

**ATTACHMENT 1**

**1995 UNIT 2 REFUELING OUTAGE  
INSERVICE INSPECTION SUMMARY REPORT**

**OWNER'S REPORT FOR INSERVICE INSPECTIONS**

**NORTH ANNA PCWER STATION - UNIT 2  
P.O. BOX 402  
MINERAL, VA 23117**

**COMMERCIAL SERVICE DATE 12-14-80**

**MAY 30, 1995**

**VIRGINIA ELECTRIC AND POWER COMPANY  
5000 DOMINION BOULEVARD  
GLEN ALLEN, VA 23060**

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

1. Owner Virginia Electric & Power Company, 5000 Dominion Blvd., Glen Allen, VA 23060  
 (Name and Address of Owner)
2. Plant North Anna Power Station, P.O. Box 402, Mineral, VA 23117  
 (Name and Address of Plant)
3. Plant Unit Unit 2 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 12-14-80 6. National Board Number for Unit N/A
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
'A' Charging Pump	Pacific Pumps	N/A	N/A	N/A
'A' Low Head SI Pump	Ingersol- Rand	VGB-SIAPLH-02	N/A	N/A
'A' Outside Recirc. Spray Pump	Bingham Willamette	200469	N/A	157
'A' PZR Safety	Dresser	BM06917	N/A	N/A
'A' RHR Heat Exchanger	Joseph Oat & Sons, Inc.	1832-5	VA 61417	372
'A' Seal Water Injection Filter	Comercial Filters Division	19046-1967	N/A	1465
'A' Steam Generator	Westinghouse Electric Corp.	1281	VA 61431	6895
'B' Cold Leg Loop Stop Valve	Westinghouse	N/A	N/A	N/A
'B' Hot Leg Loop Stop Valve	Westinghouse	N/A	N/A	N/A
'B' Loop Bypass Valve	Edwards Valves Inc.	N/A	N/A	N/A
'B' RHR Heat Exchanger	Joseph Oat & Sons, Inc.	1832-6	VA 61416	373
'B' RHR Pump	Ingersol-Rand	N/A	N/A	N/A
'B' Reactor Coolant Pump	Westinghouse Electric Corp.	820	N/A	N/A
'B' Steam Generator	Westinghouse Electric Corp.	1282	VA 61432	6896
'C' Reactor Coolant Pump	Westinghouse Electric Corp.	710	N/A	N/A
'C' Steam Generator	Westinghouse Electric Corp.	1283	VA 61433	6897

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



FORM NIS-1 (Back)

8. Examination Dates 11/24/93 to 5/30/95
9. Inspection Period Identification Second
10. Inspection Interval Identification Second
11. Applicable Edition of Section XI 1986 Addenda None
12. Date/Revision of Inspection Plan 12/27/94 Rev 6 Change Notice 95-03
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. Attachment 1 pages 10-21
14. Abstract of Results of Examinations and Tests.  
Attachment 1 pages 7-21
15. Abstract of Corrective Measures.  
Attachment 1 pages 7 and 8

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

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

Date June 22, 19 95 Signed VIRGINIA ELECTRIC & POWER COMPANY By Emmet W. Thandemakun, Jr.  
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H. S. B. I. & I. of Hertford, CT have inspected the components described in this Owner's Report during the period 11/24/93 to 5/30/95, 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.

Mark M. Haa Commissions NB9531 VA924 I, N, A  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 22 19 95

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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
12050-WMKS-0103AD & SW-3	Southwest Fabricating	2558	N/A	N/A
12050-WMKS-0103AD SW-56	Southwest Fabricating	2375	N/A	N/A
12050-WMKS-0103AE SW-8	Southwest Fabricating	2722	N/A	N/A
12050-WMKS-0103AF 15 & 22A	Southwest Fabricating	2374	N/A	N/A
12050-WMKS-0103AF SW-53	Southwest Fabricating	2408	N/A	N/A
12050-WMKS-0103AJ-1 SW-5W	Southwest Fabricating	2411	N/A	N/A
12050-WMKS-0103AJ-2 SW-1W	Southwest Fabricating	2410	N/A	N/A
12050-WMKS-0103AP SW-96 & SW-97	Southwest Fabricating	2845	N/A	N/A
12050-WMKS-0103AQ SW-13W & SW-29W	Southwest Fabricating	2422	N/A	N/A
12050-WMKS-0103AR SW-79 & SW-80	Southwest Fabricating	2836	N/A	N/A
12050-WMKS-0103AR SW-90	Southwest Fabricating	2839	N/A	N/A
12050-WMKS-0103AT SW-54	Southwest Fabricating	2781	N/A	N/A
12050-WMKS-0103AT SW-65	Southwest Fabricating	3050	N/A	N/A
12050-WMKS-0103AY SW-33	Southwest Fabricating	4907	N/A	N/A
12050-WMKS-0103AY SW-35	Southwest Fabricating	4905	N/A	N/A
12050-WMKS-0103BA SW-46	Southwest Fabricating	4900	N/A	N/A

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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
12050-WMKS-0103BA SW-51	Southwest Fabricating	4903	N/A	N/A
12050-WMKS-0103BF SW-52	Southwest Fabricating	2719	N/A	N/A
12050-WMKS-0103BN SW-54	Southwest Fabricating	2552	N/A	N/A
12050-WMKS-0109F-2 SW-23, & SW-24	Southwest Fabricating	305	N/A	N/A
12050-WMKS-0109F-2 SW-25	Southwest Fabricating	305	N/A	N/A
12050-WMKS-0109F-2 SW-42 & SW-43	Southwest Fabricating	287	N/A	N/A
12050-WMKS-0109F-2 SW-44 & SW-45	Southwest Fabricating	287	N/A	N/A
12050-WMKS-0109F-2 SW-45	Southwest Fabricating	287	N/A	N/A
12050-WMKS-0110A-1 SW-14	Southwest Fabricating	2387	N/A	N/A
12050-WMKS-0110A-1 SW-17 & SW-19	Southwest Fabricating	2388	N/A	N/A
12050-WMKS-0110A-1 SW-24	Southwest Fabricating	2388	N/A	N/A
12050-WMKS-0110C 45H	Southwest Fabricating	2396	N/A	N/A
12050-WMKS-0110C 60	Southwest Fabricating	2394	N/A	N/A
12050-WMKS-0110C 61	Southwest Fabricating	2398	N/A	N/A
12050-WMKS-0110C SW-74	Southwest Fabricating	2395	N/A	N/A
12050-WMKS-0110D SW-96	Southwest Fabricating	2399	N/A	N/A

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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
12050-WMKS-0111AD-2 SW-31	Southwest Fabricating	3027	N/A	N/A
12050-WMKS-0111AD-3 SW-28	Southwest Fabricating	2973	N/A	N/A
12050-WMKS-0113A-4 SW-24 & SW-26	Southwest Fabricating	5745	N/A	N/A
12050-WMKS-0113A-4 SW-26	Southwest Fabricating	5745	N/A	N/A
12050-WMKS-0113C-1 SW-20	Southwest Fabricating	2704	N/A	N/A
2-RH-MOV-2701	Copes Vulcan	N/A	N/A	N/A
2-RH-MOV-2720A	Anchor Darling	N/A	N/A	N/A
Boron Injection Tank	Struther Wells Corp.	2-70-07-30717-	VA 59700	13351
Check Valve 2-SI-105	Velan Valves	N/A	N/A	N/A
Check Valve 2-SI-106	Velan Valves	N/A	N/A	N/A
Check Valve 2-SI-112	Velan Valves	N/A	N/A	N/A
Check Valve 2-SI-117	Velan Valves	N/A	N/A	N/A
Check valve 2-SI-124	Velan Valves	N/A	N/A	N/A
Check valve 2-SI-125	Velan Valves	N/A	N/A	N/A
Check valve 2-SI-185	Anchor Darling Industries	N/A	N/A	N/A
Class 1 Component Supports	Stone & Webster Eng. Corp.	N/A	N/A	N/A

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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Class 1 Piping Non-Serialized	Stone & Webster Eng. Corp.	N/A	N/A	N/A
Class 2 Component Supports	Stone & Webster Eng. Corp.	N/A	N/A	N/A
Class 2 Piping Non-Serialized	Stone & Webster Eng. Corp.	N/A	N/A	N/A
Excess Letdown Heat Exchanger	Atlas Ind. Mfg. Co.	1307	VA 61436	1126
Pressurizer	Westinghouse Electric Corp.	1291	VA 61434	68-104
Reactor Vessel	RDM Rotterdam	30662	VA 61445	N/A

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Virginia Electric and Power Company  
North Anna Power Station

Unit 2

1995 Refueling Outage  
2nd Interval, 2nd Period

Introduction

This report includes the Interval 2 inservice examinations of Class 1 and Class 2, components, piping and component supports that were conducted at North Anna Power Station Unit 2 from October 24, 1993 to May 30, 1995. The examinations during the second interval were performed to meet the requirements of ASME Section XI, 1986 Edition.

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

Inspections, witnessing, and surveillance of the examinations and related activities were conducted by personnel from the Hartford Steam Boiler Inspection and Insurance Company, One State Street, Hartford, CT 06102 (M. M. Grace and Carlos S. Colarte), North Anna Power Station Quality Assurance Department, and the North Anna Power Station technical staff.

Examinations

Examinations were conducted to review as much of the examination zones as was practical within geometric, metallurgical and physical limitations. When the required ultrasonic examination volume or area could not be examined 100%, the examination method was evaluated and alternate beam angles or methods were considered in an attempt to achieve the maximum examination volume. However, where 100% examination was not possible the examination was considered to be partial and so noted on the examination report. Where the reduction in coverage was 10% or greater, per Code Case N-460, a subsequent relief request will be submitted.



## Results

Examinations of components and component supports resulted in nine components being reported on the basis of procedure reporting criteria.

A summary of the indications and their dispositions follows:

- A) A loose jam nut and improper spring settings were found on component support 2-SHP-SH-46 on 12050-WMKS-101B, Class 2. The support was determined to be inoperable. The jam nut was tightened and the spring setting adjusted under work order 316417-01. In accordance with IWF-2430(a) the adjacent supports, 2-SHP-HSS-207 and 2-SHP-PEN-74 on 12050-WMKS-101B, and one additional supports, 2-SHP-SH-118 on 12050-WMKS-101GA, were examined and found to be acceptable. In accordance with the requirements of subparagraph IWF-2420(b), this component support will be reexamined during the next inspection period.
- B) Improper spring settings were found on component support 2-SHP-SH-38 on 12050-WMKS-102C, Class 2. The settings were determined to be acceptable since the examination was performed when the system was empty. A copy of the evaluation is included in Attachment 3 pages 2 through 4
- C) Evidence of coolant leakage was noted on flange bolts FB-FLG-1 on 12050-WMKS-103AP, Class 1. The corroded bolting was replaced by Repair and Replacement 95-230. In accordance with IWB-2430(a) the following additional examinations were performed and found to be acceptable.

### Period 2 items

12050-WMKS-0103AT	FB-FLG-2
12050-WMKS-0110A-1	FB-2551B

### Period 3 items

12050-WMKS-0103AP	FB-FLG-2
12050-WMKS-0103AR	FB-FLG-2
12050-WMKS-0110A-1	FB-2551C
12050-WMKS-0111AD-1	FLANGE

- D) A bend of approximately 2° at the juncture of the upper extension rod and lock nut on component support 2-CH-R-27 on 12050-WMKS-103BJ, Class 1. The threads were exposed to check for cross threading. The support was found to be acceptable upon reexamination.
- E) The spring size shown on drawing 12050-PSSK-110C.06 did not agree with the installed spring for 2-RC-SH-26 on 12050-WMKS-110C, Class 1. The condition was determined to be acceptable. The drawing will be revised. The evaluation is included in Attachment 3 pages 5 and 6.

- F) Spring hanger, 2-RC-SH-563 on 12050-WMKS-111AAG, Class 1, was reported to be installed at an angle. The condition was evaluated and determined to be acceptable for continued operation. The spring hanger was realigned under work order 316145-01 and found to be acceptable upon reexamination.
- G) Heavy corrosion on clamp bolting was noted on component support 2-RC-R-1 on 12050-WMKS-0111AD-2, Class 1. The rust was removed and the support found to be acceptable upon reexamination.
- H) One hex nut and four washers were found missing on component support 2-CH-R-1 on 12050-WMKS-111W, Class 1. The support was determined to be inoperable. The missing bolting material was installed under Repair and Replacement Program 95-167. In accordance with subparagraph IWF-2430(a) the adjacent supports, 2-CH-R-2 and 2-SI-SH-1 on 12050-WMKS-111W, and two additional supports, 2-CH-R-171 and 2-CH-R-177 both on 12050-WMKS-107AAP, were examined and found to be acceptable. In accordance with the requirements of subparagraph IWF-2420(b), this component support will be reexamined during the next inspection period.
- I) Heavy corrosion was found on pump support FOOT "A" of 12050-WMKS-RH-P-1B, Class 2. The corrosion was removed and the support found to be acceptable upon reexamination.

#### Resolution of Previous NIS-1 commitments

The following is a synopsis of open commitments made in previous NIS-1 submittals and their status:

1. Letter Serial No. 92-442 Attachment 1, page 10:

A commitment was made to examine the bonnet bolting of 2-SI-153 on 12050-WMKS-0113A-4 during the next three inspection periods due to lack of thread engagement for 14 nuts found during the 1992 refueling outage. The condition was determined to be acceptable and no corrective action was necessary. The bonnet bolting was examined this outage and lack of thread engagement was noted for 12 nuts. The condition was corrected by retorquing bolting under work order 316396-01. The bonnet bolting was found to be acceptable upon reexamination. No further action is required.

2. Letter Serial No. 94-002 Attachment 1, pages 11 and 12:

A commitment was made to submit a relief request detailing the limitations for any exam not achieving 90% of the required coverage.

Attachment 1	page 11	12050-WMKS-0109E-2	SW-11
Attachment 1	page 11	12050-WMKS-0109E-2	SW-12
Attachment 1	page 11	12050-WMKS-0109E-2	SW-41
Attachment 1	page 11	12050-WMKS-0109E-2	SW-42
Attachment 1	page 11	12050-WMKS-0109E-2	SW-43
Attachment 1	page 12	12050-WMKS-CH-E-2	1
Attachment 1	page 12	12050-WMKS-CH-E-2	2
Attachment 1	page 12	12050-WMKS-RC-E-2	8
Attachment 1	page 12	12050-WMKS-RH-E-1B	WS-2

Relief Request NDE-20 was submitted by Letter Serial No. 94-86.

3. Letter Serial No. 94-002 Attachment 1, page 8:

A commitment was made to examine the following welds in the second period.

12050-WMKS-0101A-1	10
12050-WMKS-0102A	SW-41
12050-WMKS-0102B	SW-27
12050-WMKS-0102C	SW-36

Weld 10 on 12050-WMKS-0101A-1 has been substituted with weld 27 on the same drawing and is scheduled for the second period. The remaining three welds are also scheduled for the second period.

Analytical Evaluations

No analytical evaluations were performed.

Evaluation Analyses

Two evaluation analysis were performed for visual indications and are included as Attachment 3.

Statement of Interval Status

Virginia Electric and Power has completed 53% of Second 10-Year Interval Section XI requirements.

Abstract of Examinations Performed  
IWB, IWC & IWF

The exams were performed to satisfy the second period requirements.

DRAWING NUMBER	MARK NUMBER	LINE NUMBER	SECT XI CLASS	SECT XI CATEGORY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
12050-WMKS-0101A-1	2-SHP-R-216	32'-SHP-401-601-Q2	2A	F-B	F2.0	VT-3	03/28/95	Y
12050-WMKS-0101A-1	27	32'-SHP-401-601-Q2	2A	C-F-2	C5.51	MT/UT	04/21/95	Y
12050-WMKS-0101A-1	LS-26W(27)	32'-SHP-401-601-Q2	2A	C-F-2	C5.52	MT/UT	04/21/95	Y
12050-WMKS-0101A-1	SW-4W	32'-SHP-422-601-Q2	2A	C-F-2	C5.81	MT	04/05/95	Y
12050-WMKS-0101A-1	SW-96	32'-SHP-422-601-Q2	2A	C-F-2	C5.81	MT	04/05/95	Y
12050-WMKS-0101A-2	2-SHP-HSS-30A	32'-SHP-402-601-Q2	2A	F-C	F3.0	VT-3	04/17/95	Y
12050-WMKS-0101A-2	51	32'-SHP-402-601-Q2	2A	C-F-2	C5.51	MT/UT	04/24/95	Y
12050-WMKS-0101A-2	LS-114W(SW-99W)	32'-SHP-423-601-Q2	2A	C-F-2	C5.82	MT	04/20/95	Y
12050-WMKS-0101A-2	SW-99W	32'-SHP-423-601-Q2	2A	C-F-2	C5.81	MT	04/20/95	Y
12050-WMKS-0101B	2-SHP-HSS-207	32'-SHP-401-601-Q2	2A	F-C	F3.0	VY-3	04/13/95	E2
12050-WMKS-0101B	2-SHP-PEN-74	32'-SHP-401-601-Q2	2A	F-A	F1.0	VT-3	04/13/95	E2
12050-WMKS-0101B	2-SHP-SH-46	32'-SHP-401-601-Q2	2A	F-C	F3.0	VT-3	03/28/95	Y
12050-WMKS-0101GA	2-SHP-SH-118	6'-SHP-437-601-Q2	2A	F-C	F3.0	VT-3	04/23/95	E2
12050-WMKS-0101GB	1	6'-SHP-438-601-Q2	2A	C-F-2	C5.51	MT & UT	05/04/95	Y
12050-WMKS-0102A	SW-31	16'-WFPD-424-601-Q2	2A	C-C	C3.20	MT	04/25/95	Y
12050-WMKS-0102B	2-WFPD-HSS-632	16'-WFPD-423-601-Q2	2A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0102B	SW-25	16'-WFPD-423-601-Q2	2A	C-C	C3.20	MT	04/25/95	Y
12050-WMKS-0102C	13A	16'-WFPD-422-601-Q2	2A	C-F-2	C5.51	MT & UT	04/04/95	Y
12050-WMKS-0102C	2-WFPD-SH-38	16'-WFPD-422-601-Q2	2A	F-C	F3.0	VT-3	04/24/95	Y
12050-WMKS-0102C	SW-30	16'-WFPD-422-601-Q2	2A	C-F-2	C5.51	MT & UT	04/25/95	Y
12050-WMKS-0102C	SW-31	16'-WFPD-422-601-Q2	2A	C-C	C3.20	MT	04/25/95	Y
12050-WMKS-0103AA	5	6'-SI-416-1502-Q1	2A	C-F-1	C5.11	PT & UT	04/26/95	Y
12050-WMKS-0103AA	SW-25	6'-SI-419-1502-Q1	2A	C-F-1	C5.11	PT & UT	04/26/95	Y
12050-WMKS-0103AA	SW-84	6'-SI-421-1502-Q1	2A	C-F-1	C5.11	PT & UT	04/05/95	Y
12050-WMKS-0103AD	1	6'-RC-418-1502-Q1	1A	B-J	B9.11	PT & UT	04/04/95	Y
12050-WMKS-0103AD	2-SI-117-BOLTING	6'-SI-419-1502-Q1	1A	B-G-2	B7.70	VT-1	04/01/95	Y
12050-WMKS-0103AD	2-SI-HSS-419.04	6'-SI-419-1502-Q1	1A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0103AD	2-SI-R-1	2'-SI-459-1502-Q1	1A	F-A	F1.0	VT-3	03/27/95	Y
12050-WMKS-0103AD	46	6'-SI-419-1502-Q1	2A	C-F-1	C5.11	PT & UT	04/04/95	Y
12050-WMKS-0103AD	SW-3	6'-RC-418-1502-Q1	1A	B-J	B9.11	PT & UT	04/04/95	Y
12050-WMKS-0103AD	SW-56	2'-SI-459-1502-Q1	1A	B-J	B9.40	PT	04/10/95	Y
12050-WMKS-0103AE	20	2'-CH-409-1502-Q1	1A	B-J	B9.40	PT	04/03/95	Y
12050-WMKS-0103AE	4	2'-RC-599-1502-Q1	1A	B-J	B9.40	PT	04/03/95	Y
12050-WMKS-0103AE	SW-8	2'-RC-599-1502-Q1	1A	B-J	B9.40	PT	04/03/95	Y
12050-WMKS-0103AF	15	2'-SI-459-1502-Q1	1A	B-J	B9.21	PT	04/11/95	Y
12050-WMKS-0103AF	2-SI-R-17	2'-SI-463-1502-Q1	1A	F-A	F1.0	VT-3	03/29/95	Y
12050-WMKS-0103AF	22A	2'-SI-459-1502-Q1	1A	B-J	B9.40	PT	04/11/95	Y
12050-WMKS-0103AF	24	2'-SI-463-1502-Q1	1A	B-J	B9.40	PT	04/11/95	Y
12050-WMKS-0103AF	26	3'-SI-457-1502-Q1	1A	B-J	B9.21	PT	04/11/95	Y
12050-WMKS-0103AF	32	2'-SI-459-1502-Q1	1A	B-J	B9.40	PT	04/11/95	Y
12050-WMKS-0103AF	SW-53	2'-SI-463-1502-Q1	1A	B-J	B9.40	PT	04/11/95	Y
12050-WMKS-0103AG	2-SI-124	6'-SI-421-1502-Q1	1A	B-M-2	B12.50	VT-3	04/07/95	Y
12050-WMKS-0103AH	2-SI-112-BOLTING	6'-SI-416-1502-Q1	1A	B-G-2	B7.70	VT-1	03/30/95	Y
12050-WMKS-0103AH	2-SI-125	6'-SI-416-1502-Q1	1A	B-M-2	B12.50	VT-3	05/04/95	Y
12050-WMKS-0103AH	2-SI-R-3	2'-SI-463-1502-Q1	1A	F-A	F1.0	VT-3	04/10/95	Y
12050-WMKS-0103AJ-1	2-SI-A-6	2'-SI-461-1502-Q1	1A	F-A	F1.0	VT-3	03/29/95	Y
12050-WMKS-0103AJ-1	3	2'-SI-461-1502-Q1	1A	B-J	B9.40	PT	04/10/95	Y
12050-WMKS-0103AJ-1	SW-5W	2'-SI-461-1502-Q1	1A	B-J	B9.40	PT	04/10/95	Y
12050-WMKS-0103AJ-2	2-SI-R-142	3'-SI-539-1502-Q1	1A	F-A	F1.0	VT-3	03/28/95	Y
12050-WMKS-0103AJ-2	73	3'-SI-539-1502-Q1	1A	B-J	B9.21	PT	04/05/95	Y
12050-WMKS-0103AJ-2	SW-1W	3'-SI-457-1502-Q1	1A	B-J	B9.21	PT	04/14/95	Y
12050-WMKS-0103AP	2-CH-HSS-492.42B	2'-CH-492-1502-Q1	1A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0103AP	30	2'-CH-492-1502-Q1	1A	B-J	B9.40	PT	04/24/95	Y
12050-WMKS-0103AP	62	2'-CH-492-1502-Q1	1A	B-J	B9.40	PT	04/10/95	Y
12050-WMKS-0103AP	76	2'-CH-492-1502-Q1	1A	B-J	B9.40	PT	04/10/95	Y
12050-WMKS-0103AP	FB-FLG-1	2'-CH-492-1502-Q1	1A	B-G-2	B7.50	VT-1	04/24/95	Y
12050-WMKS-0103AP	FB-FLG-2	1 1/2'-CH-796-1502-Q1	1A	B-G-2	B7.50	VT-1	05/18/95	E3
12050-WMKS-0103AP	SW-96	2'-CH-492-1502-Q1	1A	B-J	B9.40	PT	04/10/95	Y
12050-WMKS-0103AP	SW-97	2'-CH-492-1502-Q1	1A	B-J	B9.40	PT	04/10/95	Y
12050-WMKS-0103AQ	2	2'-CH-492-1502-Q1	1A	B-J	B9.40	PT	04/05/95	Y
12050-WMKS-0103AQ	3	2'-CH-492-1502-Q1	1A	B-J	B9.40	PT	04/05/95	Y



