67 05 12/17/98  
WO#00376326-02, RR#98-104  
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 Feedwater

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
14" Sweep	Energy & Process Corp.	NA	NA	14"-WFPD-13-601	NA	Replacement	No
14" 120 Degree Bend	Energy & Process Corp.	NA	NA	14"-WFPD-13-601	NA	Replacement	No
14" Pipe	Tioga Pipe Supply	NA	NA	14"-WFPD-13-601	NA	Replacement	No

7. Description of Work Replace pipe. Code Case N-416-1 applies.

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

Date 12/3/98

Sheet 1 of 1

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

Unit One

WO# 065790-04, RR# 98-105  
 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 through N-12 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 (Plug)	Copes-Vulcan	Part # 141703	NA	1-RC-PCV-1456	NA	Replacement	No

7. Description of Work Overhaul valve. (Completed 10/31/98).

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 # CNT-576469

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. Jones ISI Executive Date 12/3, 1998
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in this Owner's Report during the period 9/21/98 to 12/8/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W.L. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/8 1998

**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 12/1/98

Sheet 1 of 1

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

Unit One

WO#00384333-01, RR#98-106  
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 through N-13 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 & Nuts	Maekson, Inc.	NA	NA	1-RC-TV-1519A	NA	Replacement	No
Bonnet	ITT Eng. Valves	Drawing No. 103536, Rev. C	NA	1-RC-TV-1519A	NA	Replacement	No

7. Description of Work Replace operator/bonnet 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)

PO# CNT-563390 (studs), BNT-467650 (nuts), CNT-570393

9. Remarks

Applicable Manufacturer's Data Reports to be attached

(bonnet assembly)

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. G. Rosen ISI ENGINEER Date 12/1, 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 in this Owner's Report during the period 9/21/98 to 12/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W. G. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/20 19 98

**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 12/3/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00391924-01, RR#98-107  
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 Residual Heat Removal
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
12" Flange	Tioga Pipe Supply	NA	NA	12"-RH-19-602	NA	Replacement	No
12" Pipe	Energy & Process Corp.	NA	NA	12"-RH-19-602	NA	Replacement	No
3" Flange	Tioga Pipe Supply	NA	NA	12"-RH-19-602	NA	Replacement	No
3" Branch	Consolidated Power Supply	NA	NA	12"-RH-19-602	NA	Replacement	No
3" Pipe	Dubose Steel	NA	NA	12"-RH-19-602	NA	Replacement	No
12" Pipe	Radnor Alloys, Inc.	NA	NA	12"-RH-19-602	NA	Replacement	No

7. Description of Work Replace piping. Code Case N-416-applies (Completed 11/5/98).
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 # CNT-567979, CNT-574103, CNT-576661, CNT-575167,

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

CSY-211480, CNT-576259

**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 ISI ENGINEER Date 12/3, 1998  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

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

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 9/29/98 to 12/8/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/8 1998

**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 12/30/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00377092-01, RR#98-112  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_  
NA
3. Work Performed by Virginia Power Type Code Symbol Stamp \_\_\_\_\_  
Name \_\_\_\_\_  
Same as above  
Address \_\_\_\_\_  
Authorization No. NA  
Expiration Date NA
4. Identification of System Charging
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
Pipe Couplings	Dubose Nat. Energy Serv.	Ht. # 600562	NA	2"-CH-216-152	NA	Replacement	No

7. Description of Work Cut and reinstall section of pipe. Code Case N-416-1 applies.
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 # CNT-576104 (couplings)

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 *A. L. Rosen* ISI ENGINEER Date 12/30, 1998  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBI and I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 10/8/98 to 1/5/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*A. Smith* Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/5 1999

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

1. Owner Virginia Electric and Power Co. Date 1/12/99  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883 Repair Organization P.O. No., Job No., etc.  
Address WO#00365785-01, RR#97-122
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 Containment Spray
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
Nuts	Mackson, Inc.	NA	NA	1-CS-MOV-101A	NA	Replacement	No
Disc	Posi-Seal International	Serial # 22462-01A	NA	1-CS-MOV-101A	NA	Replacement	No