DRAWING NUMBER	MARK NUMBER	LINE NUMBER	SECT XI CLASS	SECT XI CATEGORY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
12050-WMKS-0103AQ	SW-13W	2'-CH-492-1502-Q1	1A	B-J	B9.40	PT	04/08/95	Y
12050-WMKS-0103AQ	SW-29W	2'-CH-492-1502-Q1	1A	B-J	B9.40	PT	04/05/95	Y
12050-WMKS-0103AR	50	2'-CH-494-1502-Q1	1A	B-J	B9.40	PT	04/03/95	Y
12050-WMKS-0103AR	59A	1 1/2'-CH-797-1502-Q1	1A	B-J	B9.40	PT	04/24/95	Y
12050-WMKS-0103AR	72	2'-CH-494-1502-Q1	1A	B-J	B9.40	PT	04/11/95	Y
12050-WMKS-0103AR	73	2'-CH-494-1502-Q1	1A	B-J	B9.40	PT	04/11/95	Y
12050-WMKS-0103AR	FB-FLG-2	2'-CH-494-1502-Q1	1A	B-G-2	B7.50	VT-1	05/18/95	E3
12050-WMKS-0103AR	SW-79	2'-CH-494-1502-Q1	1A	B-J	B9.40	PT	04/11/95	Y
12050-WMKS-0103AR	SW-80	2'-CH-494-1502-Q1	1A	B-J	B9.40	PT	04/11/95	Y
12050-WMKS-0103AR	SW-90	2'-CH-494-1502-Q1	1A	B-J	B9.40	PT	04/17/95	Y
12050-WMKS-0103AT	18	2'-CH-496-1502-Q1	1A	B-J	B9.40	PT	04/10/95	Y
12050-WMKS-0103AT	2-CH-R-25	2'-CH-496-1502-Q1	1A	F-B	F2.0	VT-3	03/29/95	Y
12050-WMKS-0103AT	FB-FLG-2	1 1/2'-CH-798-1502-Q1	1A	B-G-2	B7.50	VT-1	05/18/95	Y, E3
12050-WMKS-0103AT	SW-54	2'-CH-496-1502-Q1	1A	B-J	B9.40	PT	04/10/95	Y
12050-WMKS-0103AT	SW-65	2'-CH-496-1502-Q1	1A	B-J	B9.40	PT	04/03/95	Y
12050-WMKS-0103AY	2	2'-CH-458-1502-Q1	1A	B-J	B9.40	PT	03/30/95	Y
12050-WMKS-0103AY	2-RC-R-24	2'-RC-620-1502-Q1	1A	F-B	F2.0	VT-3	03/28/95	Y
12050-WMKS-0103AY	29	2'-RC-459-1502-Q1	1A	B-J	B9.21	PT	03/30/95	Y
12050-WMKS-0103AY	SW-33	2'-RC-620-1502-Q1	1A	B-J	B9.21	PT	03/30/95	Y
12050-WMKS-0103AY	SW-35	2'-RC-459-1502-Q1	1A	B-J	B9.21	PT	03/30/95	Y
12050-WMKS-0103AZ	18	2'-RC-618-1502-Q1	1A	B-J	B9.21	PT	04/25/95	Y
12050-WMKS-0103BA	18	3'-RC-617-1502-Q1	1A	B-J	B9.21	PT	04/03/95	Y
12050-WMKS-0103BA	19A	2'-RC-456-1502-Q1	1A	B-J	B9.21	PT	04/03/95	Y
12050-WMKS-0103BA	6	3'-RC-617-1502-Q1	1A	B-J	B9.21	PT	04/03/95	Y
12050-WMKS-0103BA	SW-46	2'-RC-456-1502-Q1	1A	B-J	B9.21	PT	04/03/95	Y
12050-WMKS-0103BA	SW-51	2'-RC-618-1502-Q1	1A	B-J	B9.21	PT	04/04/95	Y
12050-WMKS-0103B	2-SI-105-BOLTING	6'-SI-532-1502-Q1	1A	B-G-2	B7.70	VT-1	04/13/95	Y
12050-WMKS-0103BB	2-SI-91	6'-SI-531-1502-Q1	1A	B-M-2	B12.50	VT-3	04/12/95	Y
12050-WMKS-0103BB	2-SI-99	6'-SI-533-1502-Q1	1A	B-M-2	B12.50	VT-3	04/12/95	Y
12050-WMKS-0103BB	33	6'-SI-532-1502-Q1	1A	B-J	B9.32	PT	04/13/95	Y
12050-WMKS-0103BB	34	6'-SI-532-1502-Q1	1A	B-J	B9.40	PT	04/13/95	Y
12050-WMKS-0103BB	SW-79	6'-SI-531-1502-Q1	2A	C-F-1	C5.11	PT & UT	04/14/95	Y
12050-WMKS-0103BD-1	31	2'-SI-451-1502-Q1	2A	C-F-1	C5.30	PT	04/14/95	Y
12050-WMKS-0103BD-1	SW-89	2'-SI-451-1502-Q1	2A	C-F-1	C5.30	PT	04/10/95	Y
12050-WMKS-0103BD-2	SW-84	3'-SI-417-1502-Q1	2A	C-F-1	C5.21	PT & UT	04/12/95	Y
12050-WMKS-0103BF	19A	2'-CH-410-1502-Q1	1A	B-J	B9.40	PT	04/14/95	Y
12050-WMKS-0103BF	2-CH-R-16	2'-CH-410-1502-Q1	1A	F-A	F1.0	VT-3	03/29/95	Y
12050-WMKS-0103BF	2-CH-R-8	2'-CH-410-1502-Q1	1A	F-A	F1.0	VT-3	03/29/95	Y
12050-WMKS-0103BF	2-RC-R-2	2'-RC-600-1502-Q1	1A	F-A	F1.0	VT-3	03/27/95	Y
12050-WMKS-0103BF	SW-8	2'-RC-600-1502-Q1	1A	B-J	B9.40	PT	03/30/95	Y
12050-WMKS-0103BH	2-CH-A-5	2'-CH-408-1502-Q1	1A	F-A	F1.0	VT-3	03/29/95	Y
12050-WMKS-0103BH	2-CH-R-6	2'-CH-410-1502-Q1	1A	F-B	F2.0	VT-3	03/29/95	Y
12050-WMKS-0103BH	35	2'-CH-409-1502-Q1	1A	B-J	B9.40	PT	04/13/95	Y
12050-WMKS-0103BH	51A	2'-CH-408-1502-Q1	1A	B-J	B9.40	PT	04/13/95	Y
12050-WMKS-0103BJ	10	2'-CH-408-1502-Q1	1A	B-J	B9.40	PT	04/07/95	Y
12050-WMKS-0103BJ	11A	2'-CH-408-1502-Q1	1A	B-J	B9.40	PT	04/07/95	Y
12050-WMKS-0103BJ	2-CH-R-19	2'-CH-408-1502-Q1	1A	F-A	F1.0	VT-3	03/29/95	Y
12050-WMKS-0103BJ	2-CH-R-27	2'-CH-408-1502-Q1	1A	F-B	F2.0	VT-3	03/29/95	Y
12050-WMKS-0103BJ	39A	2'-CH-408-1502-Q1	1A	B-J	B9.40	PT	04/13/95	Y
12050-WMKS-0103BJ	9	2'-CH-408-1502-Q1	1A	B-J	B9.40	PT	04/07/95	Y
12050-WMKS-0103BM	2-SI-R-14E	6'-SI-531-1502-Q1	1A	F-A	F1.0	VT-3	03/29/95	Y
12050-WMKS-0103BN	2-SI-106-BOLTING	6'-SI-532-1502-Q1	1A	B-G-2	B7.70	VT-1	03/30/95	Y
12050-WMKS-0103BN	SW-54	6'-SI-532-1502-Q1	1A	B-J	B9.32	PT	03/30/95	Y
12050-WMKS-0103BP	2	6'-RC-419-1502-Q1	1A	B-J	B9.11	PT & UT	04/04/95	Y
12050-WMKS-0103BP	2-SI-R-107	6'-SI-533-1502-Q1	1A	F-B	F2.0	VT-3	03/29/95	Y
12050-WMKS-0103BP	SW-71	6'-SI-533-1502-Q1	1A	B-J	B9.32	PT	04/03/95	Y
12050-WMKS-0103BV	11	2'-SI-453-1502-Q1	2A	C-F-1	C5.21	PT & UT	04/11/95	Y
12050-WMKS-0103BV	26	3'-SI-417-1502-Q1	2A	C-F-1	C5.21	PT & UT	04/11/95	P
12050-WMKS-0103BV	8	2'-SI-453-1502-Q1	2A	C-F-1	C5.30	PT	04/11/95	Y
12050-WMKS-0103CA	2-RC-A-19	2'-RC-453-1502-Q1	1A	F-A	F1.0	VT-3	03/29/95	Y
12050-WMKS-0103CB	2-RC-R-1	2'-RC-616-1502-Q1	1A	F-A	F1.0	VT-3	03/27/95	Y
12050-WMKS-0103CB	2-RC-R-4	2'-RC-616-1502-Q1	1A	F-B	F2.0	VT-3	03/27/95	Y
12050-WMKS-0104B-1	2-SI-HSS-802A	10'-SI-464-153A-Q2	2F	F-C	F3.0	VT-3	03/07/95	Y
12050-WMKS-0104B-2	39	10'-SI-623-153A-Q2	2F	C-F-1	C5.11	PT & UT	05/04/95	Y
12050-WMKS-0104B-2	40	10'-SI-623-153A-Q2	2F	C-F-1	C5.11	PT & UT	05/04/95	Y
12050-WMKS-0104B-2	LS-83W(39)	10'-SI-623-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y

DRAWING NUMBER	MARK NUMBER	LINE NUMBER	SECT XI CLASS	SECT XI CATEGORY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
12050-WMKS-0104B-2	LS-83W(40)	10'-SI-623-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104B-2	LS-84W(39)	10'-SI-623-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104B-2	SW-44W	6'-SI-531-1502-Q1	2A	C-F-1	C5.11	PT & UT	04/27/95	Y
12050-WMKS-0104C-2	11	10'-SI-629-153A-Q2	2F	C-F-1	C5.11	PT & UT	05/16/95	Y
12050-WMKS-0104C-2	LS-10(4)	10'-SI-628-153A-Q3	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104C-2	LS-10(5)	10'-SI-628-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104C-2	LS-11(2)	10'-SI-628-153A-Q3	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104C-2	LS-27(2)	10'-SI-629-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104C-2	LS-27(3)	10'-SI-629-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104C-2	LS-61(19)	12'-SI-405-153A-Q3	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104C-2	LS-61(20)	12'-SI-405-153A-Q3	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104C-2	LS-64(SW-46)	12'-SI-405-153A-Q3	2A	C-F-1	C5.12	PT & UT	05/05/95	Y
12050-WMKS-0104C-2	SW-26(11)	10'-SI-629-153A-Q2	2F	C-F-1	C5.12	PT & UT	05/16/95	Y
12050-WMKS-0104C-2	SW-46	12'-SI-405-153A-Q3	2A	C-F-1	C5.11	PT & UT	05/05/95	Y
12050-WMKS-0104E	LS-72(SW-70)	10'-RS-409-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104E	LS-72(SW-71)	10'-RS-409-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104E	LS-73(SW-68)	10'-RS-409-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104E	LS-73(SW-69)	10'-RS-409-153A-Q2	2A	C-F-1	C5.12	PT & UT	05/04/95	Y
12050-WMKS-0104E	SW-69	10'-RS-409-153A-Q2	2F	C-F-1	C5.11	PT & UT	05/04/95	Y
12050-WMKS-0104E	SW-71	10'-RS-409-153A-Q2	2F	C-F-1	C5.11	PT & UT	05/04/95	Y
12050-WMKS-0107AAP	2-CH-R-171	6'-CH-649-153A-Q3	3F	F-B	F2.0	VT-3	04/23/95	E1
12050-WMKS-0107AAP	2-CH-R-177	6'-CH-649-153A-Q3	3F	F-B	F2.0	VT-3	04/23/95	E1
12050-WMKS-0107D	2-QS-A-234	8'-QS-403-153A-Q3	2F	F-A	F1.0	VT-3	03/27/95	Y
12050-WMKS-0107D	2-QS-R-231	8'-QS-403-153A-Q3	2F	F-B	F2.0	VT-3	03/23/95	Y
12050-WMKS-0107D	52H	8'-QS-403-153A-Q3	2F	C-C	C3.20	PT	05/05/95	P
12050-WMKS-0107H	LS-78(SW-74)	6'-QS-419-153A-Q3	2F	C-F-1	C5.12	PT & UT	05/05/95	Y
12050-WMKS-0107H	LS-78(SW-75)	6'-QS-419-153A-Q3	2F	C-F-1	C5.12	PT & UT	05/05/95	Y
12050-WMKS-0107H	LS-7W(SW-89)	8'-QS-404-153A-Q3	2A	C-F-1	C5.12	PT & UT	05/02/95	Y
12050-WMKS-0107H	LS-7W(SW-90)	8'-QS-404-153A-Q3	2A	C-F-1	C5.12	PT & UT	05/02/95	Y
12050-WMKS-0107H	SW-89	8'-QS-404-153A-Q3	2F	C-F-1	C5.11	PT & UT	05/02/95	Y
12050-WMKS-0107H	SW-90	8'-QS-404-153A-Q3	2F	C-F-1	C5.11	PT & UT	05/02/95	Y
12050-WMKS-0107J	LS-47(SW-42)	10'-QS-401-153A-Q3	2F	C-F-1	C5.12	PT & UT	05/10/95	Y
12050-WMKS-0107J	SW-42	10'-QS-401-153A-Q3	2F	C-F-1	C5.11	PT & UT	05/10/95	Y
12050-WMKS-0107L	LS-37(SW-33)	10'-QS-402-153A-Q3	2F	C-F-1	C5.12	PT & UT	05/02/95	Y
12050-WMKS-0107L	SW-33	10'-QS-402-153A-Q3	2F	C-F-1	C5.11	PT & UT	05/02/95	Y
12050-WMKS-0109A	4	8'-RC-411-2501R-Q1	1A	B-J	B9.11	PT & UT	04/03/95	Y
12050-WMKS-0109B	1	8'-RC-412-2501R-Q1	1A	E-J	B9.11	PT & UT	04/03/95	Y
12050-WMKS-0109B	2-RC-HSS-412.06	8'-RC-412-2501R	1A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0109B	2-RC-HSS-412.07	8'-RC-412-2501R	1A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0109B	2-RC-MOV-2586-BOLT IN	8'-RC-412-2501R	1A	B-G-2	B7.70	VT-1	05/24/95	Y
12050-WMKS-0109B	4	8'-RC-412-2501R-Q1	1A	B-J	B9.11	PT & UT	04/03/95	Y
12050-WMKS-0109D	2-RC-HSS-410.02	14'-RC-410-2501R-Q1	1A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0109D	2-RC-HSS-410.03	14'-RC-410-2501R-Q1	1A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0109F-2	SW-23	29'-RC-404-2501R-Q1	1A	B-J	B9.31	PT & UT	04/04/95	P
12050-WMKS-0109F-2	SW-24	31'-RC-405-2501R-Q1	1A	B-J	B9.32	PT	04/03/95	Y
12050-WMKS-0109F-2	SW-25	31'-RC-405-2501R-Q1	1A	B-J	B9.32	PT	04/03/95	Y
12050-WMKS-0109F-2	SW-42	27 1/2'-RC-406-2501R-Q1	1A	B-J	B9.32	PT	04/03/95	Y
12050-WMKS-0109F-2	SW-43	27 1/2'-RC-406-2501R-Q1	1A	B-J	B9.31	PT & UT	04/03/95	P
12050-WMKS-0109F-2	SW-44	27 1/2'-RC-406-2501R-Q1	1A	B-J	B9.32	PT	04/03/95	Y
12050-WMKS-0109F-2	SW-45	27 1/2'-RC-406-2501R-Q1	1A	B-J	B9.31	PT & UT	04/03/95	P
12050-WMKS-0109F-2	SW-46	27 1/2'-RC-406-2501R-Q1	1A	B-J	B9.32	PT	04/03/95	Y
12050-WMKS-0109G-2	1A	1 1/2'-RC-541-1502-Q1	1A	B-J	B9.40	PT	04/03/95	Y
12050-WMKS-0110A-1	1	6'-RC-439-1502-Q1	1A	B-J	B9.11	PT & UT	04/28/95	Y
12050-WMKS-0110A-1	1	6'-RC-438-1502-Q1	1A	B-J	B9.11	PT & UT	04/28/95	Y
12050-WMKS-0110A-1	2-RC-SV-2551R-BOLT IN	6'-RC-438-1502-Q1	1A	B-G-2	B7.70	VT-1	05/21/95	Y
12050-WMKS-0110A-1	FB-2551B	6'-RC-438-1502-Q1	1A	B-G-2	B7.50	VT-1	05/21/95	Y, E3
12050-WMKS-0110A-1	FB-2551C	6'-RC-437-1502-Q1	1A	B-G-2	B7.50	VT-1	05/21/95	E3
12050-WMKS-0110A-1	SW-14	6'-RC-438-1502-Q1	1A	B-J	B9.11	PT & UT	04/28/95	P
12050-WMKS-0110A-1	SW-16	6'-RC-438-1502-Q1	1A	B-J	B9.11	PT & UT	05/07/95	P
12050-WMKS-0110A-1	SW-17	6'-RC-439-1502-Q1	1A	B-F	B5.40	PT & UT	05/01/95	Y
12050-WMKS-0110A-1	SW-19	6'-RC-439-1502-Q1	1A	B-J	B9.11	PT & UT	04/28/95	P
12050-WMKS-0110A-1	SW-24	6'-RC-439-1502-Q1	1A	B-J	B9.11	PT & UT	05/01/95	P
12050-WMKS-0110A-1	SW-9	6'-RC-438-1502-Q1	1A	B-F	B5.40	PT & UT	05/01/95	Y
12050-WMKS-0110A-2	28	3'-RC-461-1502-Q1	1A	B-J	B9.21	PT	04/11/95	Y
12050-WMKS-0110B	2-RC-HSS-101	4'-RC-414-1502-Q1	1A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0110B	2-RC-SH-1	4'-RC-414-1502-Q1	1A	F-C	F3.0	VT-3	04/13/95	Y