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

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

**FORM NIS-2 (Back)**

PO# CSY-199862 (disc), CNT-576927 (nuts)

9. Remarks \_\_\_\_\_

Applicable Manufacturer's Data Reports to be attached

<b>CERTIFICATE OF COMPLIANCE</b>	
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI. <span style="float:right">repair or replacement</span>	
Type Code Symbol Stamp	NA
Certificate of Authorization No.	NA
Expiration Date	NA
Signed <u>W. H. Dugan</u> <u>ISI Engineer</u>	Date <u>1/12</u> , 19 <u>99</u>
<small>Owner or Owner's Designee, Title</small>	

<b>CERTIFICATE OF INSERVICE INSPECTION</b>	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Virginia</u> and employed by <u>HSBT and T Co</u> of <u>Hartford, Ct.</u> have inspected the components described in this Owner's Report during the period <u>5/20/97</u> to <u>1/12/99</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>W. A. Smith</u> Inspector's Signature	Commissions <u>Va. 883</u> National Board, State, Province, and Endorsements
Date <u>1/12</u> 19 <u>99</u>	

**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 12/2/98  
Sheet 1 of 1

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

Unit One  
WO#00386708-05, RR#98-131  
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 through N-1 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)
Thermowell	Westinghouse	NA	NA	1-RC-P-1B	NA	Repaired	No

7. Description of Work Repair thermowell.

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 11/25/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1

2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00381746-01, RR#98-132  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_  
Virginia Power  
NA

3. Work Performed by \_\_\_\_\_ Type Code Symbol Stamp \_\_\_\_\_  
Name \_\_\_\_\_  
Authorization No. NA  
Expiration Date NA  
Containment Spray SAME AS ABOVE  
Address \_\_\_\_\_  
3/2/1988

4. Identification of System charging CONTAINMENT SPRAY

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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	Velan	Order # P2-75345-KSP	NA	1-CS-127	NA	Replacement	No

7. Description of Work Inspect check 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)

PO# SY-343872

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 L. Rosen ISI ENGINEER Date 11/25, 19 98
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 HSBI and I Co. of Hartford, Ct.

have inspected the components described in this Owner's Report during the period 10/28/98 to 12/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/9 19 98

**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 12/4/98

Sheet 1 of 1

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

Unit One

WO#00399355-01, RR#98-133

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 Feedwater

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
6" Pipe	Consolidated Power Supply	Ht # X62656	NA	1-WFPD-HSS-15 & 1-WFPD-HSS-16	NA	Replacement	No
1/2" Plate	Consolidated Power Supply	Ht # C4286	NA	1-WFPD-HSS-15 & 1-WFPD-HSS-16	NA	Replacement	No

7. Description of Work Install trunnion. (Completed 11/13/98).

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)

CNT-468417 (6" pipe), CNT-560805 ( 1/2" plate)

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. J. Rogan ISE ENGINEER Date 12/4, 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 in this Owner's Report during the period 10/28 to 12/7/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature A. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/7 1998

**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 1/13/99  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address \_\_\_\_\_
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883 WO#00380019-03, RR#98-134  
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 Reactor Coolant
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
Bolts	Astro Nuclear Dynamics	NA	NA	1-RC-E-1B	NA	Replacement	No

7. Description of Work Replace secondary manway 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# CNT-504856 (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. Green ISI ENGINEER Date 1/13, 19 99  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by HSBT and T Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 10/29/98 to 1/19/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. Smith Commissions Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/19 19 99