DRAWING NUMBER	MARK NUMBER	LINE NUMBER	SECT XI CLASS	SECT XI CATEGORY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
12050-WMKS-0110C	2-RC-SH-26	4'-RC-415-1502-Q1	1A	F-C	F3.0	VT-3	04/18/95	Y
12050-WMKS-0110C	34A	4'-RC-415-1502-Q1	1A	B-J	B9.11	PT & UT	04/18/95	Y
12050-WMKS-0110C	40A	4'-RC-415-1502-Q1	1A	B-J	B9.11	PT & UT	04/18/95	Y
12050-WMKS-0110C	45H	4'-RC-415-1502-Q1	1A	B-K-1	B10.10	PT	04/12/95	Y
12050-WMKS-0110C	60	4'-RC-414-1502-Q1	1A	B-J	B9.11	PT & UT	04/18/95	Y
12050-WMKS-0110C	61	4'-RC-415-1502-Q1	1A	B-J	B9.11	PT & UT	04/18/95	Y
12050-WMKS-0110C	SW-74	4'-RC-414-1502-Q1	1A	B-J	B9.11	PT & UT	04/18/95	Y
12050-WMKS-0110D	2-RC-SH-30	4'-RC-415-1502-Q1	1A	F-C	F3.0	VT-3	03/28/95	Y
12050-WMKS-0110D	30	4'-RC-415-1502-Q1	1A	B-J	B9.11	PT & UT	04/06/95	Y
12050-WMKS-0110D	36H	4'-RC-415-1502-Q1	1A	B-K-1	B10.10	PT	04/19/95	Y
12050-WMKS-0110D	SW-79	4'-RC-415-1502-Q1	1A	B-J	B9.11	PT & UT	04/06/95	Y
12050-WMKS-0110D	SW-96	1 1/2'-RC-505-1502-Q1	1A	B-J	B9.40	PT	04/24/95	Y
12050-WMKS-0111AAC	2A	3'-CH-403-1502-Q2	2A	C-F-1	C5.21	PT & UT	04/26/95	Y
12050-WMKS-0111AAC	SW-49W	3'-CH-402-1502-Q2	2A	C-F-1	C5.21	PT & UT	05/23/95	Y
12050-WMKS-0111AAD	2-CH-R-204	3'-CH-667-1502-Q2	2A	F-B	F2.0	VT-3	03/24/95	Y
12050-WMKS-0111AAG	2-SI-A-535	3'-SI-424-1502-Q2	2A	F-A	F1.0	VT-3	03/24/95	Y
12050-WMKS-0111AAG	2-SI-SH-563	3'-SI-417-1502-Q1	2A	F-C	F3.0	VT-3	03/24/95	Y
12050-WMKS-0111AAJ	2-SI-R-509	3'-SI-536-1502-Q2	2A	F-A	F1.0	VT-3	03/24/95	Y
12050-WMKS-0111AAJ	SW-80	3'-SI-423-1502-Q2	2A	C-F-1	C5.21	PT & UT	04/25/95	Y
12050-WMKS-0111AAM	69A	3'-CH-481-1502-Q2	2A	C-F-1	C5.21	PT & UT	04/28/95	Y
12050-WMKS-0111AAN	SW-39W	2'-CH-422-1502-Q2	2A	C-F-1	C5.21	PT & UT	04/26/95	Y
12050-WMKS-0111AAN	SW-42W	2'-CH-422-1502-Q2	2A	C-F-1	C5.30	PT	05/23/95	Y
12050-WMKS-0111AAP	23	2'-CH-938-1502-Q2	2A	C-F-1	C5.30	PT	04/26/95	Y
12050-WMKS-0111AAP	SW-61W	3'-CH-513-1502-Q2	2A	C-F-1	C5.41	PT	05/23/95	Y
12050-WMKS-0111AD-1	FLANGE-1	2'-RC-445-1502-Q1	1A	B-G-2	B7.50	VT-1	05/18/95	E3
12050-WMKS-0111AD-2	2-RC-R-1	2'-RC-446-1502-Q1	1A	F-B	F2.0	VT-3	04/03/95	Y
12050-WMKS-0111AD-2	FLANGE-1	2'-RC-446-1502-Q1	1A	B-G-2	B7.50	VT-1	03/31/95	Y
12050-WMKS-0111AD-2	SW-31	2'-RC-446-1502-Q1	1A	B-J	B9.40	PT	04/17/95	Y
12050-WMKS-0111AD-3	2-RC-R-2	2'-RC-444-1502-Q1	1A	F-B	F2.0	VT-3	03/30/95	Y
12050-WMKS-0111AD-3	SW-28	2'-RC-444-1502-Q1	1A	B-J	B9.40	PT	04/24/95	Y
12050-WMKS-0111AG	14	8'-CH-605-153A-Q2	2F	C-F-1	C5.11	PT & UT	04/27/95	Y
12050-WMKS-0111AG	LS-89W(SW-42W)	8'-CH-604-153A-Q2	2A	C-F-1	C5.12	PT & UT	04/27/95	Y
12050-WMKS-0111AG	LS-89W(SW-43W)	8'-CH-604-153A-Q2	2A	C-F-1	C5.12	PT & UT	04/27/95	Y
12050-WMKS-0111AG	LS-90W(SW-53)	8'-CH-605-153A-Q2	2A	C-F-1	C5.12	PT & UT	04/27/95	Y
12050-WMKS-0111AG	LS-90W(SW-55)	8'-CH-605-153A-Q2	2A	C-F-1	C5.12	PT & UT	04/27/95	Y
12050-WMKS-0111AG	SW-53	8'-CH-417-153A-Q2	2F	C-F-1	C5.11	PT & UT	04/27/95	Y
12050-WMKS-0111AJ	1	8'-SI-440-153A-Q2	2F	C-F-1	C5.11	PT & UT	04/29/95	Y
12050-WMKS-0111AJ	LS-58W(1)	8'-SI-440-153A-Q2	2A	C-F-1	C5.12	PT & UT	04/29/95	Y
12050-WMKS-0111AJ	LS-58W(SW-72)	8'-SI-440-153A-Q2	2A	C-F-1	C5.12	PT & UT	04/29/95	Y
12050-WMKS-0111AJ	SW-72	8'-SI-440-153A-Q2	2F	C-F-1	C5.11	PT & UT	04/29/95	Y
12050-WMKS-0111AQ	SW-26W	6'-CH-419-153A-Q2	2F	C-F-1	C5.11	PT & UT	04/26/95	Y
12050-WMKS-0111AQ	SW-26W - SW-27W(26W)	6'-CH-419-153A-Q2	2A	C-F-1	C5.12	PT & UT	04/26/95	Y
12050-WMKS-0111AQ	SW-26W - SW-27W(27W)	6'-CH-419-153A-Q2	2A	C-F-1	C5.12	PT & UT	04/26/95	Y
12050-WMKS-0111AQ	SW-27W	6'-CH-419-153A-Q2	2F	C-F-1	C5.11	PT & UT	04/26/95	Y
12050-WMKS-0111V	2	3'-CH-401-1502-Q1	1A	B-J	B9.21	PT	04/03/95	Y
12050-WMKS-0111V	2-CH-SH-25	3'-CH-401-1502-Q1	1A	F-C	F3.0	VT-3	04/01/95	Y
12050-WMKS-0111W	12	2'-CH-468-1502-Q1	1A	B-J	B9.21	PT	04/06/95	Y
12050-WMKS-0111W	2	2'-CH-468-1502-Q1	1A	B-J	B9.21	PT	04/06/95	Y
12050-WMKS-0111W	2-CH-A-8	2'-CH-468-1502-Q1	1A	F-C	F3.0	VT-3	04/05/95	Y
12050-WMKS-0111W	2-CH-R-1	2'-CH-468-1502-Q1	1A	F-B	F2.0	VT-3	04/05/95	Y
12050-WMKS-0111W	2-CH-R-2	2'-CH-468-1502-Q1	1A	F-A	F1.0	VT-3	04/05/95	Y
12050-WMKS-0111W	2-SI-SH-1	3'-CH-819-1502-Q1	NC	N/A	N/A	VT-3	04/24/95	E1
12050-WMKS-0113A-1	2-RH-HSS-106	14'-RH-401-1502-Q1	1A	F-C	F3.0	VT-3	04/17/95	Y
12050-WMKS-0113A-1	2-RH-MOV-2701-BOLTIN	14'-RH-401-1502-Q1	1A	B-G-2	B7.70	VT-1	04/05/95	Y
12050-WMKS-0113A-1	SW-35	14'-RH-401-1502-Q1	1A	B-J	B7.11	PT & UT	04/08/95	Y
12050-WMKS-0113A-1	SW-38	14'-RH-402-602-Q2	2A	C-F-1	C5.11	PT & UT	04/06/95	Y
12050-WMKS-0113A-1	SW-42	14'-RH-403-602-Q2	2A	C-F-1	C5.11	PT & UT	04/06/95	Y
12050-WMKS-0113A-1	SW-55(SW-38)	14'-RH-402-602-Q2	2A	C-F-1	C5.12	PT/UT	04/06/95	Y
12050-WMKS-0113A-1	SW-56(SW-38)	14'-RH-402-602-Q2	2A	C-F-1	C5.12	PT/UT	04/06/95	Y
12050-WMKS-0113A-1	SW-65(SW-42)	14'-RH-403-602-Q2	2A	C-F-1	C5.12	PT & UT	04/06/95	Y
12050-WMKS-0113A-1	SW-66(SW-42)	14'-RH-403-602-Q2	2A	C-F-1	C5.12	PT & UT	04/06/95	Y
12050-WMKS-0113A-2	2-RH-HSS-706A	14'-RH-402-602-Q2	2A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0113A-3	2-RH-R-4	12'-RH-415-602-Q2	2A	F-B	F2.0	VT-3	04/01/95	Y
12050-WMKS-0113A-3	28	10'-RH-409-602-Q2	2A	C-F-1	C5.11	PT & UT	04/13/95	Y
12050-WMKS-0113A-3	LS-79(28)	10'-RH-409-602-Q2	2A	C-F-1	C5.12	PT & UT	04/13/95	Y
12050-WMKS-0113A-3	LS-80(28)	10'-RH-409-602-Q2	2A	C-F-1	C5.12	PT & UT	04/13/95	Y

DRAWING NUMBER	MARK NUMBER	LINE NUMBER	SECT XI CLASS	SECT XI CATEGORY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
12050-WMKS-0113A-3	SW-66	12'-RH-415-602-Q2	2A	C-F-1	C5.11	PT & UT	04/18/95	Y
12050-WMKS-0113A-4	2-SI-153	12'-SI-467-1502-Q1	1A	B-G-2	B7.70	VT-1	03/20/95	C
12050-WMKS-0113A-4	2-SI-R-10	12'-SI-467-1502-Q1	1A	F-B	F2.0	VT-3	04/01/95	Y
12050-WMKS-0113A-4	SW-24	12'-SI-467-1502-Q1	1A	B-J	B9.11	PT & UT	04/06/95	Y
12050-WMKS-0113A-4	SW-26	12'-SI-467-1502-Q1	1A	B-J	B9.11	PT & UT	04/06/95	Y
12050-WMKS-0113B	2-RH-MOV-2720A-BOLTI	10'-RH-432-1502-Q2	1A	B-G-2	B7.70	VT-1	04/13/95	Y
12050-WMKS-0113B	2-SI-HSS-100A	12'-SI-468-1502-Q1	1A	F-C	F3.0	VT-3	04/16/95	Y
12050-WMKS-0113B	2-SI-R-2	12'-SI-468-1502-Q1	1A	F-B	F2.0	VT-3	04/01/95	Y
12050-WMKS-0113B	2-SI-SH-15	12'-SI-468-1502-Q1	1A	F-C	F2.0	VT-3	04/01/95	Y
12050-WMKS-0113B	SW-28	12'-SI-468-1502-Q1	1A	B-J	B9.11	PT & UT	05/09/95	Y
12050-WMKS-0113C-1	1	12'-RC-424-1502-Q1	1A	B-J	B9.11	PT & UT	04/03/95	Y
12050-WMKS-0113C-1	2-SI-185-BOLTING	12'-SI-469-1502-Q1	1A	B-G-2	B7.70	VT-1	04/13/95	Y
12050-WMKS-0113C-1	2-SI-PRR-34	12'-SI-469-1502-Q1	1A	F-B	F2.0	VT-3	03/30/95	Y
12050-WMKS-0113C-1	2-SI-R-19	12'-SI-469-1502-Q1	1A	F-B	F2.0	VT-3	03/31/95	Y
12050-WMKS-0113C-1	SW-20	12'-SI-469-1502-Q1	1A	B-J	B9.11	PT & UT	05/03/95	Y
12050-WMKS-0113C-3	2-RH-R-9A	10'-RH-432-1502-Q2	2A	F-A	F1.0	VT-3	04/05/95	Y
12050-WMKS-0113C-3	9J	10'-RH-432-1502-Q2	2A	C-C	C3.20	PT	04/10/95	Y
12050-WMKS-CH-E-4	1		2A	C-A	C1.20	UT	04/14/95	Y
12050-WMKS-CH-FL-4B	2-CH-SUPT-LEG-3		2A	F-A	F1.0	VT-3	04/07/95	Y
12050-WMKS-RC-E-1A.1	2-RC-RING		1A	F-A	F1.0	VT-3	04/05/95	Y
12050-WMKS-RC-E-1A.2	2-RC-HSS-010A		1A	F-C	F3.0	VT-3	04/04/95	Y
12050-WMKS-RC-E-1A.2	2-RC-R-002A		1A	F-C	F3.0	VT-3	04/05/95	Y
12050-WMKS-RC-E-1B.1	6		2A	C-A	C1.10	UT	05/11/95	Y, DR
12050-WMKS-RC-E-1B.1	8		2A	C-A	C1.20	UT	04/17/95	Y
12050-WMKS-RC-E-1B.2	2-RC-9NIR		2A	C-B	C2.22	UT	05/12/95	Y
12050-WMKS-RC-E-1B.2	9		2A	C-B	C2.21	UT	05/12/95	Y, DR
12050-WMKS-RC-E-1C.2	10		2A	C-B	C2.21	UT	05/12/95	DR
12050-WMKS-RC-E-2	1		1A	B-B	B2.12	UT	05/16/95	Y
12050-WMKS-RC-E-2	11		1A	B-D	B3.110	UT	04/29/95	P
12050-WMKS-RC-E-2	12		1A	B-D	B3.110	UT	04/29/95	P
12050-WMKS-RC-E-2	2-RC-10NIR		1A	B-D	B3.120	UT	04/28/95	Y
12050-WMKS-RC-E-2	2-RC-11NIR		1A	B-D	B3.120	UT	04/28/95	Y
12050-WMKS-RC-E-2	2-RC-12NIR		1A	B-D	B3.120	UT	04/28/95	Y
12050-WMKS-RC-E-2	2-RC-13NIR		1A	B-D	B3.120	UT	04/28/95	Y
12050-WMKS-RC-E-2	2-RC-14NIR		1A	B-D	B3.120	UT	04/28/95	Y
12050-WMKS-RC-E-2	3		1A	B-B	B2.12	UT	05/01/95	Y
12050-WMKS-RC-E-2	4		1A	B-B	B2.11	UT	05/16/95	Y
12050-WMKS-RC-E-2	7		1A	B-B	B2.11	UT	05/01/95	Y
12050-WMKS-RC-E-2	8	2-RC-E-2	1A	Y-H	B8.20	UT	05/16/95	Y
12050-WMKS-RC-E-2	9		1A	B-D	B3.110	VT-2	03/26/95	Y
12050-WMKS-RC-E-2	MANWAY	2-RC-E-2	1A	B-G-2	B7.20	VT-1	04/28/95	Y
12050-WMKS-RC-E-2	WS-2	2-RC-E-2	1A	B-H	B8.20	MT	04/12/95	Y
12050-WMKS-RC-MOV2592	NUT-1-24	2-RC-MOV-2592	1A	B-G-1	B6.230	VT-1	04/01/95	Y
12050-WMKS-RC-MOV2592	STUD-1-24	2-RC-MOV-2592	1A	B-G-1	B6.210	UT	04/16/95	Y
12050-WMKS-RC-MOV2593	NUT-1-24	2-RC-MOV-2593	1A	B-G-1	B6.230	VT-1	04/01/95	Y
12050-WMKS-RC-MOV2593	STUD-1-24	2-RC-MOV-2593	1A	B-G-1	B6.210	UT	04/16/95	Y
12050-WMKS-RC-P-1B.2	B01 - B24	2-RC-P-1B	1A	B-G-1	B6.180	UT	04/19/95	Y
12050-WMKS-RC-P-1B.2	LSHB	2-RC-P-1B	1A	B-G-2	B7.60	VT-1	04/13/95	Y
12050-WMKS-RC-P-1C.1	2-RC-FRAME		1A	F-A	F1.0	VT-3	03/27/95	Y
12050-WMKS-RC-R-1.3	S-21 - S-30	2-RC-R-1	1A	B-G-1	B6.30	MT/UT	04/11/95	Y
12050-WMKS-RC-R-1.3	S-50 - S-58	2-RC-R-1	1A	B-G-1	B6.30	MT/UT	04/18/95	Y
12050-WMKS-RC-R-1.4	CCW-21 - CCW-30	2-RC-R-1	1A	B-G-1	B6.50	VT-1	04/08/95	Y
12050-WMKS-RC-R-1.4	CCW-50 - CCW-58	2-RC-R-1	1A	B-G-1	B6.50	VT-1	04/12/95	Y
12050-WMKS-RC-R-1.4	CVW-21 - CVW-30	2-RC-R-1	1A	B-G-1	B6.50	VT-1	04/08/95	Y
12050-WMKS-RC-R-1.4	CVW-50 - CVW-58	2-RC-R-1	1A	B-G-1	B6.50	VT-1	04/12/95	Y
12050-WMKS-RC-R-1.4	N-21 - N-30	2-RC-R-1	1A	B-G-1	B6.10	MT	04/08/95	Y
12050-WMKS-RC-R-1.4	N-50 - N-58	2-RC-R-1	1A	B-G-1	B6.10	MT	04/12/95	Y
12050-WMKS-RH-E-1A	1		2A	C-A	C1.20	UT	04/21/95	Y
12050-WMKS-RH-E-1A	2		2A	C-A	C1.10	UT	04/21/95	Y
12050-WMKS-RH-E-1A	4A		2A	C-B	C2.31	PT	04/18/95	P
12050-WMKS-RH-E-1B	2-RH-SUPT-INLET		2A	F-A	F1.0	VT-3	04/01/95	Y
12050-WMKS-RH-E-1B	3		2A	C-B	C2.33	VT-2	03/26/95	Y
12050-WMKS-RH-E-1B	4		2A	C-B	C2.33	VT-2	03/26/95	Y
12050-WMKS-RH-E-1B	WS-1		2A	C-C	C3.10	PT	04/16/95	Y
12050-WMKS-RH-P-1B	2-RH-FOOT-A		2A	F-A	F1.0	VT-3	04/01/95	Y
12050-WMKS-RS-P-2A	20		2A	C-G	C6.10	PT	05/03/95	Y

DRAWING NUMBER	MARK NUMBER	LINE NUMBER	SECT XI CLASS	SECT XI CATEGORY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
12050-WMKS-SI-P-1A	4		2A	C-G	C6.10	PT	05/03/95	Y
12050-WMKS-SI-P-1A	LS-4		2A	C-G	C6.10	PT	05/03/95	Y
12050-WMKS-SI-P-1B	2-SI-H-603B		2A	F-B	F2.0	VT-3	03/23/95	Y
12050-WMKS-SI-TK-2	1		2A	C-A	C1.20	UT	05/14/95	P
12050-WMKS-SI-TK-2	2		2A	C-A	C1.20	UT	05/14/95	Y
12050-WMKS-SI-TK-2	2-SI-LEG-2		2A	F-A	F1.0	VT-3	04/07/95	Y
12050-WMKS-SI-TK-2	S06 - S10	2-SI-TK-2	2A	C-D	C4.10	UT	05/10/95	Y

Notes

- C Previous NIS-1 commitment see page 8 of 21 item 1.
- E1 Expansion exams conducted due to the corrective measures performed on support 2-CH-R-1 on 12050-WMKS-0111W. No Section XI credit taken.
- E2 Expansion exams conducted due to the corrective measures performed on support 2-SHP-SH-46 on 12050-WMKS-101B. No Section XI credit taken.
- E3 Expansion exams conducted due to the corrective measures performed on flange bolting FB-FLG-1 on 12050-WMKS-103AP. No Section XI credit taken for bolting scheduled for the third period.
- DR Deviation Report N-95-668 documented insufficient coverage of welds 5, 6, 9 on 2-RC-E-1B and weld 10 on 2-RC-E-1C in first interval. As corrective action the areas were reexamined this outage. Welds 6 and 9 will receive Section XI credit. The replacement steam generators have eliminated weld 5. Weld 10 received Section XI credit in the first period.
- P Partial examination, (reduction in coverage is greater than 10% as allowed by Code Case N-460) relief request will be provided by separate correspondence).
- Y Full credit for the period has been achieved.