**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 1/13/99  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060 Sheet 1 of 1  
Address
2. Plant Surry Power Station Unit One  
Name  
5570 Hog Island Rd., Surry, Va. 23883 WO#00399484-01, RR#98-135  
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 Charging
5. (a) Applicable Construction Code B31.1 55 Edition, NA Addenda, N-1 through N-13 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 & Nuts	Mackson, Inc.	NA	NA	1-CH-HCV-1310A	NA	Replacement	No
Trim Assembly (Plug)	Copes-Vulcan	Ht. # 62348	NA	1-CH-HCV-1310A	NA	Replacement	No

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

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

FORM NIS-2 (Back)

PO# CNT-573353 (nuts), CNT-575889 (nuts), CSY-175881

9. Remarks \_\_\_\_\_  
Applicable Manufacturer's Data Reports to be attached  
(trim assembly)  
\_\_\_\_\_  
\_\_\_\_\_

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 ISI Engineer Date 1/13, 19 99  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

\_\_\_\_\_ have inspected the components described in this Owner's Report during the period 10/30/98 to 1/19/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

W. L. Smith Commissions \_\_\_\_\_ Va. 883  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/19 19 99

**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 12/1/98

Sheet 1 of 1

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

Unit One

WO#00362350-03, RR#98-138  
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 through N-13 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	Velan	Figure # X14-3114R-1BMS	NA	1-ST-85	NA	Replacement	No

7. Description of Work Replace valve. Code Case N-416-1 applies.

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# CNT-539932

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. Boyer ISI ENGINEER Date 12/1, 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 in this Owner's Report during the period 11/2/98 to 12/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature O. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/9 19 98

**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 12/15/98  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Name Address  
2. Plant Surry Power Station Sheet 1 of 1  
5570 Hog Island Rd., Surry, Va. 23883 Unit One  
Name Address  
3. Work Performed by Virginia Power Repair Organization P.O. No., Job No., etc. WO#00384251-02, RR#98-140  
Same as above Name Address Type Code Symbol Stamp NA  
Address Authorization No. NA  
Expiration Date NA

4. Identification of System Relief Valve

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
Relief Valve	Crosby	N72390-00-0003	NA	1-CH-RV-1203	NA	Replacement	No

7. Description of Work Replace relief valve. (Completed 11/3/98).

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# SY-09865

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 ISI ENGINEER Date 12/17, 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 in this Owner's Report during the period 11/3/98 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/21 19 98

**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 12/15/98  
Name  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address  
2. Plant Surry Power Station Sheet 1 of 1  
Name Unit One  
5570 Hog Island Rd., Surry, Va. 23883  
Address WO#00399726-01, RR#98-143  
3. Work Performed by Virginia Power Repair Organization P.O. No., Job No., etc.  
Name NA  
Same as above Type Code Symbol Stamp NA  
Address Authorization No. NA  
Expiration Date NA

4. Identification of System Feedwater

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
5/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-FW-61	NA	Replacement	No

7. Description of Work Replace fasteners. (Completed 11/3/98).

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 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 12/1/98

Sheet 1 of 1

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

Unit One

WO#00399729-01, RR#98-144  
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 Main Steam

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 & Nuts	Mackson, Inc.	NA	NA	1-EW-62	NA	Replacement	No

7. Description of Work Replace cap 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)

PO# CNT-578078 (studs), CNT-569504 (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 [Signature] Date 12/1, 1998
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in this Owner's Report during the period 11/3/98 to 12/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Va. 883
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/9 1998

**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 11/25/98

Sheet 1 of 1

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

Unit One

WO#00399072-01, RR#98-145  
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 through N-12 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)
Bolts	Westinghouse	Part # 651B293H11	NA	1-RC-E-1C	NA	Replacement	No

7. Description of Work Replace handhole gasket.

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# SNT-392192

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. Brown ISI ENGINEER Date 11/25, 1998
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in this Owner's Report during the period 11/6/98 to 12/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/9 1998

**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 12/15/98  
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 Unit One  
Address  
WO#00384505-01, RR#98-146  
Repair Organization P.O. No., Job No., etc.  
NA  
3. Work Performed by Virginia Power Type Code Symbol Stamp  
Name  
Same as above Authorization No. NA  
Address Expiration Date NA