System Pressure Tests

SPT No.	Zone No.	Description	Class	Cat.	Item No.	Date
2-BD-001						
	2-SPM-098A-2-1	"A" steam generator blowdown	2	C-B	C2.33	03/25/95
	2-SPM-098A-2-1	"A" steam generator blowdown	2	C-H	C7.10	03/25/95
	2-SPM-098A-2-2	"A" steam generator blowdown	2	C-H	C7.30	03/25/95
	2-SPM-098A-2-2	"A" steam generator blowdown	2	C-H	C7.70	03/25/95
2-BD-002						
	2-SPM-098A-3-1	"B" steam generator blowdown	2	C-B	C2.33	03/25/95
	2-SPM-098A-3-1	"B" steam generator blowdown	2	C-H	C7.10	03/25/95
	2-SPM-098A-3-1	"B" steam generator blowdown	2	C-H	C7.30	03/25/95
	2-SPM-098A-3-2	"B" steam generator blowdown	2	C-H	C7.30	03/25/95
	2-SPM-098A-3-2	"B" steam generator blowdown	2	C-H	C7.70	03/25/95
2-BD-003						
	2-SPM-098A-4-1	"C" steam generator blowdown	2	C-B	C2.33	03/25/95
	2-SPM-098A-4-1	"C" steam generator blowdown	2	C-H	C7.10	03/25/95
	2-SPM-098A-4-2	"C" steam generator blowdown	2	C-H	C7.30	03/25/95
	2-SPM-098A-4-2	"C" steam generator blowdown	2	C-H	C7.70	03/25/95
2-CA-001						
	2-SPM-082A-1-1	Compressed air, penetration 47, Code Case N-522	2	C-H	C7.30	04/06/95
	2-SPM-082B-1-1	Compressed air, penetration 47, Code Case N-522	2	C-H	C7.30	04/06/95
2-CA-003						
	2-SPM-082B-2-1	Compressed air, penetration 44, Code Case N-522.	2	C-H	C7.30	03/27/95
2-CA-004						
	2-SPM-082B-2-2	Compressed air, penetration 43, Code Case N-522.	2	C-H	C7.30	03/27/95

SPT No.	Zone No.	Description	Class	Cat.	Item No.	Date
2-CC-001	2-SPM-079A-1-2	Component cooling to the "A" residual heat exchanger	2	C-H	C7.30	03/30/95
2-CC-002	2-SPM-079A-1-3	Component cooling to the "B" residual heat exchanger	2	C-H	C7.30	03/30/95
2-CC-003	2-SPM-079A-2-3	Component cooling to and from the "A" reactor coolant pump	2	C-H	C7.30	03/25/95
2-CC-004	2-SPM-079A-3-3	Component cooling to and from the "B" reactor coolant pump	2	C-H	C7.30	03/25/95
2-CC-005	2-SPM-079A-4-3	Component cooling to and from the "C" reactor coolant pump	2	C-H	C7.30	03/25/95
2-CC-007	2-SPM-079A-1-4	Component Cooling return from the reactor coolant pumps	2	C-H	C7.30	03/25/95
2-CH-001	2-SPM-095B-1-3	Chemical and volume control system boron addition	2	C-H	C7.30	03/25/95
2-CH-002	2-SPM-095A-2-2	Noramal charging between the regen and nonregen heat exchangers	2	C-H	C7.30	03/25/95
	2-SPM-095C-1-1	Letdown from the regen heat exchanger	2	B-P	B15.40	03/25/95
	2-SPM-095C-1-9	Letdown from HCVs to penetration 28	2	C-H	C7.30	03/25/95
2-CH-003	2-SPM-095C-1-6	Charging through the regen. heat exchanger	1	B-P	B15.50	03/25/95
2-CH-004	2-SPM-095B-1-6	Chemical and volume control system seal water heat exchanger	2	C-H	C7.30	03/25/95
	2-SPM-095C-1-10	Excess letdown heat exchanger	2	C-H	C7.10	03/25/95
	2-SPM-095C-1-5	Excess letdown to seal water heat exchanger	2	C-H	C7.30	03/25/95
	2-SPM-095C-2-2	Seal water injection	2	C-H	C7.30	03/25/95
	2-SPM-095C-2-6	Seal water injection	1	B-P	B15.50	03/25/95
	2-SPM-095C-2-8	Seal water injection to seal water heat exchanger	2	C-H	C7.30	03/25/95
2-CH-006	2-SPM-095C-2-3	Seal water injection	1	B-P	B15.50	03/25/95
	2-SPM-095C-2-4	Seal water injection	1	B-P	B15.50	03/25/95
	2-SPM-095C-2-5	Seal water injection	1	B-P	B15.50	03/25/95
	2-SPM-095C-2-7	Charging to seal water injection filters	2	C-H	C7.30	03/25/95
2-CV-001	1-SPM-106A-4-4	Containment Vacuum, Code Case N-498 applicable	2	C-H	C7.30	03/28/95
	1-SPM-106A-4-5	Containment Vacuum, Code Case N-498 applicable	2	C-H	C7.30	03/28/95
	2-SPM-092A-2-1	Containment vacuum, penetration 92, Code Case N-522	2	C-H	C7.30	03/28/95
2-CV-002	1-SPM-106A-4-3	N-498 APPLICABLE	2	C-H	C7.30	03/28/95
	1-SPM-106A-4-6	N-498 APPLICABLE	2	C-H	C7.30	03/28/95
	2-SPM-092A-2-2	Containment vacuum, penetration 93, Code Case N-522	2	C-H	C7.30	03/28/95
2-CV-003	2-SPM-092A-2-3	Containment vacuum, penetration 94, Code Case N-522	2	C-H	C7.30	03/28/95
2-DA-001	2-SPM-090A-3-1	Vent and drain system, to penetration 33	2	C-H	C7.30	03/28/95
	2-SPM-090B-1-1	Vent and drain system, penetration 38, Code Case N-522	2	C-H	C7.30	03/28/95



SPT No.	Zone No.	Description	Class	Cat.	Item No.	Date
2-DA-002	2-SPM-090A-1-2	Vent and drain system, penetration 33	2	C-H	C7.30	03/26/95
2-DA-003	2-SPM-090A-1-1	Vent and drain system, penetration 48	2	C-H	C7.30	03/26/95
2-DA-005	2-SPM-090A-3-2	Vent and drain system, penetration 111	2	C-H	C7.30	03/31/95
2-FW-001	2-SPM-074A-1-1	Aux. Feedwater to "A" steam generator	2	C-B	C2.33	03/25/95
	2-SPM-089A-3-1	"A" steam generator sampling line	2	C-B	C2.33	03/25/95
	2-SPM-102A-2-1	Chemical feed to "A" steam generator	2	C-B	C2.33	03/25/95
	2-SPM-102A-2-4	Chemical feed to "A" steam generator penetration 111	2	C-H	C7.30	03/25/95
	2-SPM-102B-1-1	Chemical feed from "A" steam generator	2	C-B	C2.33	03/25/95
2-FW-002	2-SPM-074A-1-2	Aux. Feedwater to "B" steam generator	2	C-B	C2.33	03/25/95
	2-SPM-089A-3-2	"B" steam generator sampling line	2	C-B	C2.33	03/25/95
	2-SPM-102A-2-2	Chemical feed to "B" steam generator	2	C-B	C2.33	03/25/95
	2-SPM-102A-2-5	Chemical feed to "B" steam generator penetration 111	2	C-H	C7.30	03/25/95
	2-SPM-102B-1-2	Chemical feed from "B" steam generator	2	C-B	C2.33	03/25/95
2-FW-003	2-SPM-074A-1-3	Aux. Feedwater to "C" steam generator	2	C-B	C2.33	03/25/95
	2-SPM-089A-3-3	"C" steam generator sampling line	2	C-B	C2.33	03/25/95
	2-SPM-102A-2-3	Chemical feed to "C" steam generator	2	C-B	C2.33	03/25/95
	2-SPM-102A-2-6	Chemical feed to "C" steam generator penetration 111	2	C-H	C7.30	03/25/95
	2-SPM-102B-1-3	Chemical feed from "C" steam generator	2	C-B	C2.33	03/25/95
2-HC-001	1-SPM-106A-1-4	penetration 98, Code Cases N-498 and N-522 applicable	2	C-H	C7.30	03/28/95
2-HC-002	1-SPM-106A-1-1	penetration 31, Code Cases N-498 and N-522 applicable	2	C-H	C7.30	03/29/95
	1-SPM-106A-1-5	penetration 31, Code Cases N-498 and N-522 applicable	2	C-H	C7.30	03/29/95
2-HC-003	1-SPM-106A-2-4	penetration 105, Code Cases N-498 and N-522 applicable	2	C-H	C7.30	03/29/95
2-HC-004	1-SPM-106A-2-1	penetration 109, Code Cases N-498 and N-522 applicable	2	C-H	C7.30	03/29/95
	1-SPM-106A-2-5	penetration 109, Code Cases N-498 and N-522 applicable	2	C-H	C7.30	03/29/95
2-HC-005	1-SPM-106A-3-2	penetration 98, Code Cases N-498 and N-522 applicable	2	C-H	C7.30	03/28/95
2-HV-001	1-SPB-006A-2-1	penetration 91, Code Case N-498 applicable	2	C-H	C7.30	03/25/95
2-HV-002	1-SPB-006A-2-2	penetration 90, Code Case N-498 applicable	2	C-H	C7.30	03/25/95
2-LM-001	2-SPM-092A-1-1	Containment vacuum, penetration 105C, Code Case N-522.	2	C-H	C7.30	03/28/95
	2-SPM-092A-1-2	Containment vacuum, penetrations 55, 57, 97 & 105C, Code Case N-522	2	C-H	C7.30	03/28/95

SPT No.	Zone No.	Description	Class Cat.	Item No.	Date
2-MS-001					
	2-SPM-070B-1-1	Main Steam from "A" steam generator	2 C-B	C2.33	03/25/95
	2-SPM-070B-1-1	Main Steam from "A" steam generator	2 C-H	C7.10	03/25/95
	2-SPM-070B-1-1	Main Steam from "A" steam generator	2 C-H	C7.30	03/25/95
	2-SPM-070B-2-1	Main steam to decay heat release	2 C-H	C7.30	03/25/95
	2-SPM-070B-3-1	Main steam to decay heat release	2 C-H	C7.30	03/25/95
2-MS-002					
	2-SPM-070B-2-2	Main steam from "B" steam generator	2 C-B	C2.33	03/25/95
	2-SPM-070B-2-2	Main steam from "B" steam generator	2 C-H	C7.10	03/25/95
2-MS-003					
	2-SPM-070B-3-2	Main steam from "C" steam generator	2 C-B	C2.33	03/25/95
	2-SPM-070B-3-2	Main steam from "C" Steam generator	2 C-H	C7.10	03/25/95
2-MS-004					
	2-SPM-070B-2-3	Main steam from "B" steam generator	2 C-B	C2.33	02/20/95
2-RC-001					
	2-SPM-089B-1-1	Sampling system, penetration 56	1 B-P	B15.50	05/30/95
	2-SPM-089B-1-2	Pressurizer relief tank sampling lines, penetration 57	2 C-H	C7.30	05/30/95
	2-SPM-090A-3-4	Vent and drain system, from cold legs	1 B-P	B15.50	05/30/95
	2-SPM-090A-3-5	Relief valve header vent	1 B-P	B15.50	05/30/95
	2-SPM-093A-1-1	"A" reactor coolant loop	1 B-P	B15.10	05/30/95
	2-SPM-093A-1-2	Pressurization spool	1 B-P	B15.50	05/30/95
	2-SPM-093A-2-1	"B" reactor coolant loop	1 B-P	B15.10	05/30/95
	2-SPM-093A-2-2	Pressurization spool	1 B-P	B15.50	05/30/95
	2-SPM-093A-3-1	"C" reactor coolant loop	1 B-P	B15.10	05/30/95
	2-SPM-093A-3-2	Reactor vessel vent	1 B-P	B15.50	05/30/95
	2-SPM-093A-3-3	Reactor vessel level indication	1 B-P	B15.50	05/30/95
	2-SPM-093B-1-1	Pressurizer	1 B-P	B15.10	05/30/95
	2-SPM-093B-1-2	Pressurizer vent	1 B-P	B15.50	05/30/95
	2-SPM-093B-1-3	Pressurizer safety drain line	1 B-P	B15.50	05/30/95
	2-SPM-093B-1-4	Pressurizer spray spool piece	1 B-P	B15.50	05/30/95
	2-SPM-093D-1-1	Reactor coolant, penetration 55	1 B-P	B15.10	05/30/95
	2-SPM-093D-2-1	Reactor coolant, penetration 117	1 B-P	B15.50	05/30/95
	2-SPM-094A-1-1	Residual heat removal from "A" loop	1 B-P	B15.10	05/30/95
	2-SPM-094A-2-1	Residual heat removal to "B" accumulator	1 B-P	B15.50	05/30/95
	2-SPM-094A-2-2	Residual heat removal to "C" accumulator	1 B-P	B15.50	05/30/95
	2-SPM-095C-1-2	Excess letdown from steam generators to 2-CH-HCV-2201	1 B-P	B15.10	05/30/95
	2-SPM-096B-1-1	"A" accumulator to "A" cold leg	1 B-P	B15.10	05/30/95
	2-SPM-096B-1-3	"A" accumulator discharge	1 B-P	B15.50	05/30/95
	2-SPM-096B-2-1	"B" accumulator to "B" cold leg	1 B-P	B15.10	05/30/95
	2-SPM-096B-2-3	"B" accumulator	1 B-P	B15.50	05/30/95
	2-SPM-096B-3-1	"C" accumulator to "C" cold leg	1 B-P	B15.10	05/30/95
	2-SPM-096B-3-3	"C" accumulator	1 B-P	B15.50	05/30/95
	2-SPM-096B-4-1	High head safety injection to "A" loop	1 B-P	B15.10	05/30/95
2-RC-002					
	2-SPM-093B-2-1	Reactor coolant, penetration 45, Code Case N-522.	2 C-H	C7.30	03/30/95
2-RH-001					
	2-SPM-089B-1-3	Residual heat removal sampling lines, penetration 97	2 C-H	C7.30	03/30/95
	2-SPM-094A-1-2	Residual heat removal pumps	2 C-H	C7.10	03/30/95
	2-SPM-094A-1-3	Suction lines for residual heat removal pumps	2 C-H	C7.30	03/30/95
	2-SPM-094A-1-4	Residual heat removal sampling line	2 C-H	C7.30	03/30/95
	2-SPM-094A-2-2	Residual heat removal to "C" accumulator	1 B-P	B15.70	03/30/95
	2-SPM-094A-2-3	Residual heat removal heat exchangers	2 C-H	C7.10	03/30/95
	2-SPM-094A-2-4	Residual heat removal to letdown header	2 C-H	C7.30	03/30/95
	2-SPM-094A-2-6	Residual heat removal to sampling system	2 C-H	C7.30	03/30/95
	2-SPM-095C-1-7	RHR to charging	2 C-K	C7.30	03/30/95
2-RS-001					
	2-SPM-091A-3-3	"A" inside recirc. spray pump discharge	2 C-H	C7.30	04/07/95



SPT No.	Zone No.	Description	Class Cat.	Item No.	Date
2-RS-002					
	2-SPM-091A-3-2	"B" inside recirc. spray pump discharge	2 C-H	C7.30	04/07/95
	2-SPM-091A-3-2	"B" inside recirc. spray pump discharge	2 C-H	C7.50	04/07/95
2-RS-007					
	2-SPM-091A-4-5	"B" outside recirc spray line to heat exchanger,	2 C-H	C7.40	04/07/95
	2-SPM-091B-1-6	To "B" outside recirc. spray pump suction	2 C-H	C7.30	04/07/95
2-SI-001					
	2-SPM-096B-1-2	"A" accumulator	2 C-B	C2.33	03/25/95
2-SI-002					
	2-SPM-096B-2-2	"B" accumulator	2 C-B	C2.33	03/25/95
2-SI-003					
	2-SPM-096B-3-2	"C" accumulator	2 C-B	C2.33	03/25/95
	2-SPM-096B-3-2	"C" accumulator	2 C-H	C7.10	03/25/95
2-SI-005					
	2-SPM-096B-1-5	Nitrogen supply penetration 53, Code Case N-522.	2 C-H	C7.30	03/30/95
2-SI-006					
	2-SPM-096A-1-4	Low head safety injection suction from containment sump	2 C-H	C7.70	04/07/95
2-SI-007					
	2-SPM-096A-1-5	Low head safety injection suction from RWST	2 C-H	C7.30	03/26/95
	2-SPM-096B-1-6	Accumulator makeup, penetration 20	2 C-H	C7.30	03/26/95
2-SI-008					
	2-SPM-096A-2-9	Accumulator test line to penetration 106	2 C-H	C7.30	03/26/95
	2-SPM-096B-1-7	Accumulator test line, penetration 106	2 C-H	C7.30	03/26/95
2-SI-009					
	2-SPM-096A-1-1	"A" low head safety injection pump	2 C-H	C7.30	05/24/95
	2-SPM-096A-2-1	"A" low head safety injection pump discharge	2 C-H	C7.30	05/24/95
	2-SPM-096A-2-4	Low head safety injection to charging	2 C-H	C7.40	05/24/95
	2-SPM-096A-2-5	Low head safety injection to penetration 62	2 C-H	C7.30	05/24/95
2-SI-010					
	2-SPM-091A-1-1	RWST to low head safety injection and charging	2 C-H	C7.30	05/24/95
	2-SPM-095B-2-7	Low head safety injection to charging	2 C-H	C7.30	05/24/95
	2-SPM-095B-2-8	RWST to charging	2 C-H	C7.30	05/24/95
	2-SPM-096A-1-2	"B" low head safety injection pump	2 C-H	C7.30	05/24/95
	2-SPM-096A-1-3	"A" low head injection discharge	2 C-H	C7.30	05/24/95
	2-SPM-096A-2-10	Low head safety injection test line	2 C-H	C7.30	05/24/95
	2-SPM-096A-2-2	"B" low head safety injection pump discharge	2 C-H	C7.30	05/24/95
	2-SPM-096A-2-3	Accumulator test line	2 C-H	C7.30	05/24/95
2-SI-011					
	2-SPM-096A-3-1	Boron injection tank	2 C-B	C2.33	05/24/95
	2-SPM-096B-4-5	high head safety injection to "C" loop	1 B-P	B15.50	05/24/95
	2-SPM-096B-4-8	high head safety injection from penetration 22	2 C-H	C7.30	05/24/95
2-SI-012					
	2-SPM-096B-4-6	high head safety injection from penetration 7	2 C-H	C7.30	05/24/95
2-SI-013					
	2-SPM-096B-4-9	high head safety injection from penetration 113	2 C-H	C7.30	05/24/95
2-SI-014					
	2-SPM-096A-3-2	Charging to hot legs, penetration 114	2 C-H	C7.30	05/24/95
	2-SPM-096B-4-7	high head safety injection from penetration 114	1 B-P	B15.50	05/24/95

SPT No.	Zone No.	Description	Class Cat.	Item No.	Date
2-SI-015					
	2-SPM-096A-2-6	Low head safety injection to penetration 60	2	C-H C7.30	05/24/95
	2-SPM-096B-4-2	Low head safety injection from penetration 60	2	C-H C7.30	05/24/95
2-SI-016					
	2-SPM-096A-2-7	Low head safety injection to penetration 61	2	C-H C7.30	05/24/95
	2-SPM-096B-4-3	Low head safety injection from penetration 61	2	C-H C7.30	05/24/95
2-SI-017					
	2-SPM-096A-2-8	Low head safety injection to penetration 62	2	C-H C7.30	05/24/95
	2-SPM-096B-4-4	Low head safety injection from penetration 62	2	C-H C7.30	05/24/95
2-VP-001					
	2-SPM-072A-2-1	Aux. steam penetration 89, Code Case N-522.	2	C-H C7.30	03/30/95

2-PT-48 Visual Inspection of ASME Class 1 Pressure Boundary Components. The examinations were completed on 3/25/95. The following is a summary of the reportable indications and corrective actions.

2-RC-HCV-2556A Boric acid crystals at the body to bonnet interface. The studs and nuts were removed, cleaned, and reinstalled with a new gasket under Work Order 315460.

2-RC-HCV-2556B Boric acid crystals at the body to bonnet interface. The studs and nuts were removed, cleaned, and reinstalled with a new gasket under Work Order 282794-2.

2-RC-HCV-2556C Packing leak. The packing was replaced under Work Order 315464.

2-RC-HCV-2557A Boric acid crystals at the packing gland. The packing gland and packing gland studs were cleaned and retorqued under Work Order 315421.

2-RC-HCV-2557C Packing leak. The packing was replaced under Work Order 315447.

2-RC-MOV-2536 Boric acid crystals on a couple of studs. The studs were replaced one at a time under Repair and Replacement 95-119.

2-RC-PCV-2455A Packing leaking. The packing was replaced under Work Order 314032

2-SI-124 Boric acid crystal at the body to bonnet interface. The studs and nuts were removed, cleaned, and reinstalled with a new gasket under Work Order 315390.

#### Steam Generator Tubing Eddy Current Examination

During the 1995 Unit 2 Refueling Outage the lower portion, including tubes, of all steam generators were replaced. The preservice examination was performed prior to installation at manufacturer's facility.

The 1993 NIS-1 report incorrectly indicated the number of tubes full length tubes tested in steam generator "A" as 3106. The correct number was 3098. For steam generator "C" the number of tubes full length tested with bobbin probes was incorrectly reported as 3120. The correct number was 2938. Also tube R12-C48 with single circumferential anomaly at the first support plate on the hot side and single circumferential liftoff at the second support plate on hot side should be added to list of tubes for steam generator "C".

#### Snubber Replacements

During the 1995 Unit 2 Refueling Outage 100% of the snubbers were inspected. A number of minor discrepancies were observed, but it was determined either by engineering evaluation or functionally testing that all the snubbers were operable.

Also during this inspection, 85 snubbers were removed for Technical Specification functional testing. An additional four snubbers were functionally tested due to previous failures. One snubber, 2-BD-HSS-003A, failed the functional test on low tension bleed rate and was reported under Station Deviation Report DR-N-95-0790. This failure did not require an expansion of the test sample.

**ATTACHMENT 2**

**1995 UNIT 2 REFUELING OUTAGE  
INSERVICE INSPECTION SUMMARY REPORT**

**OWNER'S REPORT OF REPAIRS AND REPLACEMENTS**

**NORTH ANNA POWER STATION - UNIT 2  
P.O. BOX 402  
MINERAL, VA 23117**

**COMMERCIAL SERVICE DATE 12-14-80**

**AUGUST 28, 1995**

**VIRGINIA ELECTRIC AND POWER COMPANY  
5000 DOMINION BOULEVARD  
GLEN ALLEN, VA 23060**

### Repairs and Replacements

Repairs and replacements completed during this inservice inspection period were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1986 Edition.

The following paragraphs and the attached NIS-2 Forms (Attachment 2, pages 8 thru 115) represent those repairs and replacements performed on Class 1 or Class 2 systems:

RR# 93-477, Replaced bonnet bolting on quench spray valve 2-QS-39. This replacement was performed on Work Order 273527-01 and completed on 11/23/93.

RR# 94-016, Replaced pump casing and the 3 inch discharge piping on chemical and volume control pump 2-CH-P-1B. This replacement was performed on Work Order 265257-04 and completed on 02/02/94.

RR# 94-027, Replaced suction flange bolting on chemical and volume control line, 6"-CH-418-153A-Q2, to 2-CH-P-1B. This replacement was performed on Work Order 265257-03 and completed on 01/19/94.

RR# 94-029, Cut a window in the cradle to allow alignment boss to be cut and rewelded on chemical and volume control pump 2-CH-P-1B. This replacement was performed on Work Order 265257 and completed on 01/29/94.

RR# 94-032, Replaced studs and nuts due to paint on bolting and misplaced material on chemical and volume control pump 2-CH-P-1B. This replacement was performed on Work Order 265257-07 and completed on 03/10/94.