4. Identification of System Blowdown

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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)
Snubber	Anchor/Darling	1117	NA	1-BD-MSS-10	NA	Replacement	No

7. Description of Work Replace snubber. (Completed 11/6/98).

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# SSY-339188

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 TSE Engineer Date 12/15, 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 in this Owner's Report during the period 11/6/98 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/21 19 98

**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 12/15/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1  
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00384511-01, RR#98-147  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_  
3. Work Performed by Virginia Power Type Code Symbol Stamp \_\_\_\_\_  
Name \_\_\_\_\_  
Authorization No. NA  
Expiration Date NA  
Address \_\_\_\_\_  
Same as above

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code B31.1 1955 Edition, NA Addenda, N-1 through N-13 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)
Snubber	Anchor/Darling	1383	NA	1-RC-MSS-10C	NA	Replacement	No

7. Description of Work Replace snubber. (Completed 11/6/98).

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# SSY-391972

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 [Signature] ISI ENGINEER Date 12/15, 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 in this Owner's Report during the period 11/6/98 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Va. 883
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/21 19 98

**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 12/4/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00381846-01, RR#98-150  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_
3. Work Performed by Virginia Power Type Code Symbol Stamp \_\_\_\_\_  
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 through N-12 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.	NA	NA	1-MS-SV-101A	NA	Replacement	No
Nuts	Mackson, Inc.	NA	NA	1-MS-SV-101A	NA	Replacement	No

7. Description of Work Replace fasteners. (Completed 11/14/98).
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)

BNT-467064 (1 1/4" nuts), CNT-575889 (1 1/4" studs)

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 [Signature] ISI ENGINEER Date 12/4, 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 in this Owner's Report during the period 11/11/98 to 12/7/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions Va. 883
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/7 19 98

**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 12/4/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00397914-01, RR#98-151  
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 through N-13 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.	NA	NA	1-MS-SV-101B	NA	Replacement	No
Nuts	Mackson, Inc.	NA	NA	1-MS-SV-101B	NA	Replacement	No

7. Description of Work Replace fasteners. (Completed 11/14/98).
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 12/15/98  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Name Address  
2. Plant Surry Power Station Sheet 1 of 1  
5570 Hog Island Rd., Surry, Va. 23883 Unit One  
Name Address  
3. Work Performed by Virginia Power Repair Organization P.O. No., Job No., etc. WO#00381848-01, RR#98-152  
Name Address Type Code Symbol Stamp NA  
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 through N-13 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 1/4" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-101C	NA	Replacement	No

Replace fasteners. (Completed 11/14/98).

7. Description of Work \_\_\_\_\_

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

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

BNT-467064 (nuts), CNT-575889 (studs)

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. Rogers ISI ENGINEER Date 12/16, 1998
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in this Owner's Report during the period 11/11/98 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W. H. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/21 1998

**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 12/1/98  
Sheet 1 of 1

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

Unit One  
WO#00381849-01, RR#98-153  
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 Main Steam

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-102A	NA	Replacement	No

7. Description of Work Replace inlet flange 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)

PO# CNT-575813 (studs), BNT-467650 (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. Logan ISI ENGINEER Date 12/1, 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 in this Owner's Report during the period 11/11/98 to 12/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature] Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/9 19 98

**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 12/8/98  
Name 5000 Dominion Blvd., Glen Allen, Va. 23060  
Address Surry Power Station  
2. Plant Surry Power Station Sheet 1 of 1  
Name 5570 Hog Island Rd., Surry, Va. 23883 Unit One  
Address Virginia Power WO#00397915-01, RR#98-154  
3. Work Performed by Same as above Repair Organization P.O. No., Job No., etc. NA  
Name Same as above Type Code Symbol Stamp NA  
Address Same as above 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 through N-13 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 3/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-102B	NA	Replacement	No

Replace fasteners. (Completed 11/14/98).