RR# 94-045, Machined valve body to restore dimensions to factory specifications on main steam pressure control valve 2-MS-PCV-201A. This replacement was performed on Work Order 282018 and completed on 02/04/94.

RR# 94-046, Replaced body to bonnet studs and nuts on main steam pressure control valve 2-MS-PCV-201A. This replacement was performed on Work Order 282018 and completed on 03/08/94.

RR# 94-052, Repaired a 4 1/2 inch by 5/8 inch by 1/8 inch gouge on feedwater pipe 2-FW-424-601. This replacement was performed on Work Order 272893 and completed on 04/26/95.

RR# 94-054, Replaced valve and piping on on chemical and volume control motor operated valve 2-CH-MOV-2370. This replacement was performed on Work Order 273758-01 and completed on 5/27/95.

RR# 94-093, Replaced discharge flange bolting on chemical and volume control pump 2-CH-P-1A. This replacement was performed on Work Order 285695 and completed on 06/21/94.



RR# 94-100, Replaced bonnet studs and nuts and replaced pilot plug on main steam pressure control valve 2-MS-PCV-201A. This replacement was performed on Work Order 286808 and completed on 04/14/94.

RR# 94-107, Replaced bonnet studs and nuts and replaced pilot plug on main steam pressure control valve 2-MS-PCV-201A. This replacement was performed on Work Order 286808 and completed on 04/14/94.

RR# 94-133, Replaced casing, supports & discharge pipe weld on chemical and volume control pump 2-CH-P-1A. This replacement was performed on Work Order 265255 and completed on 07/21/94.

RR# 94-134, Replaced valve disc/plug on high rad. sampling trip valve 2-HC-TV-207B. This replacement was performed on Work Order 290371 and completed on 4/26/95.

RR# 94-146, Replaced pump main flange and seal water injection line on reactor coolant pump 2-RC-P-1B. This replacement was performed on Work Order 290971-01 and completed on 06/08/94.

RR# 94-151, Replaced manway bolting on chemical and volume control boron injection tank 2-CH-TK-2. This replacement was performed on Work Order 282796 and completed on 06/23/94.

RR# 94-164, Replaced pipe elbow flange bolting due to corrosion on chemical and volume control pipe 6"-CH-419-153A-Q2. This replacement was performed on Work Order 291619 and completed on 06/23/94.

RR# 94-382, Replaced body to bonnet bolting on safety injection motor operated valve 2-SI-MOV-2864B. This replacement was performed on Work Order 281415 and completed on 04/10/95.

RR# 94-393, Installed new check valve on chemical and volume control check valve 2-CH-495. This replacement was performed on Work Order 302558 and completed on 5/3/95.

RR# 94-398, Replaced steam generators and portions of associated piping and valves per DCP 93-011 on reactor coolant steam generator 2-RC-E-1A. This replacement was performed on Work Order 303030-03 and completed on 5/30/95.

RR# 94-399, Replaced steam generators and portions of associated piping and valves per DCP 93-011 on reactor coolant steam generator 2-RC-E-1B. This replacement was performed on Work Order 303136-02 and completed on 5/30/95.

RR# 94-400, Replaced steam generators and portions of associated piping and valves per DCP 93-011 on reactor coolant steam generator 2-RC-E-1C. This replacement was performed on Work Order 303137-01 and completed on 5/30/95.



RR# 94-411, Replaced bonnet bolting on residual heat removal valve 2-RH-1. This replacement was performed on Work Order 281174 and completed on 04/13/95.

RR# 94-414, Replaced the discharge flange bolting on quench spray pump 2-QS-P-1B. This replacement was performed on Work Order 304894 and completed on 04/21/95.

RR# 94-429, Replaced flange bolting on residual heat removal pipe 14"-RH-402-602-Q2. This replacement was performed on Work Order 307363 and completed on 04/14/95.

RR# 95-001, Replaced service water gate valve 2-SW-106. This replacement was performed on Work Order 307443 and completed on 5/25/95.

RR# 95-003, Replaced instrument port conoseals with articulating clamps on reactor coolant conoseal clamps 2-RC-R-1. This replacement was performed on Work Order 288907-02 and completed on 5/30/95.

RR# 95-033, Replaced snubber support steel and end bracket on reactor coolant snubber 2-RC-HSS-144. This replacement was performed on Work Order 303197 and completed on 04/26/95.

RR# 95-035, Replaced bonnet studs and nuts on quench spray valve 2-QS-40. This replacement was performed on Work Order 260775 and completed on 5/16/95.

RR# 95-041, Replaced manway bolting on quench spray refueling water storage tank 2-QS-TK-1. This replacement was performed on Work Order 312424 and completed on 02/22/95.

RR# 95-044, Replaced pump casing and repaired indications on pump foot WS-04 on chemical and volume control pump 2-CH-P-1C. This replacement was performed on Work Order 265259 and completed on 03/21/95.

RR# 95-047, Replaced adjacent piping and safety injection valve 2-SI-164. This replacement was performed on Work Order 313266 and completed on 5/30/95.

RR# 95-048, Replaced adjacent piping and safety injection valve 2-SI-181. This replacement was performed on Work Order 313265 and completed on 5/30/95.

RR# 95-062, Replaced valves and installed flow elements on safety injection flow elements DCP-94008. This replacement was performed on Work Order 306554 and completed on 5/30/95.

RR# 95-065, Replaced bonnet bolting on safety injection motor operated valve 2-SI-MOV-2860A. This replacement was performed on Work Order 314198 and completed on 4/12/95. Completed work order was forwarded to records prior to ANII final review. Deviation Report N-95-681 documents corrective actions.

RR# 95-085, Replaced bonnet bolting on quench spray motor operated valve 2-QS-MOV-202B. This replacement was performed on Work Order 315042 and completed on 4/4/95.

RR# 95-101, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-201A. This replacement was performed on Work Order 292441 and completed on 03/29/95.

RR# 95-102, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-201B. This replacement was performed on Work Order 292442 and completed on 03/29/95.

RR# 95-103, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-201C. This replacement was performed on Work Order 292443 and completed on 03/29/95.

RR# 95-104, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-202A. This replacement was performed on Work Order 292444 and completed on 03/29/95.

RR# 95-105, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-202B. This replacement was performed on Work Order 292445 and completed on 03/29/95.

RR# 95-106, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-202C. This replacement was performed on Work Order 292446 and completed on 03/29/95.

RR# 95-107, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-203A. This replacement was performed on Work Order 292447 and completed on 03/29/95.

RR# 95-108, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-203B. This replacement was performed on Work Order 292448 and completed on 03/29/95.

RR# 95-109, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-203C. This replacement was performed on Work Order 292449 and completed on 03/29/95.

RR# 95-110, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-204A. This replacement was performed on Work Order 292450 and completed on 03/29/95.

RR# 95-111, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-204B. This replacement was performed on Work Order 292451 and completed on 03/29/95.

RR# 95-112, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-204C. This replacement was performed on Work Order 292452 and completed on 03/29/95.

RR# 95-113, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-205A. This replacement was performed on Work Order 292453 and completed on 03/29/95.

RR# 95-114, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-205B. This replacement was performed on Work Order 292454 and completed on 03/29/95.

RR# 95-115, Replaced inlet flange bolting on main steam safety valve 2-MS-SV-205C. This replacement was performed on Work Order 292455 and completed on 03/29/95.

RR# 95-119, Replaced body to bonnet bolting on reactor coolant motor operated valve 2-RC-MOV-2536. This replacement was performed on Work Order 315317 and completed on 03/29/95.

RR# 95-122, Replaced manway bolting on quench spray refueling water storage tank 2-QS-TK-1. This replacement was performed on Work Order 315216 and completed on 03/30/95.

RR# 95-134, Removed and reinstalled on blowdown valve 2-BD-21. This replacement was performed on Work Order 272246 and completed on 5/21/95.

RR# 95-136, Replaced bonnet bolting on reactor coolant hand control valve 2-RC-HCV-2557A. This replacement was performed on Work Order 315421 and completed on 5/12/95.

RR# 95-154, Modified pipe supports H-239 and H-238 on chemical and volume control component supports 2-CH-PP-411. This replacement was performed on Work Order 273758-03 and completed on 4/19/95.

RR# 95-156, Replaced body to bonnet bolting on residual heat removal valve 2-RH-25. This replacement was performed on Work Order 282792 and completed on 04/07/95.

RR# 95-157, Replaced component cooling valve 2-CC-199. This replacement was performed on Work Order 315895 and completed on 5/27/95.

RR# 95-161, Replaced on quench spray manway bolting 2-QS-TK-1. This replacement was performed on Work Order 315976-01 and completed on 4/8/95.

RR# 95-165, Replaced valve nozzle on chemical and volume control relief valve 2-CH-RV-2203. This replacement was performed on Work Order 292338 and completed on 5/30/95.

RR# 95-167, Replaced locknut and 4 washers on chemical and volume control component support 2-CH-R-1. This replacement was performed on Work Order 316155 and completed on 04/22/95.

RR# 95-181, Replaced upper restraint pin/nuts on reactor coolant component support 2-RC-R-2A. This replacement was performed on Work Order 303030 and completed on 5/13/95.

RR# 95-183, Replaced piping and safety injection valve 2-SI-MOV-2867B. This replacement was performed on Work Order 285304-02 and completed on 5/20/95. Completed work order was forwarded to records prior to ANII final review. Deviation Report N-95-955 documents corrective actions.

RR# 95-194, Replaced valve disc on chemical and volume control valve 2-CH-358. This replacement was performed on Work Order 302707 and completed on 04/15/95.

RR# 95-197, Replaced adjacent piping and safety injection valve 2-SI-100. This replacement was performed on Work Order 277473-02 and completed on 5/30/95.

RR# 95-202, Replaced hanger clamp bolting on reactor coolant component support 2-RC-R-1. This replacement was performed on Work Order 316149-01 and completed on 04/21/95.

RR# 95-206, Replaced spring lock washer on reactor coolant snubber 2-RC-HSS-010B. This replacement was performed on Work Order 288054 and completed on 5/4/95.

RR# 95-207, Replaced upper restraint pin on reactor coolant snubber 2-RC-HSS-1A. This replacement was performed on Work Order 303030 and completed on 5/12/95.

RR# 95-223, Fabricated and installed beveled washer on hanger baseplate on safety injection pipe support 2-SI-SH-39. This replacement was performed on Work Order 317019 and completed on 04/28/95.

RR# 95-224, Replaced body to bonnet bolting on safety injection valve 2-SI-153. This replacement was performed on Work Order 317392 and completed on 05/03/95.

RR# 95-230, Replaced flange bolting on chemical and volume control pipe flange 2-CH-492-1502-Q1. This replacement was performed on Work Order 317554 and completed on 5/10/95.



RR# 95-231, Replaced on chemical and volume control valve 2-CH-297. This replacement was performed on Work Order 306594-02 and completed on 5/30/95. An ANII hold point was bypassed. Deviation Report N-95-1043 documents corrective actions.

RR# 95-233, Replaced valve and adjacent piping on residual heat removal valve 2-RH-45. This replacement was performed on Work Order 317864-01 and completed on 5/29/95. An ANII hold point was bypassed. Deviation Report N-95-1042 documents corrective actions.

RR# 95-235, Repaired pipe excavation on feedwater pipe 3"-WAPD-427-601-Q2. This replacement was performed on Work Order 306952 and completed on 5/12/95.

RR# 95-244, Modified on reactor coolant pipe support 2-RC-PH-458.4. This replacement was performed on Work Order 318212-02 and completed on 5/19/95. An ANII hold point was bypassed. Deviation Report N-95-1031 documents corrective actions.

RR# 95-254, Replaced adjacent piping and main steam valve 2-MS-79. This replacement was performed on Work Order 318199 and completed on 5/23/95.

RR# 95-262, Modified reactor coolant hydraulic snubber 2-RC-HSS-458.2. This replacement was performed on Work Order 318214-02 and completed on 5/17/95.

RR# 95-272, Replaced clamp bolting on feedwater hydraulic snubber 2-FW-HSS-225. This replacement was performed on Work Order 303670-01 and completed on 5/20/95.

RR# 95-273, Replaced secondary manway and manway bolting on steam generator 2-RC-E-1C. This replacement was performed on Work Order 303418-01 and completed on 5/22/95.

RR# 95-274, Replaced restraint washer on main steam hydraulic snubber 2-MS-HSS-218A. This replacement was performed on Work Order 318869-01 and completed on 5/22/95.

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

1. Owner Virginia Electric & Power Company Date 03/04/94  
5000 Dominion Blvd. Glen Allen, VA. 23060  
 Name Address Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
P.O. Box 402 Mineral, VA. 23117  
 Name Address WO # 27352701, R/R Program 93-477  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd. Glen Allen, VA. 23060  
 Name Address Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Quench Spray
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78, 81, 83 (R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 Addenda 115 3-8-94

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Gate Valve	ALOYCO	Unk.	N/A	2-QS-39	Unk.	Replaced	No
Gate Valve	ALOYCO	Unk.	N/A	2-QS-39	Unk.	Replacement	No

7. Description of Work Replaced body to bonnet bolting to improve reliability.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure Norm. psi Test Temp. Amb. °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached  
Performed VT-2 examination following valve reassembly.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed M. P. Hamilton  
Owner or Owner's Designee, Title

ISI Engineer

Date March 8, 19 94

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10/23/83 to 11/23/83, 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.

Moh. M. Abu  
Inspector's Signature

Commissions

9531, VA424, I.N.A.  
National Board, State, Province, and Endorsements

Date March 15, 19 94

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

1. Owner Virginia Electric & Power Company Date 03/10/94  
5000 Dominion Blvd. Glen Allen, VA. 23060  
 Address
2. Plant North Anna Power Station Unit 2  
P.O. Box 402 Mineral, VA. 23117  
 Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System CVCS (Charging)
5. (a) Applicable Construction Code Draft Pump/Valve 19.68 Edition, No Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.86 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3-CH-402-1502-Q2	VA Power	Unk.	N/A	Weld 50W	1994	Replaced	No
Pump Casing	Pacific	Unk.	N/A	2-CH-P-1B	1972	Replaced	No
Pump Casing	Pacific	49185	N/A	2-CH-P-1B	1974	Replacement	No

7. Description of Work Replaced pump casing and 3 in discharge pipe weld.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2800 psi Test Temp. NOM. °F

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



# FORM NIS-2 (Back)

9. Remarks ASME XI Class 2. USED CODE CASE 1946-1  
Applicable Manufacturer's Data Reports to be attached  
Performed VT-2, LP and RT examinations.  
Welding performed by PCI.

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed S.P. Hamill ISI Engineer Date March 10, 19 94  
 Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/13/94 to 2/2/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Hines Commissions 9531, VA424, I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsement:  
 Date March 16 19 94

Docket Number: 50-339  
 Serial Number: 94-688  
 Attachment 2 95-316  
 Page 18 of 98  
 16 115

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

1. Owner Virginia Electric & Power Company Date 03/10/94  
5000 Dominion Blvd. Glen Allen, VA. 23060  
 Address
2. Plant North Anna Power Station Unit 2  
P.O. Box 402 Mineral, VA. 23117  
 Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System CVCS (Charging)
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe Flange	Unk.	Unk.	N/A	6-CH-418-153A-Q2	Unk.	Replaced	No
Pipe Flange	Unk.	Unk.	N/A	6-CH-418-153A-Q2	Unk.	Replacement	No

7. Description of Work Replaced flange studs and nuts for good maintenance practice.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure N/A psi Test Temp. N/A °F None

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 ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed J.P. Hamill  
Owner or Owner's Designee, Title

ISI Engineer

Date March 10, 19 94

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/18/94 to 1/19/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Hara  
Inspector's Signature

Commissions 9531, VA424, I, N, A  
National Board, State, Province, and Endorsements

Date March 15, 19 94

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

1. Owner Virginia Electric & Power Company Date 03/10/94  
5000 Dominion Blvd. Glen Allen, VA. 23060  
 Address
2. Plant North Anna Power Station Unit 2  
P.O. Box 402 Mineral, VA. 23117  
 Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System CVCS (Charging)
5. (a) Applicable Construction Code Draft Pump/V19.69 Edition, No Addenda, Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19.86 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pump	Pacific	Unk.	N/A	2-CH-P-1B	Unk.	Replaced	No
Pump	Pacific	Unk.	N/A	2-CH-P-1B	Unk.	Replacement	No

7. Description of Work Cut window in cradle to allow alignment boss to be cut and rewelded.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure N/A psi Test Temp. N/A °F VT-3 and LP

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



# FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Performed VT-3 on pump cradle and alignment sleeve after maintenance was

completed. Performed LP examination on full penetrant welds.

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date March 10 19 94  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/25/94 to 1/25/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Med M. Hara Commissions 9531 VA424 INA  
Inspector's Signature National Board, State, Province, and Endorsements

Date March 15 19 94

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

1. Owner Virginia Electric & Power Company Date 03/10/94  
5000 Dominion Blvd. Glen Allen, VA. 23060  
Address  
Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
P.O. Box 402 Mineral, VA. 23117  
Address  
WO # 265257-07, R/R Program 94-032  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd. Glen Allen, VA. 23060  
Address  
Authorization No. N/A  
Expiration Date N/A
4. Identification of System CVCS (Charging)
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78, 81, 83 (R), 115 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pump	Pacific	Unk.	N/A	2-CH-P-1B	Unk.	Replaced	No
Pump	Pacific	Unk.	N/A	2-CH-P-1B	Unk.	Replacement	No

7. Description of Work Replaced studs and nuts due to paint on bolting or may be lost.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure N/A psi Test Temp. N/A °F None

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

# FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed J.P. Hamill, ISI Engineer  
Owner or Owner's Designee, Title

Date March 10, 19 94

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/19/94 to 3/10/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M. M. Han  
Inspector's Signature

Commissions 9531, VA424, I, N, A  
National Board, State, Province, and Endorsements

Date March 15, 19 94

Docket Number: 50-339  
Serial Number: 95-316  
Attachment 2  
Page 13 of 115

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

1. Owner Virginia Electric & Power Company Date 03/08/94  
Name  
5000 Dominion Blvd. Glen Allen, VA. 23060  
Address
2. Plant North Anna Power Station Sheet 1 of 1  
Name  
P.O. Box 402 Mineral, VA. 23117 Unit 2  
Address  
WO # 282018, R/R Program 94-045  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name  
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78, 81, 83 (R), 115 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Fisher	Unk.	N/A	2-MS-PCV-201A	Unk.	Repaired	No

7. Description of Work Machined valve body to restore dimensions to factory specifications.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ Pressure N/A psi Test Temp. N/A °F VT-1 and LP

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 ASME XI Class 2.  
Applicable Manufacturer's Data Reports to be attached  
Performed VT-1 and LP examination following valve reassembly.

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J. P. Hamill ISI Engineer Date March 8, 19 94  
 Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 2/3/94 to 2/4/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Ania Commissions 9531, VA444, I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date March 15, 19 94

6. Identification of Components Repaired or Replaced and Replacement Components

7. Description of Work Replaced studs and nuts in valve due to interference fit.

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

# FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed S.P. Hamill ISI Engineer  
Owner or Owner's Designee, Title

Date March 8, 19 94

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 2/12/94 to 3/8/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Hamill  
Inspector's Signature

Commissions 7531 VA424 I, N/A  
National Board, State, Province, and Endorsements

Date March 15, 19 94

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

1. Owner Virginia Electric & Power Company Date 5-4-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Name Address
2. Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117 R/R Program 94-052, WJO 00272843  
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
Name Address Expiration Date
4. Identification of System Feedwater
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 7B, 8, 8A, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	N/A	N/A	N/A	02-FW-PP-16 60- WEPD-PIPE-424-601 UNK		Repaired	NO

7. Description of Work Repair <sup>4 1/2"</sup>/<sub>4 4-45-6</sub> x <sup>5/8"</sup>/<sub>4 4-45-6</sub> x 1/8" gouge on piping
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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



FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

Performed LP surface examination and RT volumetric  
examination. Excavation size: Length 5", width: 3/4", Depth: 1/4"  
Welding performed by Atlantic Group personnel, PO Box 12716, Norfolk, VA

23541

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed S.P. Hamill ISI Engineer Date May 4, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.E. of Hartford, CT have inspected the components described in this Owner's Report during the period 10/4/93 to 4/26/95, 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.

Mark M. Hwa Commissions NB2531, VA424, I, N.A.  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/5 19 95

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

1. Owner Virginia Electric & Power Company Date 5-30-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 2
2. Plant North Anna Power Station Unit 2  
 Name  
P.O. Box 402 Mineral, VA 23112 Address  
DLP 95-109  
RIR Program 94-054, WO 00273758-01  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Flue-Daniels Type Code Symbol Stamp N/A  
 Name  
Daniels Bldg Greenville, SC 29601 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda 78, 81, 83, 85, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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, Gate 3"	N/A	N/A	N/A	2-CH-MDV-2370	UNK	Replaced	NO
Elbow, Pipe 3" 90 Degrees	N/A	N/A	N/A	3"-CH-411-150L42	UNK	Replaced	NO
Pipe, 3" NPS	N/A	N/A	N/A	3"-CH-411-150L2-Q2	UNK	Replaced	NO
Valve, Gate 3"	Valcon	952046	N/A	2-CH-MDV-2370	1995	Replacement	NO
Elbow, Pipe 3", 90 degrees	Custom Alloy	F289004	N/A	3"-CH-411-150L-Q2	1995	Replacement	NO

7. Description of Work Replace valve, pipe elbow and associated piping
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2795 psi Test Temp. 104.6 °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

Performed Construction Code Final RT and LP on all replacement welds. \* Performed  
Preservice final UT and LP examinations on all replacement welds. Performed VT-2  
visual examination at system normal operating pressure in lieu of hydrostatic  
test per Code Case N-16-1.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

S.P. Hamill

ISI Engineer

Date

May 30

19 95

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.B.T.T. of  
Hartford, CT. have inspected the components described  
 in this Owner's Report during the period 10/15/93 to 5/27/95, 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.