7. Description of Work \_\_\_\_\_

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

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



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

1. Owner Virginia Electric and Power Co. Date 12/15/98  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
2. Plant Surry Power Station Sheet 1 of 1  
5570 Hog Island Rd., Surry, Va. 23883 Unit One  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Virginia Power WO#00381851-01, RR#98-155  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_  
3. Work Performed by \_\_\_\_\_ Type Code Symbol Stamp \_\_\_\_\_  
Name \_\_\_\_\_ Authorization No. \_\_\_\_\_  
Same as above Expiration Date NA  
Address \_\_\_\_\_  
4. Identification of System Main Steam  
5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 3/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-102C	NA	Replacement	No

7. Description of Work Replace fasteners. (Completed 11/14/98).

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)

BNT-467650 (nuts), CNT-575813 (studs)

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 I.S.I. ENGINEER Date 12/15, 1998
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in this Owner's Report during the period 11/21/98 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

R.L. Smith Commissions Va. 883
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/21 1998

**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 12/1/98

Sheet 1 of 1

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

Unit One

WO#00381852-01, RR#98-156  
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 Main Steam

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-12 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 & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-103A	NA	Replacement	No

7. Description of Work Replace inlet flange 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)

PO# CNT-575813 (studs), BNT-467650 (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 W.L. Rozen ISI ENGINEER Date 12/1, 1998
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in this Owner's Report during the period 11/11/98 to 12/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W.L. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/9 1998

**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 12/8/98  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Name Address  
2. Plant Surry Power Station Sheet 1 of 1  
5570 Hog Island Rd., Surry, Va. 23883 Unit One  
Name Address  
3. Work Performed by Virginia Power Repair Organization P.O. No., Job No., etc. WO#00397916-01, RR#98-157  
Name Address Type Code Symbol Stamp NA  
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 through N-13 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 3/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-103B	NA	Replacement	No

Replace fasteners. (Completed 11/14/98).

7. Description of Work \_\_\_\_\_

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

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



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

<b>1. Owner</b> <u>Virginia Electric and Power Co.</u> Name <u>5000 Dominion Blvd., Glen Allen, Va. 23060</u> Address	Date <u>12/15/98</u> Sheet <u>1</u> of <u>1</u> Unit <u>One</u> <u>WO#00381854-01, RR#98-158</u> Repair Organization P.O. No., Job No., etc. <u>NA</u>
<b>2. Plant</b> <u>Surry Power Station</u> Name <u>5570 Hog Island Rd., Surry, Va. 23883</u> Address	Type Code Symbol Stamp <u>NA</u> Authorization No. <u>NA</u> Expiration Date <u>NA</u>
<b>3. Work Performed by</b> <u>Virginia Power</u> Name <u>Same as above</u> Address	
<b>4. Identification of System</b> <u>Main Steam</u>	

**5. (a) Applicable Construction Code** B31.1 **19** 55 **Edition,** NA **Addenda,** N-1 through N-13 **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 3/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-103C	NA	Replacement	No

**7. Description of Work** Replace fasteners. (Completed 11/14/98).

**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)

BNT-467650 (nuts), CNT-575813 (studs)

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. Rogers ISI ENGINEER Date 12/15, 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 in this Owner's Report during the period 11/11/98 to 12/21/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/21 19 98

**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 12/1/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_
2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00381855-01, RR#98-159  
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 through N-11 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 99

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-104A	NA	Replacement	No

7. Description of Work Replace inlet flange 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)

PO# CNT-575813 (studs), BNT-467650 (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 W.L. Rozen ISI ENGINEER Date 12/1, 1998
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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

have inspected the components described in this Owner's Report during the period 11/11/98 to 12/9/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/9 1998

**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 12/8/98  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Name \_\_\_\_\_  
Address \_\_\_\_\_

2. Plant Surry Power Station Sheet 1 of 1  
5570 Hog Island Rd., Surry, Va. 23883  
Name \_\_\_\_\_  
Address \_\_\_\_\_

3. Work Performed by Virginia Power Unit One  
Name \_\_\_\_\_  
Same as above  
Address \_\_\_\_\_

Repair Organization P.O. No., Job No., etc. WO#00397917-01, RR#98-160  
Type Code Symbol Stamp NA  
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 through N-13 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 3/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-104B	NA	Replacement	No

Replace fasteners. (Completed 11/14/98).