Mark M. Hana  
 Inspector's Signature

Commissions

NB 9531

VA 424

I, N, A

National Board, State, Province, and Endorsements

Date

June 7 19 95

Page 17 of 115

As required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric and Power Company Date 5-30-95  
Name  
5000 Dominion Boulevard Glen Allen, VA 23060 Sheet 2 of 2  
Address

2. Plant North Anna Power Station Unit 2  
Name  
P.O. Box 402 Mineral, VA 23117 DCA 95-109  
Address R/R Program 94-054, WD 00273258-01  
Repair Organization, P.O. No., Job No., etc.

3. Work Performed by Elmer Daniels Type Code Symbol Stamp N/A  
Name  
Daniels, Alde, Greenville, SC 29601  
Address

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

[illegible]



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

1. Owner Virginia Electric & Power Company Date 6-21-94  
 Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
P.O. Box 402, Mineral, VA 23117 Address  
R/R Program 94-093, W.O. 285695  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Chemical & Volume Control (CH)
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Bolting	N/A	N/A	N/A	2-CH-P-1A	N/A	Replaced	No
Bolting	Nuts - Allied Studs - NOVA	N/A	N/A	2-CH-P-1A	1992 1986	Replacement	No

7. Description of Work Replaced pump discharge flange bolting during maintenance.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure N/A psi Test Temp. N/A °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed S.P. Hamill ISI Engineer Date June 21, 19 94  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.E of Hartford, CT have inspected the components described in this Owner's Report during the period 5/25/94 to 6/21/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Hamill Commissions NB9531 E.N.A. VA424  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 6/23 19 94

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

1. Owner Virginia Electric & Power Company Date 9-19-94  
 Name  
5000 Dominion Blvd. Glen Allen VA 23060 Address  
 Sheet 1 of 2
2. Plant North Anna Power Station Unit 2  
 Name  
P.O. Box 402, Mineral VA 23117 Address  
R/A Program 94-100 & 94-107 W.O. 286808  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd. Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Steam (MS)
5. (a) Applicable Construction Code B31.7 19 69 Edition, w/ 1970 Addenda, 75, 81, 83, 84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Plug / Stem	Fisher	Valve Serial No. 5091028	N/A	2-MS-PCV-201A	N/A	Replaced	No
Plug / stem	Fisher	CBS841-1,3,3,4,5,6,7	N/A	2-MS-PCV-201A	1990	Replacement	No
Studs	N/A	N/A	N/A	2-MS-PCV-201A	N/A	Replaced	No
Studs	NOVA	H#M46640	N/A	2-MS-PCV-201A	1993	Replacement	No
Stud	NOVA	H#O-3479FX	N/A	2-MS-PCV-201A	1993	Replacement	No

7. Description of Work Replaced bonnet studs and nuts. Replaced pilot plug.  
 11/10/94
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure N/A psi Test Temp. N/A °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date October 28, 19 94  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.I. of Hartford, CT have inspected the components described in this Owner's Report during the period 7/14/94 to 7/14/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mal M. Hana Commissions NB 9531 VA 424 I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date Oct 28, 19 94



## SUPPLEMENTAL SHEET

Serial Number: 95-316

Page 20 of 115

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 Company Date September 27, 1994  
Name  
5000 Dominion Boulevard Glen Allen, VA 23060 Sheet 2 of 2  
Address  
 2. Plant North Anna Power Station Unit 1  
Name  
P.O. Box 402 Mineral, VA 23117 R/R Program 94-100 & 94-107 W.O. 286808  
Address Repair Organization, P.O. No., Job No., etc.  
 3. Work Performed by Virginia Electric and Power Company Type Code Symbol Stamp N/A  
Name  
P. O. Box 402 Mineral, VA 23117 Authorization No. N/A  
Address Expiration Date N/A  
 4. Identification of System Main Steam  
 5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78, 81, 83(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 with Summer 83 Addenda  
 6. Location of Components Repaired or Replaced and Replacement Components

[illegible]

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

1. Owner Virginia Electric & Power Company Date 6/24/94  
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 2  
 2. Plant North Anna Power Station Unit 2  
P.O. Box 402, Mineral, VA 23117 R/R Program 94-133, W.O. 265255, DCP 94-183  
 3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd., Glen Allen, VA 23060 Authorization No. N/A  
 Expiration Date N/A  
 4. Identification of System Chemical & Volume Control (CH)  
Draft Pump & Valve Code  
 5. (a) Applicable Construction Code 1969 Edition, No Addenda, No Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pump Casing	Pacific	46362	N/A	2-CH-P-1A	1972	Replaced	No
Pump Casing	Pacific	52411	566	2-CH-P-1A	1980	Replacement	No
Bolting	N/A	N/A	N/A	6-CH-419-153A-Q2	N/A	Replaced	No
Bolting	A&G Engr.	N/A	N/A	6-CH-419-153A-Q2	1993	Replacement	No
Pipe	N/A	N/A	N/A	3-CH-403-1502-Q2	N/A	Replaced	No

7. Description of Work Replaced pump casing and other replacement activities to facilitate removal of pump casing.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2650 psi Test Temp. Norm. Op. °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 (Rev. 1)

9. Remarks ASME Class 2 - USFC Code Case N416-1  
Applicable Manufacturer's Data Reports to be attached  
Performed LP and RT examinations on replacement welds.  
Performed VT-2 examinations on all welds and connections.  
Performed VT-3 examination on replacement support.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed S. P. Hamill ISI Engineer Date June 29, 19 94  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.I. of Hertford, Conn have inspected the components described in this Owner's Report during the period 5/26/94 to 7/21/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Hamill Commissions NB 2531, VA 424, I, N, A  
Inspector's Signature National Board, State, Province, and Endorsements

Date July 21 19 94

# SUPPLEMENTAL SHEET

Docket Number: 50-339

Serial Number: 95-316

Attachment 2

Page 22 of 115

## 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 Company Date JUNE 24, 1994  
Name
- 5000 Dominion Boulevard Glen Allen, VA 23060 Sheet 2 of 2  
Address
2. Plant North Anna Power Station Unit 2  
Name
- P.O. Box 402 Mineral, VA 23117 PROGRAM 94-133, W.O. 265255, DCP 94-183  
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Virginia Electric and Power Company Type Code Symbol Stamp N/A  
Name
- P. O. Box 402 Mineral, VA 23117 Authorization No. N/A  
Address
- Expiration Date N/A
4. Identification of System CHEMICAL & VOLUME CONTROL (CVCS)
5. (a) Applicable Construction Code DRAFT PUMP & VALVE CODE 19 69 Edition, NO Addenda, \_\_\_\_\_ Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 NO ADDENDA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PIPE	Combustion	N/A	N/A	3"-CH-403-1502-Q2	1989	Replacement	No
ELBOW	N/A	N/A	N/A	3"-CH-403-1502-Q2	N/A	Replaced	No
ELBOW	Taylor Forg	N/A	N/A	3"-CH-403-1502-Q2	1993	Replacement	No
SUPPORT	VA Power	N/A	N/A	2-CH-R-102	1994	Replacement	No
WELD BBB	VA Power	N/A	N/A	3"-CH-403-1502-Q2	1994	Replacement	No
WELD 60W	VA Power	N/A	N/A	3"-CH-403-1502-Q2	1994	Replacement	No
WELD AAB	VA Power	N/A	N/A	3"-CH-403-1502-Q2	1994	Replacement	No



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

1. Owner Virginia Electric & Power Company Date 6-6-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R Program 94-134, WD 00290371-01 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Post Accident Hydrogen Removal
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda, 75, 81, 83/84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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 Plug/ Disk	Copco-Vulcan	N/A	N/A	2-HC-TV-207B	unk	Replaced	NO
Valve Plug/ Disk	Copco-Vulcan	HT# 863049	N/A	2-HC-TV-207B	1987	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
Performed construction code LP on replacement plug.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date June 6, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.D. & S. of Hartford, CT. have inspected the components described in this Owner's Report during the period 5/23/94 to 4/26/95, 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.

Mal M. H... Commissions NB 9531, VA 424, I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 6, 19 95

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

1. Owner Virginia Electric & Power Company Date 11-14-94  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060  
Address
2. Plant North Anna Power Station Unit 2  
Name  
P.O. Box 402, Mineral, VA 23117  
Address R/R Program 94-146 W.O. 290971-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060  
Address Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Reactor Coolant (RC)
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78A, 83R, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	N/A	N/A	N/A	2-RC-P-1B	Unk.	Replaced	No
1 1/2" Pipe	Sandvik Steel	Heat No. 471597	N/A	2-RC-P-1B	1985	Replacement	No
1 1/2" Flange	N/A	N/A	N/A	2-RC-P-1B	Unk.	Replaced	No
1 1/2" Flange	WFI Nuclear Products	Heat Code 233WNE	N/A	2-RC-P-1B	1994	Replacement	No

7. Description of Work Replace pump main flange and seal water injection line.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2235 psi Test Temp. Normal Op. °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class I  
 Applicable Manufacturer's Data Reports to be attached  
Performed RT and LP examination on weld SW-98A.  
Performed LP examination on weld S9A.  
Performed system leakage test in accordance with relief request SPT-1.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date November 14, 19 94  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H. J. O. I. I. of Hartford, CT have inspected the components described in this Owner's Report during the period 6/2/94 to 6/8/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Allen Commissions NB9531 VA424 INA  
 Inspector's Signature National Board, State, Province, and Endorsements

Date Nov 22, 19 94



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

1. Owner Virginia Electric & Power Company Date 6-22-94  
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1  
 2. Plant North Anna Power Station Unit 2  
P.O. Box 402, Mineral, VA 23117 R/R 94-151 W.O. 282796  
 Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd., Glen Allen, VA 23060 Authorization No. N/A  
 Expiration Date N/A  
 4. Identification of System Chemical & Volume Control (CH)  
 5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 P No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Bolting	N/A	N/A	N/A	2-CH-TK-2	Unk.	Replaced	No
Bolting	Studs - Cardinal & NOVA Nuts - Texas Bolt	N/A	N/A	2-CH-TK-2	1990 1992 1994	Replacement	No

7. Description of Work Replaced tank manway bolting for reliability.  
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure Norm psi Test Temp. Amb °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2  
Performed VT-2 of manway bolted connection.  
Performed VT-3 of the replaced (old) studs per commitment  
02-94-2103-001.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date June 23, 19 94  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.A.I.E. of Hartford, CT have inspected the components described in this Owner's Report during the period 2/28/94 to 6/23/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Hara Commissions NB9531 E.N.A. VA434  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 6/23 19 94

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

1. Owner Virginia Electric & Power Company Date 6-21-94  
 Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
P.O. Box 402, Mineral, VA 23117 Address  
R/R Program 94-164, W.O. 291619 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd., Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Chemical & Volume Control (CH)
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78, 81, 83(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Bolting	N/A	N/A	N/A	6"CH-419-153A-2	Unk	Replaced	No
Bolting	Nuts - U.S. Bolt Studs - ABG Engr.	N/A	N/A	6"CH-419-153A-2	1994 1993	Replacement	No

7. Description of Work Replaced pipe elbow flange bolting due to corrosion.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure 7.5 psi Test Temp. N/A °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed J.P. Hamill ISI Engineer  
Owner or Owner's Designee, Title

Date June 21, 19 94

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B. I.I. of Hartford, CT. have inspected the components described in this Owner's Report during the period 6/16/94 to 6/23/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Hines  
Inspector's Signature

Commissions NB8531 I, N, A VA424  
National Board, State, Province, and Endorsements

Date 6/23 19 94



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

1. Owner Virginia Electric & Power Company Date 4-24-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Name Address
2. Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117 R/R Program 94-382, W.O. 00281415  
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
Name Address Expiration Date
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda 79, 84, 93(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, structural 7/8" diameter	N/A	N/A	N/A	2-SI-MRV-2864B	UNK	Replaced	NO
Nut, Heavy Hex 7/8"	N/A	N/A	N/A	2-SI-MRV-2864B	UNK	Replaced	NO
Rod, Threaded 7/8" Diameter	US Bolt	HT# 50017	N/A	2-SI-MRV-2864B	1994	Replacement	NO
Nut, Heavy Hex 7/8"	TEXAS Bolt	HT# 15862TF	N/A	2-SI-MRV-2864B	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed S. P. Hamill ISI Engineer Date April 24, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.I. of Hartford, CT have inspected the components described in this Owner's Report during the period 11/15/94 to 4/10/95, 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.

Mark M. Hugg Commissions NBP531 VA424 JNA  
Inspector's Signature National Board, State, Province, and Endorsements

Date Apr. 25, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-30-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117  
 Address  
R/R Program 94-393, WD 00302558-01  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060  
 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 70, 81, 83R, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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, 3" NPS	N/A	N/A	N/A	3"-CH-473-153A-02	unk	Replaced	ND
Valve, Check 2"	Velan	921189-1	N/A	2-CH-495	1993	Replacement	ND
Fitting, Reducing 3"x2"	WFI	HT# 6226WVA	N/A	3"-CH-473-153A-02	1994	Replacement	ND
Pipe, 3" NPS	Combustion Engineering	HT# N19983	N/A	3"-CH-473-153A-02	1986	Replacement	ND
Elbow, Pipe 3", 90 Degrees	Ludish Co.	HT# 24TSJ	N/A	3"-CH-473-153A-02	1993	Replacement	ND

7. Description of Work Install redundant check valve
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure 165 psi Test Temp. 85 °F

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

FORM NIS-2 (Back)

9. Remarks ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
Performed construction code final LP on all replacement welds and  
construction code RT on welds 32, 39, 40A, 41, and 42. Performed VT-2  
visual examination on all welds during the performance of a hydrostatic  
test.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. 11 N/A Expiration Date N/A  
 Signed J.P. Hamill IST Engineer Date May 31, 19 95  
 Owner or Owner's Designee/Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.D. I & I of  
Hartford, CT. have inspected the components described  
 in this Owner's Report during the period 3/21/95 to 5/3/95, 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.

Mal M. Hagg Commissions NB 9531, VA 424, I.N.A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 8 19 95



# SUPPLEMENTAL SHEET

Docket Number: 50-339

Serial Number: 95-316

Attachment 2

Page 29 of 115

## 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 Company Date 5-30-95

5000 Dominion Boulevard Glen Allen, VA 23060

Sheet 2 of 2

2. Plant North Anna Power Station Unit 2

DCA 94-156

P.O. Box 402 Mineral, VA 23117

R/A Program 94-393 WO 00302558-61

3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

5802 Dominion Blvd Glen Allen, VA 23060

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe, 2" NPS	Sandvik Steel	SW-606	N/A	2"-CH-948-153A-Q2	1992	Replacement	NO
Weld 32	VP	N/A	N/A	3"-CH-473-153A-Q2	1995	Replacement	NO
Weld 34	VP	N/A	N/A	2"-CH-495	1995	Replacement	NO
Weld 35A	VP	N/A	N/A	2"-CH-495	1995	Replacement	NO
Weld 35	VP	N/A	N/A	2"-CH-948-153A-Q2	1995	Replacement	NO
Weld 40A	VP	N/A	N/A	3"-CH-473-153A-Q2	1995	Replacement	NO
Weld 41	VP	N/A	N/A	3"-CH-473-153A-Q2	1995	Replacement	NO
Weld 42	VP	N/A	N/A	3"-CH-473-153A-Q2	1995	Replacement	NO

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

1. Owner Virginia Electric & Power Company Date 6-19-95  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060  
Address
2. Plant North Anna Power Station Unit 2  
Name  
P.O. Box 402, Mineral, VA 23117  
Address R/R Program 94-398, DCP 93-11, W.O. 303030  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Bechtel Power Corporation Type Code Symbol Stamp N/A  
Name  
9801 Washington Blvd, Gaithersburg, MD 20878  
Address Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code ASME III 19 68 Edition, W68 Addenda, — Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Steam Generator	Westinghouse	1281	68-95	2-RC-E-1A	1973	Replaced	Yes
Steam Generator	Westinghouse	563L-12195	52	2-RC-E-1A	1995	Replacement	Yes
2" Globe Valve <small>1946-12-95</small>	N/A	N/A	N/A	2-BD-1	Unk.	Replaced	No
2 1/2" Globe Valve	Conval	2706	N/A	2-BD-1	1995	Replacement	No
2" Globe Valve	N/A	N/A	N/A	2-BD-4	Unk.	Replaced	No

7. Description of Work Replaced steam generator and portions of associated piping and valves.
8. Tests Conducted: Secondary Hydrostatic ☒ Pneumatic ☐ Primary Nominal Operating Pressure ☒  
 Other ☐ Pressure 1386 psi Test Temp. 86.4 - 105.6°F Secondary  
 Pressure 2235 psi Test Temp. 650°F Primary

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

FORM NIS-2 (Back)

9. Remarks ASME Class 1 lower assembly. Other components ASME Class 2.  
Applicable Manufacturer's Data Reports to be attached  
Surface examination performed on final welds. Used Code Case N 416-1  
RT examination performed on RC, MS and FW welds  
Preservice ultrasonic and surface examinations performed on RC, MS and FW welds.  
Preservice VT-3 examination performed on modified FW support.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed A.P. Hamill ISI Engineer Date June 20, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.B.I.R. of  
Hartford, CT have inspected the components described  
 in this Owner's Report during the period 3/13/95 to 5/30/95, 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.

Mark M. Howe Commissions NB7531 VAWY I, N, A  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 20, 19 95

Docket Number: 50-339  
Serial Number: 95-316  
Attachment 2  
Page 36 of 115

## Page 39 of 115

Page 39 of 115

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

[illegible]



SG3L-12195

Docket Number ~~10050~~ 50-339

Serial Number: 95-316

# FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Pg. 1 of 3

1. Manufactured and certified by WESTINGHOUSE ELEC CORP., PENSACOLA PLANT No. 5  
8301 Scenic Hwy., Rt. 90 name and address of MPT Certificate holder Pensacola, FL 32514-7810
2. Manufactured for Virginia Electric & Power Co., Innsbrook Technical Center  
5000 Dominion Blvd., name and address of purchaser Glenallen, VA 23060
3. Location of installation North Anna Power Station Unit #2, Rt. 700, Mineral, VA 23117  
name and address

- \*1 4. Type 4 drawing no. 1 sheet 1 spec. no. 1 nominal strength CRS 1995  
from built
- \*2 5. ASME Code, Section III, Division 1: 1 location access N-474-1, N-20-1, 2142, 2143  
Code Case no. 1
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A revision Date
7. Remarks: This part consists of one steam generator lower assembly which includes the channel head, partition plate, tube plate, tube bundle, and lower shell, with transition cone and all associated nozzles, bosses, access openings, and trunnions.

- \*1 8. Nom. thickness (in.)            Min. design thickness (in.)            Dis. ID (ft & in.)            Length overall (ft & in.)
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report: Channel Head S/N 1011

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) SG3L-12195	52	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

- \*3 10. Design pressure            psi. Temp.            °F. Hydro. test pressure 3107 psig min at temp. 70°F min  
(when applicable)

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

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

\*Notes are addressed on Page 3 of 3.

## FORM N-2 (Back — Pg. 2 of 3)

Certificate Holder's Serial Nos. \_\_\_\_\_

## CERTIFICATION OF DESIGN

Design specifications certified by G. V. SMITH P.E. State FL Reg. no. 45390  
(when applicable)

Design report\* certified by M. C. MISVEL P.E. State FL Reg. no. 33190  
(when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this ~~REPORT~~ Steam Generator Lower Assembly conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. 1670 Expires March 11, 1998

Date JAN 27, 1995 Name Westinghouse Electric Corp. Signed J. B. Allen  
NPT Certificate Holder's Authorized representative  
Pensacola Plant No. 5

## CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of FL and employed by ARKWRIGHT MUTUAL INS. CO. (FACTORY MUTUAL ENGINEERING ASSOCIATION) of Norwood, MA have inspected these items described in this Data Report on 01-27-95 and state that to the

best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the data shown above.

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

Date 01/27/95 Signed W. Y. Jones Commissions NB7245, N, FL214  
Authorized Inspector (List 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 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621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 205

# FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES\*

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

1. Manufactured and certified by WESTINGHOUSE ELEC. CORP., PENSACOLA PLANT No. 5  
8301 Scenic Hwy., Rt. 90 Pensacola, FL 32514-7810
2. Manufactured for Virginia Electric & Power Co., Innsbrook Technical Center  
5000 Bominion Blvd. Glenallen, VA 23060
3. Location of installation North Anna Power Station Unit #2, Rt. 700, Mineral, VA 23117

## NOTES

\*1

COMPONENT	DRAWING NO./REV.	MAT'L SPEC NO.	TENSILE STRENGTH (Min.)	THICKNESS		DIA.	LENGTH
				Nom.	Min. Design		
Channel Head	6142E79 G01/01	SA-508 Cl.3	80 KSI	5.21"	5.12"	10'5.52"	5'6.37"
Tube Plate	6142E77 G01/03	SA-508 Cl.3a	90 KSI	21.28"	21.25"	11'4"	2'3.6"
U-Tubes (Qty 3592)	6142E89 G01/01	SB-163 UNS 6690	100 KSI	.050"	.045"	.875"	Various
'A' Barrel	6146E57 H01/01	SA-508 Cl.3	80 KSI	3.35"	3.02"	10'9.4"	14'3.5"
'B' Barrel	6142E78 H02/02	SA-508 Cl.3	80 KSI	3.06"	3.02"	10'9.4"	14'3.5"
Transition Cone	6142E87 H01/03	SA-508 Cl.3	80 KSI	4.16"	4.12"	13'6"	6'3.8"
Partition Plate	3416C11 H02/04	SB-168 UNS 6690	85 KSI	2.00	1.99	—	10'5"

**WELD OVERLAY:** PRIMARY SIDE SURFACE OF THE TUBE PLATE IS OVERLAID WITH WELD-DEPOSITED NICKEL-CHROMIUM-IRON ALLOY. THE CHANNEL HEAD INTERIOR SURFACES, INCLUDING NOZZLES AND MANWAYS, IS OVERLAID WITH STAINLESS STEEL WELD DEPOSIT. PRIMARY NOZZLES INCLUDE SAFE ENDS OF SA-336, Cl.F316LN MATERIAL.

## NOZZLES:

PURPOSE	NO.	DIA.	TYPE	MATERIAL	THICKNESS	REINFORCEMENT MATERIAL	HOW ATTACHED
Shell Blowdown	2	2.50" NPS	—	SA-508 Cl.1a	.910"	N/A	Welded
Shell Drain	1	1.00" NPS	—	SA-508 Cl.1a	.660"	N/A	Welded
Water Level Tap	1	.75" NPS	—	SA-508 Cl.1a	.636"	N/A	Welded
Primary Side Inlet*	1	31.03" NPS	Integral	SA-508 Cl.3	5.30"	Same	Integral
Primary Side Outlet*	1	31.03" NPS	Integral	SA-508 Cl.3	5.30"	Same	Integral

\*With safe end of SA-336 Cl.F316LN, 3.24 min. thickness weld attached.

\*2: **CERTIFICATION OF CONSTRUCTION:** 1986 EDITION, NO ADDENDA

**MATERIAL:** 1986 EDITION, NO ADDENDA

**NDE:** 1986 EDITION, 1988 ADDENDA


\*3: PRIMARY SIDE 2485 psig @ 650 °F; SECONDARY SIDE 1085 psig @ 600 °F.

4: UNIT RECEIVED A FULL HEAT TREATMENT IN ACCORDANCE WITH SECTION III, DIV. 1, NB-4620.


5: UNIT RECEIVED A COMPLETE RT EXAMINATION IN ACCORDANCE WITH SECTION III, DIV. 1, NB-5000.

6: POST-HYDRO MT EXAMINATION OF CHANNEL HEAD-TO-TUBE PLATE WAS PERFORMED.

7: F&D SHIPPING HEAD AND PRIMARY NOZZLE HYDROCAPS ARE NOT PART OF THIS DATA REPORT.

		<b>NATIONAL BOARD NO.</b> <b>CERTIFIED BY PLANT NO. 5</b> <b>WESTINGHOUSE ELECTRIC CORPORATION</b> <b>PENSACOLA PLANT</b> <b>PENSACOLA, FLORIDA, USA</b>	
<b>CLASS</b> { N PI }	<b>PRIMARY SIDE</b>		<b>SECONDARY SIDE</b>
	<b>CHAMBER DESIGN</b>		<b>SHELL DESIGN</b>
	PSIG	°F	PSIG °F
	<b>TUBE BUNDLE DESIGN</b>		<b>TUBE BUNDLE DESIGN</b>
	PSIG	°F	PSIG °F
		<b>MFG. SERIAL NO.</b>	<b>YEAR BUILT</b>
<b>EQUIPMENT NAME: NUCLEAR STEAM GENERATOR</b>			
<b>SPIN NO.:</b>			



		NATIONAL BOARD NO. CERTIFIED BY PLANT NO. 5 WESTINGHOUSE ELECTRIC CORPORATION PENSACOLA PLANT PENSACOLA, FLORIDA, USA	
{ N 1 } CLASS	PRIMARY SIDE		SECONDARY SIDE
	CHAMBER DESIGN		SHELL DESIGN
	PSIG	°F	PSIG °F
	TUBE BUNDLE DESIGN		TUBE BUNDLE DESIGN
	PSIG	°F	PSIG °F
MFG. SERIAL NO.		YEAR BUILT	
EQUIPMENT NAME: NUCLEAR STEAM GENERATOR			
SP. NO.:			

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

1. Owner Virginia Electric & Power Company  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060  
Address
- Date 6-20-95
- Sheet 1 of 1
2. Plant North Anna Power Station  
Name  
P.O. Box 402, Mineral, VA 23117  
Address
- Unit 2
- R/R Program 94-899, DCP 93-11, W.O. 303136  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Bectel Power Corporation  
Name  
9801 Washington Blvd, Gaithersburg, MD 20878  
Address
- Type Code Symbol Stamp N/A
- Authorization No. N/A
- Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code ASME III 19 68 Edition, W 68 Addenda, — Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Steam Generator	Westinghouse	1282	68-96	2-RC-E-1B	1973	Replaced	Yes
Steam Generator	Westinghouse	SG3L-12196	53	2-RC-E-1B	1995	Replacement	Yes
2" Globe Valve	N/A	N/A	N/A	2-BD-13	Unk.	Replaced	No
2 1/2" Globe Valve	Conval	2703	N/A	2-BD-13	1995	Replacement	No
2" Globe Valve	N/A	N/A	N/A	2-BD-10	Unk.	Replaced	No
2 1/2" Globe Valve	Conval	2707	N/A	2-BD-10	1995	Replacement	No

7. Description of Work Replaced steam generator and portions of associated piping and valves.

8. Tests Conducted: Secondary Hydrostatic ☒ Pneumatic ☐ Primary Nominal Operating Pressure ☒  
 Other ☐ Pressure 1385 psi Test Temp. 103.4 - 106°F Secondary  
 Pressure 2235 psi Test Temp. 650°F Primary

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

FORM NIS-2 (Back)

9. Remarks ASME Class 1 lower assembly. Other components ASME Class 2.  
Applicable Manufacturer's Data Reports to be attached  
Surface examination performed on final welds. USED CODE CASE N4163  
RT examination performed on RC, MS and FW welds  
Preservice ultrasonic and surface examination performed on RC, MS and FW welds.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date June 20, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.D.I.I. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/13/95 to 5/30/95, 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.

Moh. M. Hana Commissions NA9531 VA424 I.N.A.  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 21, 19 95



IDENTICAL Number: 95-316

Attachment 2

Page 37 of 115

Pg. 1 of 3

As Required by the Provisions of the ASME Code, Section VIII  
Not to Exceed One Day's Production

\*Notes are addressed on Page 3 of 3.

(40261)  
Docket Number: 50-339  
Serial Number: 95-316  
Attachment 2  
Page 38 of 115

Certificate Holder's Serial Nos. \_\_\_\_\_

## CERTIFICATION OF DESIGN

Design specifications certified by G. V. SMITH P.E. State FL Reg. no. 45390  
Design report\* certified by M. C. MISVEL P.E. State FL Reg. no. 33190

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this Steam Generator Lower Assembly conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. 1670 Expires March 11, 1998  
Date JAN 27, 1995 Name Westinghouse Electric Corp. Signed J. B. Allen  
Pensacola Plant No. 5

## CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of FL and employed by ARKWRIGHT MUTUAL INS. CO. (FACTORY MUTUAL ENGINEERING ASSOCIATION) of Norwood, MA have inspected these items described in this Data Report on 01-27-95 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.  
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 01-27-95 Signed W. Y. Jones Commissions NB7245, N, FL214  
W. Y. Jones (Authorized Inspector) (Nat'l. Bd. and State or Prov. and no.)



## FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL

## NUCLEAR PARTS AND APPURTENANCES

As Required by the Provisions of the ASME Code, Section III

Not to Exceed One Day's Production

Docket Number: 50-339

Serial Number: 95-316

Attachment 2

Page 39 of 115

Pg. 3 of 3

1. Manufactured and certified by WESTINGHOUSE ELEC. CORP., PENSACOLA PLANT No. 5  
8301 Scenic Hwy., Rt. 90 name and address of manufacturer Pensacola, FL 32514-7810
2. Manufactured for Virginia Electric & Power Co., Innsbrook Technical Center  
5000 Bominion Blvd. name and address of purchaser Glenallen, VA 23060
3. Location of installation North Anna Power Station Unit #2, Rt. 700, Mineral, VA 23117  
name and address

## NOTES

\*1

COMPONENT	DRAWING NO./REV.	MAT'L SPEC NO.	TENSILE STRENGTH (Min.)	THICKNESS		DIA.	LENGTH
				Nom.	Min. Design		
Channel Head	6142E79 G01/01	SA-508 Cl.3	80 KSI	5.21"	5.12"	10'5.52"	5'6.37"
Tube Plate	6142E77 G01/03	SA-508 Cl.3a	90 KSI	21.28"	21.25"	11'4"	2'3.6"
U-Tubes (Qty 3592)	6142E89 G01/01	SB-163 UNS 6690	100 KSI	.050"	.045"	.875"	Various
'A' Barrel	6146E57 H01/01	SA-508 Cl.3	80 KSI	3.35"	3.02"	10'9.4"	14'3.5"
'B' Barrel	6142E78 H02/02	SA-508 Cl.3	80 KSI	3.06"	3.02"	10'9.4"	14'3.5"
Transition Cone	6142E87 H01/03	SA-508 Cl.3	80 KSI	4.16"	4.12"	13'6"	6'3.8"
Partition Plate	3416C11 H02/04	SB-168 UNS 6690	85 KSI	2.00	1.99	—	10'5"

WELD OVERLAY: PRIMARY SIDE SURFACE OF THE TUBE PLATE IS OVERLAID WITH WELD-DEPOSITED NICKEL-CHROMIUM-IRON ALLOY. THE CHANNEL HEAD INTERIOR SURFACES, INCLUDING NOZZLES AND MANWAYS, IS OVERLAID WITH STAINLESS STEEL WELD DEPOSIT. PRIMARY NOZZLES INCLUDE SAFE ENDS OF SA-336, Cl.F316LN MATERIAL.

NOZZLES:

PURPOSE	NO.	DIA.	TYPE	MATERIAL	THICKNESS	REINFORCEMENT MATERIAL	HOW ATTACHED
Shell Blowdown	2	2.50" NPS	—	SA-508 Cl.1a	.910"	N/A	Welded
Shell Drain	1	1.00" NPS	—	SA-508 Cl.1a	.660"	N/A	Welded
Water Level Tap	1	.75" NPS	—	SA-508 Cl.1a	.636"	N/A	Welded
Primary Side Inlet*	1	31.03" NPS	Integral	SA-508 Cl.3	5.30"	Same	Integral
Primary Side Outlet*	1	31.03" NPS	Integral	SA-508 Cl.3	5.30"	Same	Integral

\*With safe end of SA-336 Cl.F316LN, 3.24 min. thickness weld attached.

\*2: CERTIFICATION OF CONSTRUCTION: 1986 EDITION, NO ADDENDA

MATERIAL: 1986 EDITION, NO ADDENDA

NDE: 1986 EDITION, 1988 ADDENDA


\*3: PRIMARY SIDE 2485 psig @ 650 °F; SECONDARY SIDE 1085 psig @ 600 °F.



4: UNIT RECEIVED A FULL HEAT TREATMENT IN ACCORDANCE WITH SECTION III, DIV. 1, NB-4620.

5: UNIT RECEIVED A COMPLETE RT EXAMINATION IN ACCORDANCE WITH SECTION III, DIV. 1, NB-5000.

6: POST-HYDRO MT EXAMINATION OF CHANNEL HEAD-TO-TUBE PLATE WAS PERFORMED.

7: F&D SHIPPING HEAD AND PRIMARY NOZZLE HYDROCAPS ARE NOT PART OF THIS DATA REPORT.

 NATIONAL BOARD NO. CERTIFIED BY PLANT NO.: WESTINGHOUSE ELECTRIC CORPORATION PENSACOLA PLANT PENSACOLA, FLORIDA, USA			
{ N } { 121 } CLASS	PRIMARY SIDE		SECONDARY SIDE
	CHAMBER DESIGN		SHIELD DESIGN
	PSIG	°F	PSIG °F
	TUBE BUNDLE DESIGN		TUBE BUNDLE DESIGN
	PSIG	°F	PSIG °F
MFG. SERIAL NO.		YEAR BUILT	
EQUIPMENT NAME: NUCLEAR STEAM GENERATOR			
SPIN NO.:			

 NATIONAL BOARD NO. _____ CERTIFIED BY PLANT NO. _____ WESTINGHOUSE ELECTRIC CORPORATION PENSACOLA PLANT PENSACOLA, FLORIDA, USA		
CLASS 	PRIMARY SIDE CHAMBER DESIGN PSIG °F	SECONDARY SIDE CHAMBER DESIGN PSIG °F
	TUBE BUNDLE DESIGN PSIG °F	TUBE BUNDLE DESIGN PSIG °F
	INFO. SERIAL NO. _____ YEAR _____	
	EQUIPMENT NAME: NUCLEAR STEAM GENERATOR SPIN NO.: _____	

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

1. Owner Virginia Electric & Power Company Date 6-20-95  
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1  
 2. Plant North Anna Power Station Unit 2  
P.O. Box 402, Mineral, VA 23117 R/R Program 94-400 DCP 92-11, W.O. 503137  
 3. Work Performed by Bahtel Power Corporation Type Code Symbol Stamp N/A  
9801 Washington Blvd. Gaithersburg, MD 20878 Authorization No. N/A  
 4. Identification of System Reactor Coolant Expiration Date N/A  
 5. (a) Applicable Construction Code ASME III 19 68 Edition, W 68 Addenda, — Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Steam Generator	Westinghouse	1283	68-97	2-RC-E-1C	1973	Replaced	Yes
Steam Generator	Westinghouse	SG3L-12197	54	2-RC-E-1C	1995	Replacement	Yes
2" Globe Valve	N/A	N/A	N/A	2-BD-22	Unk.	Replaced	No
2 1/2" Globe Valve	Conval	2705	N/A	2-BD-22	1995	Replacement	No
2" Globe Valve	N/A	N/A	N/A	2-BD-19	Unk	Replaced	No
2 1/2" Globe Valve	Conval	2704	N/A	2-BD-19	1995	Replacement	No

7. Description of Work Replaced steam generator and portions of associated piping and valves.  
 8. Tests Conducted: Secondary Hydrostatic ☒ Pneumatic ☐ Primary Nominal Operating Pressure ☒  
 Other ☐ Pressure 1385 psi Test Temp. 106.8-109.4°F Secondary  
 Pressure 2235 psi Test Temp. 650°F Primary

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



FORM NIS-2 (Back)

9. Remarks ASME Class 1 lower assembly. Other components ASME Class 2.  
Applicable Manufacturer's Data Reports to be attached  
Surface examination performed on final welds. USEC Code Case N 416-1  
RT examination performed on RC, MS and FW welds.  
Preservice ultrasonic and surface examinations performed on RC, MS and FW welds.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date June 20, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.D.E.I. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/13/95 to 5/30/95, 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.

Mark M. [Signature] Commissions NB 9531 VA 424 I, N, A  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 21, 19 95



SG3L-12197

(4027J)

Docket Number: 50-339

Serial Number: 95-316

# FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES

As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

Page 42 of 115

Pg. 1 of 3

1. Manufactured and certified by WESTINGHOUSE ELEC CORP., PENSACOLA PLANT No. 5  
8301 Scenic Hwy., Rt. 90 name and address of MPT Certificate holder Pensacola, FL 32514-7810
2. Manufactured for Virginia Electric & Power Co., Innsbrook Technical Center  
5000 Dominion Blvd., name and address of purchaser Glenallen, VA 23060
3. Location of installation North Anna Power Station Unit #2, Rt. 700, Mineral, VA 23117  
name and address

- \*1 4. Type 4 ASME Code 1995 Year built
- \*2 5. ASME Code, Section III, Division 1: 1 ASME Code N-474-1, N-20-1,  
2142, 2143 ASME Code no.
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A ASME Code Revision ----- Date -----
7. Remarks: This part consists of one steam generator lower assembly which includes the channel head, partition plate, tube plate, tube bundle, and lower shell, with transition cone and all associated nozzles, bosses, access openings, and trunnions.

- \*1 8. Nom. thickness (in.) ----- Min. design thickness (in.) ----- Dia. ID (ft & in.) ----- Length overall (ft & in.) -----
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report: Channel Head S/N 1015

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) SG3L-12197	54	(26) _____	_____
(2) _____	_____	(27) _____	_____
(3) _____	_____	(28) _____	_____
(4) _____	_____	(29) _____	_____
(5) _____	_____	(30) _____	_____
(6) _____	_____	(31) _____	_____
(7) _____	_____	(32) _____	_____
(8) _____	_____	(33) _____	_____
(9) _____	_____	(34) _____	_____
(10) _____	_____	(35) _____	_____
(11) _____	_____	(36) _____	_____
(12) _____	_____	(37) _____	_____
(13) _____	_____	(38) _____	_____
(14) _____	_____	(39) _____	_____
(15) _____	_____	(40) _____	_____
(16) _____	_____	(41) _____	_____
(17) _____	_____	(42) _____	_____
(18) _____	_____	(43) _____	_____
(19) _____	_____	(44) _____	_____
(20) _____	_____	(45) _____	_____
(21) _____	_____	(46) _____	_____
(22) _____	_____	(47) _____	_____
(23) _____	_____	(48) _____	_____
(24) _____	_____	(49) _____	_____
(25) _____	_____	(50) _____	_____

- \*3 10. Design pressure ----- psi. Temp. ----- °F. Hydro. test pressure 3107 psig min at temp. 70 °F min

\*Supplemental information in the form of sets, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form RE000401 may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

\*Notes are addressed on Page 2 of 3.

FORM N-2 (Back — Pg. 2 of 3)

SG3L-12197

Docket Number: 50-339  
(4027J)  
Serial Number: 95-316  
Attachment 2  
Page 43 of 115

Certificate Holder's Serial Nos. \_\_\_\_\_

## CERTIFICATION OF DESIGN

Design specifications certified by G. V. SMITH P.E. State FL Reg. no. 45390  
(when applicable)

Design report\* certified by M. C. MISVEL P.E. State FL Reg. no. 33190  
(when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this Steam Generator Lower Assembly conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. 1670 Expires March 11, 1998

Date JAN 27, 1995 Name Westinghouse Electric Corp. Signed J. B. Allen  
(NPT Certificate Holder) (Authorized Representative)  
Pensacola Plant No. 5

## CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of FL and employed by ARKWRIGHT MUTUAL INS. CO. (FACTORY MUTUAL ENGINEERING ASSOCIATION) of Norwood, MA have inspected these items described in this Data Report on 01-27-95 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 01-27-95 Signed W. Y. Jones Commissions NB7245, N, FL214  
(Authorized Inspector) (N.B. Bd. Ins. under national and state or prov. and no.)

# FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES\*

As Required by the Provisions of the ASME Code, Section III, Part UG of 115  
Not to Exceed One Day's Production

1. Manufactured and certified by WESTINGHOUSE ELEC. CORP., PENSACOLA PLANT No. 5  
8301 Scenic Hwy., Rt. 90 Pensacola, FL 32514-7810
2. Manufactured for Virginia Electric & Power Co., Innsbrook Technical Center  
5000 Bominion Blvd. Glenallen, VA 23060
3. Location of installation North Anna Power Station Unit #2, Rt. 700, Mineral, VA 23117

## NOTES

\*1

COMPONENT	DRAWING NO./REV.	MAT'L SPEC NO.	TENSILE STRENGTH	THICKNESS	Min. Design	DIA.	LENGTH
			(Min.)		Nom.		
Channel Head	6142E79 G01/01	SA-508 Cl.3	80 KSI	5.21"	5.12"	10'5.52"	5'6.37"
Tube Plate	6142E77 G01/03	SA-508 Cl.3a	90 KSI	21.28"	21.25"	11'4"	2'3.6"
U-Tubes (Qty 3592)	6142E89 G01/01	SB-163 UNS 6690	100 KSI	.050"	.045"	.875"	Various
'A' Barrel	6146E57 H01/01	SA-508 Cl.3	80 KSI	3.35"	3.02"	10'9.4"	14'3.5"
'B' Barrel	6142E78 H02/02	SA-508 Cl.3	80 KSI	3.06"	3.02"	10'9.4"	14'3.5"
Transition Cone	6142E87 H01/03	SA-508 Cl.3	80 KSI	4.16"	4.12"	13'6"	6'3.8"
Partition Plate	3416C11 H02/04	SB-168 UNS 6690	85 KSI	2.00	1.99	—	10'5"

**WELD OVERLAY:** PRIMARY SIDE SURFACE OF THE TUBE PLATE IS OVERLAID WITH WELD-DEPOSITED NICKEL-CHROMIUM-IRON ALLOY. THE CHANNEL HEAD INTERIOR SURFACES, INCLUDING NOZZLES AND MANWAYS, IS OVERLAID WITH STAINLESS STEEL WELD DEPOSIT. PRIMARY NOZZLES INCLUDE SAFE ENDS OF SA-336, Cl.F316LN MATERIAL.

## NOZZLES:

PURPOSE	NO.	DIA.	TYPE	MATERIAL	THICKNESS	REINFORCEMENT MATERIAL	HOW ATTACHED
Shell Blowdown	2	2.50" NPS	—	SA-508 Cl.1a	.910"	N/A	Welded
Shell Drain	1	1.00" NPS	—	SA-508 Cl.1a	.660"	N/A	Welded
Water Level Tap	1	.75" NPS	—	SA-508 Cl.1a	.636"	N/A	Welded
Primary Side Inlet*	1	31.03" NPS	Integral	SA-508 Cl.3	5.30"	Same	Integral
Primary Side Outlet*	1	31.03" NPS	Integral	SA-508 Cl.3	5.30"	Same	Integral

\*With safe end of SA-336 Cl.F316LN, 3.24 min. thickness weld attached.

\*2: **CERTIFICATION OF CONSTRUCTION:** 1986 EDITION, NO ADDENDA

**MATERIAL:** 1986 EDITION, NO ADDENDA

**NDE:** 1986 EDITION, 1988 ADDENDA


\*3: PRIMARY SIDE 2485 psig @ 650 °F; SECONDARY SIDE 1085 psig @ 600 °F.

4: UNIT RECEIVED A FULL HEAT TREATMENT IN ACCORDANCE WITH SECTION III, DIV. 1, NB-4620.