7. Description of Work \_\_\_\_\_

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

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



**FORM NIS-2 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 12/15/98  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Name Address  
2. Plant Surry Power Station Sheet 1 of 1  
5570 Hog Island Rd., Surry, Va. 23883 Unit One  
Name Address  
3. Work Performed by Virginia Power Repair Organization P.O. No., Job No., etc. WO#00381857-01, RR#98-161  
Name Address Type Code Symbol Stamp NA  
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 through N-13 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 3/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-104C	NA	Replacement	No

7. Description of Work Replace fasteners. (Completed 11/14/98).

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 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 12/15/98  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Name \_\_\_\_\_ Address \_\_\_\_\_  
2. Plant Surry Power Station Sheet 1 of 1  
5570 Hog Island Rd., Surry, Va. 23883 Unit One  
Name \_\_\_\_\_ Address \_\_\_\_\_  
3. Work Performed by Virginia Power Repair Organization P.O. No., Job No., etc. WO#00381858-01, RR#98-162  
Name \_\_\_\_\_ Type Code Symbol Stamp \_\_\_\_\_  
Same as above Authorization No. \_\_\_\_\_  
Address \_\_\_\_\_ Expiration Date NA

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 3/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-105A	NA	Replacement	No

Replace fasteners. (Completed 11/14/98).

7. Description of Work \_\_\_\_\_

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

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



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

1. Owner Virginia Electric and Power Co. Date 12/8/98  
Name \_\_\_\_\_  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Address \_\_\_\_\_  
Sheet 1 of 1

2. Plant Surry Power Station Unit One  
Name \_\_\_\_\_  
5570 Hog Island Rd., Surry, Va. 23883  
Address \_\_\_\_\_  
WO#00397918-01, RR#98-163  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Power Type Code Symbol Stamp \_\_\_\_\_  
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 through N-13 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 3/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-105B	NA	Replacement	No

7. Description of Work Replace fasteners. (Completed 11/14/98).

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)

BNT-467650 (nuts), CNT-575813 (studs)

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. Boyer IST ENGINEER Date 12/8, 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 in this Owner's Report during the period 11/11/98 to 12/8/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W. L. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/8 19 98

**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 12/8/98  
5000 Dominion Blvd., Glen Allen, Va. 23060  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
2. Plant Surry Power Station Sheet 1 of 1  
5570 Hog Island Rd., Surry, Va. 23883 Unit One  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Virginia Power WO#00381860-01, RR#98-164  
Repair Organization P.O. No., Job No., etc. \_\_\_\_\_  
3. Work Performed by \_\_\_\_\_ Type Code Symbol Stamp \_\_\_\_\_  
Name \_\_\_\_\_ Authorization No. \_\_\_\_\_  
Same as above Expiration Date NA  
Address \_\_\_\_\_

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.1 19 55 Edition, NA Addenda, N-1 through N-13 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 3/8" Studs & Nuts	Mackson, Inc.	NA	NA	1-MS-SV-105C	NA	Replacement	No

Replace fasteners. (Completed 11/14/98).

7. Description of Work \_\_\_\_\_

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

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

FORM NIS-2 (Back)

BNT-467650 (nuts), CNT-575813 (studs)

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. Brown IST ENGINEER Date 12/8, 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 in this Owner's Report during the period 11/11/98 to 12/8/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature W.L. Smith Commissions Va. 883 National Board, State, Province, and Endorsements

Date 12/8 19 98