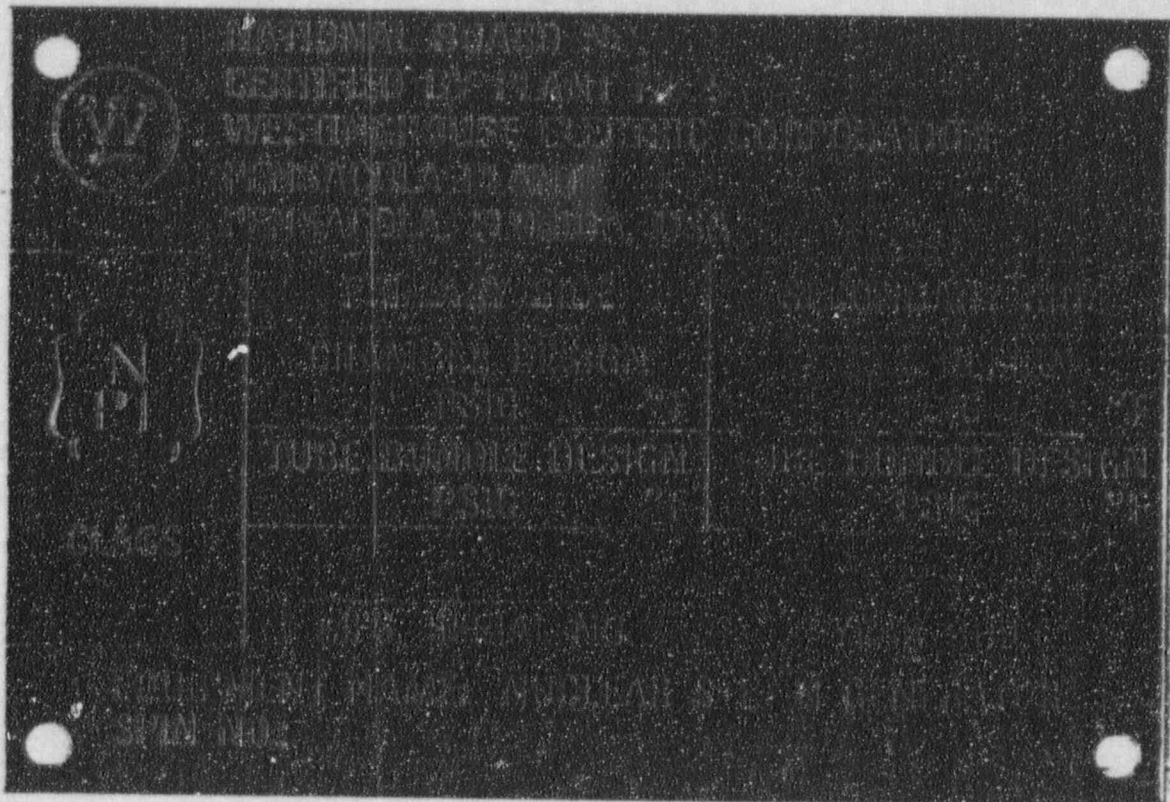
5: UNIT RECEIVED A COMPLETE RT EXAMINATION IN ACCORDANCE WITH SECTION III, DIV. 1, NB-5000.

6: POST-HYDRO MT EXAMINATION OF CHANNEL HEAD-TO-TUBE PLATE WAS PERFORMED.

7: F&D SHIPPING HEAD AND PRIMARY NOZZLE HYDROCAPS ARE NOT PART OF THIS DATA REPORT.

 NATIONAL BOARD NO. CERTIFIED BY PLANT NO. 5 WESTINGHOUSE ELECTRIC CORPORATION PENSACOLA PLANT PENSACOLA, FLORIDA, USA			
{ N PI }  CLASS	PRIMARY SIDE		SECONDARY SIDE
	CHAMBER DESIGN		CHAMBER DESIGN
	PSIG °F		PSIG °F
	TUBE BUNDLE DESIGN		TUBE BUNDLE DESIGN
	PSIG °F		PSIG °F
MFG. SERIAL NO.		MFG. SERIAL NO.	
EQUIPMENT NAME: NUCLEAR STEAM GENERATOR			
SPIN NO.:			





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

1. Owner Virginia Electric & Power Company Date 5-1-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
P.O. Box 402 Mineral, VA 23117 R/R Program 94-411 WD 00281124  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 7B, 81, 83B, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 1/2" Dia	N/A	N/A	N/A	2-RH-1	UNK	Replaced	NO
Nut, Heavy Hex 1 1/2"	N/A	N/A	N/A	2-RH-1	UNK	Replaced	NO
Rod, Threaded 1 1/2" Dia	AIG Engineering	HT# 70203	N/A	2-RH-1	1991	Replacement	NO
Nut, Heavy Hex 1 1/2"	AIG Engineering	HT# RM0535	N/A	2-RH-1	1993	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

Owner or Owner's Designee, Title

J.P. Smith ISI Engineer

Date

May 2

19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.T. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 12/7/94 to 4/13/95, 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.

Mark M. Hara

Inspector's Signature

Commissions

NO9531

VA424

FIN, B

National Board, State, Province, and Endorsements

Date

5/2

19 95

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

1. Owner Virginia Electric & Power Company Date 5-5-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117 R/R Program 94-414, WDO 90304894  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Quench Spray
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
STD, FULL THREAD 3/4-10	N/A	N/A	N/A	2-QS-P-13	UNK	Replaced	NO
NUT, HEAVY HEX 3/4	N/A	N/A	N/A	2-QS-P-13	UNK	Replaced	NO
STD, FULL THREAD 3/4-10	TEXAS BOLT	HT#55513	N/A	2-QS-P-13	1994	Replacement	NO
NUT, HEAVY HEX 3/4	TEXAS BOLT	HT#8097521	N/A	2-QS-P-13	1993	Replacement	NO
		HT#B0280	N/A	2-QS-P-13	1994	Replacement	NO

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

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



FORM NIS-2 (Back)

9. Remarks ASME Class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Smith ISI Engineer Date May 5, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.E.I. of Hartford, CT have inspected the components described in this Owner's Report during the period 12/8/94 to 4/21/95, 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.

Mark M. Howe Commissions NB9531 VA424 I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 5/8 19 95

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

1. Owner Virginia Electric & Power Company Date 4-18-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
P.O. Box 402 Mineral, VA 23117 R/R Program 94-429, WD 00302363  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, B1, B362, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, structural 1 3/8" Diameter Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	14"-RH-402-602-92	UNK	Replaced	NO
Stud, structural 1 3/8" Diameter Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	14"-RH-402-602-92	UNK	Replaced	NO
Stud, structural 1 3/8" Diameter Nut, Heavy Hex 1 3/8"	NOVA	HT# 79450	N/A	14"-RH-402-602-92	1993	Replacement	NO
		HT# 16540JK			1994		
	Texas Bolt	HT# 666311	N/A	14"-RH-402-602-92	1995	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME CLASS 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

A. L. Hamill

ISI Engineer

Date

April 19

1995

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.T. & T. of Hartford, CT have inspected the components described in this Owner's Report during the period 11/1/95 to 4/14/95, 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.

Mark M. Hamill

Inspector's Signature

Commissions

NB 2531

VA 424

I.N.A

National Board, State, Province, and Endorsements

Date

Apr. 19

1995

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

1. Owner Virginia Electric & Power Company Date 5-26-95  
 Name  
5500 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-001, WD 00307443  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5500 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Service Water
5. (a) Applicable Construction Code B31.7 19 64 Edition, 1970 Addenda 7A, 8A, 83(A), 11A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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, 1 1/2"	Vogt	N/A	N/A	2-SW-106	UNK	Replaced	NO
Pipe, 1 1/2" NPS	N/A	N/A	N/A	1 1/2" WS-767-151-03	UNK	Replaced	NO
CS		Serial # 4-216799 HT #					
Valve, 1 1/2"	Vogt	4M04130	N/A	2-SW-106	1993	Replacement	NO
Gate							
Pipe, 1 1/2" NPS	Quincy	HT # 266771	N/A	1 1/2" WS-767-151-03	1984	Replacement	NO
CS							
Weld 7A	VP	N/A	N/A	1 1/2" WS-767-151-03	1995	Replacement	NO
Weld 9	VP	N/A	N/A	1 1/2" WS-767-151-03	1995	Replacement	NO

7. Description of Work Replace globe valve with Gate Valve
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 63 psi Test Temp. 78 °F

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



FORM NIS-2 (Back)

9. Remarks ASME CLASS 2  
 Applicable Manufacturer's Data Reports to be attached  
Performed Construction Code final LP examination on replacement  
welds. Performed VT-2 visual examination at normal operating temperature  
and pressure in lieu of a hydrostatic test per Code Case N416-1.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed S.P. Hamill ISI Engineer Date May 30, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.D.I.T. of  
Hartford, CT have inspected the components described  
 in this Owner's Report during the period 3/23/95 to 5/25/95, 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.

Mal M. Han Commissions NB 9531 VA 424 I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 8, 19 95

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

1. Owner Virginia Electric & Power Company  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060  
Address
- Date 6-14-95
- Sheet 1 of 1
2. Plant North Anna Power Station  
Name  
P.O. Box 402, Mineral, VA 23117  
Address
- Unit 2  
DCP 94-188  
W.O. # 288907-02, R/R Program 95-003  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company  
Name  
5000 Dominion Blvd., Glen Allen, VA 23060  
Address
- Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code ASME III 19 68 Edition, Winter 1968 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 86 Edition
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Conoseal #1	Westinghouse	5414 J	N/A	2-RC-R-1	1994	Replacement	No
Conoseal #2	Westinghouse	5415 J	N/A	2-RC-R-1	1994	Replacement	No
Conoseal #3	Westinghouse	5416 J	N/A	2-RC-R-1	1994	Replacement	No
Conoseal #4	Westinghouse	5417 J	N/A	2-RC-R-1	1994	Replacement	No

7. Description of Work Removed original instrument port conoseals and install new articulating clamps.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2235 psi Test Temp. 650 °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 1  
Applicable Manufacturer's Data Reports to be attached  
Performed VI-2 examination during the conduct of a system  
leakage test.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date June 14, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.B. & T. of  
Hartford, CT. have inspected the components described  
 in this Owner's Report during the period 11/9/95 to 5/26/95, 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.

M. M. Hara Commissions NB 9531, V4424, I.N.A.  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date June 19, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-2-95  
5000 Dominion Blvd. Glen Allen, VA 23060 Sheet 1 of 1  
 2. Plant North Anna Power Station Unit 2  
PO Box 403 Mineral, VA 23117 R/R Program 95-033 W000303157 DCP 94-012  
 Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by Flier Daniels Type Code Symbol Stamp N/A  
Daniels Bldg Greenville, SC 29601 Authorization No. N/A  
 Expiration Date N/A  
 4. Identification of System Reactor Coolant  
 5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83, 84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Support steel	N/A	N/A	N/A	2-RC-HSS-144	UNK	Replaced	NO
Support Bracket	Grinnell	N/A	N/A	2-RL-HSS-144	UNK	Replaced	NO
3"x3"x1/4"	Lacinda steel co.	HT# 24679	N/A	2-RL-HSS-144	1993	Replacement	NO
Support steel	HT# 24679	HT# 24679	N/A	2-RL-HSS-144	1993	Replacement	NO
5"x1 1/2"x5"	Tusculooose	HT# 387281	N/A	2-RL-HSS-144	1993	Replacement	NO
Support steel	steel corp.	HT# 387281	N/A	2-RL-HSS-144	1993	Replacement	NO
Bracket Assembly	Grinnell	#41-19374 Fig 2000	N/A	2-RL-HSS-144	1994	Replacement	NO

7. Description of Work Replace snubber support steel and end bracket  
 8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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



FORM NIS-2 (Back)

9. Remarks ASME CLASS 1 (IWI)  
Performed VT-3 Visual Examination on completed support.  
 Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill, ISI Engineer Date May 3, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.E.E. of Hartford, CT. have inspected the components described in this Owner's Report during the period 2/13/95 to 7/26/95, 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.

Mal M. Anan Commissions NB9531, VA424, J.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/3 19 95

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

1. Owner Virginia Electric & Power Company Date 6-5-95  
 Name  
5800 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R Program 95-035, WO 00260725-01 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5800 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Quench Spray
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 87a, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, Structural							
1/2" Dia.	N/A	N/A	N/A	2-QS-40	unk	Replaced	NO
Nut, Heavy							
Hex 1/2"	N/A	N/A	N/A	2-QS-40	unk	Replaced	NO
Stud, Structural							
1/2" Dia	Texas Bolt	HT#57350	N/A	2-QS-40	1993	Replacement	NO
Nut, Heavy							
Hex 1/2"	Texas Bolt	HT#B62536	N/A	2-QS-40	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed S.P. Hamill ISE Engineer Date June 5, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H. S. D. I & I of Hertford, CT. have inspected the components described in this Owner's Report during the period 2/14/95 to 5/16/95, 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.

Mark M. Freese Commissions NB9531, VA424, I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 6, 19 95

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

1. Owner Virginia Electric & Power Company Date 2-23-95  
5000 Dominion Blvd Glen Allen, VA. 23060 Sheet 1 of 1  
Name Address
2. Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117 R/R Program 95-041, W.D. 312424  
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
Name Address Expiration Date
4. Identification of System Quench Spray (QS)
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78, 81, EX-1, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
NUT	N/A	N/A	N/A	2-QS-TK-1	UNK	Replaced	NO
NUT	Texas Bolt Co.	Heat # 14651EX	N/A	2-QS-TK-1	1994	Replacement	NO
STUD	N/A	N/A	N/A	2-QS-TK-1	UNK	Replaced	NO
STUD	A+G Engineering	Heat # 69818	N/A	2-QS-TK-1	1993	Replacement	NO

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

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



FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed S.P. Hamill, ISI Engineer  
Owner or Owner's Designee, Title

Date February 27, 19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B. E. & I. of Hartford, CT. have inspected the components described in this Owner's Report during the period 2/20/95 to 2/22/95, 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.

Moh M. Hana  
Inspector's Signature

Commissions NB3531, VA434, I.N.A.  
National Board, State, Province, and Endorsements

Date Feb. 27 19 95

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

1. Owner Virginia Electric & Power Company Date 4-24-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117 R/R Program 95-044, DCP 95-128, WIO 00265259  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code Draft Pump & Valve Code 19 69 Edition, No Addenda, No Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pump casing	Pacific Pump	46364	N/A	2-CH-P-1C	UNK	Replaced	NO
Pump casing	Pacific Pump	R2413-1-AA	N/A	2-CH-P-1C	1994	Replacement	NO
Weld SBW	VA Power	N/A	N/A	3-CH-4-1-152-102	1995	Replacement	NO
Pump Foot WS-04	Pacific Pump	N/A	N/A	2-CH-P-1C	UNK	Repair	NO

7. Description of Work Replaced pump casing, repaired indications on pump foot WS-04, other replacement activities to facilitate removal of pump casing.
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 5 on this report is included on 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 ASME Class 2

Applicable Manufacturer's Data Reports to be attached

Performed LP, UT, RT examinations on replacement piping welds.

Performed LP examinations on casing integral attachment welds.

Performed VT-2 examinations on all welds and connections at nominal system pressure and temperature in lieu of hydrostatic test per Code Case N416-1.

Ground WS-24 indications .050 inches. One removed. All other indications evaluated as satisfactory using Finite Element Analysis per IPR 95-051 to QCP 95-128.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

J.P. Hamill

Owner or Owner's Designee/Title

ISI Engineer

Date

April 24

19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by A.S.B.F. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 2/23/95 to 3/21/95, 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.

M. L. M. Hines

Inspector's Signature

Commissions

NB 9531

V4424

I, N, B

National Board, State, Province, and Endorsements

Date

Apr. 27

19 95

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

1. Owner Virginia Electric & Power Company Date 5-31-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 2
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R Program 95-047, W0 00313266 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda, 78, 81, 83, 115 Code Case  
 (b) Applicable Edition of Section X' Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe, 2" NPS stainless	N/A	N/A	N/A	2"-SI-476-602-03 UNK		Replaced	NO
Elbow, Pipe 2", 90 degrees	N/A	N/A	N/A	2"-SI-476-602-03 UNK		Replaced	NO
Valve, Globe 2" stainless	Rockwell	UNK	N/A	2-SI-164 UNK		Replaced	NO
Pipe, 2" NPS stainless	Kambhian Eng. HT# A18925		N/A	2"-SI-476-602-03	1984	Replacement	NO
Elbow, Pipe 2", 90 degrees	Alloy stainless Product Company HT# B7181		N/A	2"-SI-476-602-03	1986	Replacement	NO

7. Description of Work Replace valve, elbow and adjacent piping.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 625 psi Test Temp. 90 °F

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



FORM NIS-2 (Back)

9. Remarks ASME CLASS 2

Applicable Manufacturer's Data Reports to be attached

Performed Construction Code LP examination on replacement welds.  
gt system normal operating pressure and temperature  
Performed VT-2 visual examination in lieu of hydrostatic  
test as allowed by code case N416-1.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date May 31, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.T. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/1/95 to 5/30/95, 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.

Moh. M. Hana Commissions NB9531 VA424 I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 7, 19 95

# SUPPLEMENTAL SHEET

Docket Number: 50-339

Serial Number: 95-316

Attachment 2

Page 58 of 115

## 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 Company Date 5-31-95

5000 Dominion Boulevard Glen Allen, VA 23060

Sheet 2 of 2

2. Plant North Anna Power Station Unit 2

P.O. Box 402 Mineral, VA 23117

R/R Program 95-047, WO 00313266

3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A

5000 Dominion Blvd Glen Allen, VA 23060

Authorization No. N/A  
Expiration Date N/A

4. Identification of System Safety Injection

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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, Globe 2" stainless	Yarway	C3141	N/A	2-SI-164	1953	Replacement	NO
Weld 2	N/A	N/A	N/A	2"-SI-476-602-Q3	1977	Replaced	NO
Weld 3	N/A	N/A	N/A	2"-SI-476-602-Q3	1977	Replaced	NO
Weld 4	N/A	N/A	N/A	2"-SI-476-602-Q3	1977	Replaced	NO
Weld 5	N/A	N/A	N/A	2"-SI-476-602-Q3	1977	Replaced	NO
Weld 6	N/A	N/A	N/A	2"-SI-476-602-Q3	1977	Replaced	NO
Weld 2A	VP	N/A	N/A	2"-SI-476-602-Q3	1995	Replacement	NO
Weld 2B	VP	N/A	N/A	2"-SI-476-602-Q3	1995	Replacement	NO
Weld 29	VP	N/A	N/A	2"-SI-476-602-Q3	1995	Replacement	NO
Weld 30	VP	N/A	N/A	2"-SI-476-602-Q3	1995	Replacement	NO
Weld 6A	VP	N/A	N/A	2"-SI-476-602-Q3	1995	Replacement	NO

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

1. Owner Virginia Electric & Power Company  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060  
 Address
- Date 5-31-95
- Sheet 1 of 2
2. Plant North Anna Power Station  
 Name  
PO Box 402 Miners, VA 23117  
 Address
- Unit 2
- R/R Program 95-048, WO 313265  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060  
 Address
- Type Code Symbol Stamp N/A
- Authorization No. N/A
- Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 7B, 81, 82B1, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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, Globe	Rockwell Edwards	UNK	N/A	2-SI-181	UNK	Replaced	NO
Valve, Globe	Yarway	C314D	N/A	2-SI-181	1987	Replacement	NO
Pipe, 2"	N/A	N/A	N/A	2"-SI-474-602-83	UNK	Replaced	NO
Elbow, 90°, 2"	N/A	N/A	N/A	2"-SI-474-602-83	UNK	Replaced	NO
Pipe, 2"	Combustion Eng.	HT#N18925	N/A	2"-SI-474-602-83	1986	Replacement	NO

7. Description of Work Replace valve, adjacent piping and 90° Elbow.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 625 psi Test Temp. 80 °F

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

FORM NIS-2 (Back)

9. Remarks ASME class 2

Applicable Manufacturer's Data Reports to be attached

Construction code LP performed on replacement welds  
at normal system operating pressure and temperature  
Performed UT-2 visual examination in lieu of hydrostatic test  
as allowed by Code case N416-1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

AP Hamilton  
 Owner or Owner's Designee, Title

ISE Engineer

Date

May 31

19

95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by A. S. B. I. & T. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3/1/95 to 5/30/95, 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.

Mal M. Hagg  
 Inspector's Signature

Commissions

NB 7531 V4424 I, N/A  
 National Board, State, Province, and Endorsements

Date

June 7

19

95



# SUPPLEMENTAL SHEET

Docket Number: 50-339

Serial Number: 95-316

Attachment 2

Page 58 of 115

## 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 Company Date 5-31-95

5000 Dominion Boulevard Glen Allen, VA 23060

Sheet 2 of 2

2. Plant North Anna Power Station Unit 2

P.O. Box 402 Mineral, VA 23117

R/R Program 95-048, WO 313265

3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A

5000 Dominion Blvd Glen Allen, VA 23060

Authorization No. N/A

Expiration Date N/A

4. Identification of System Safety Injection

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Elbow, 90°, 2"	Cup. 701 Pipe & Steel Products	# B7101	N/A	2"-SI-474-602-Q3	1986	Replacement	NO
Weld 4	N/A	N/A	N/A	2"-SI-474-602-Q3	1977	Replaced	NO
Weld 5	N/A	N/A	N/A	2"-SI-474-602-Q3	1977	Replaced	NO
Weld 6	N/A	N/A	N/A	2"-SI-474-602-Q3	1977	Replaced	NO
Weld 7	N/A	N/A	N/A	2"-SI-474-602-Q3	1977	Replaced	NO
Weld 8	N/A	N/A	N/A	2"-SI-474-602-Q3	1977	Replaced	NO
Weld 4A	VP	N/A	N/A	2"-SI-474-602-Q3	1995	Replacement	NO
Weld 5A	VP	N/A	N/A	2"-SI-474-602-Q3	1995	Replacement	NO
Weld 37	VP	N/A	N/A	2"-SI-474-602-Q3	1995	Replacement	NO
Weld 38	VP	N/A	N/A	2"-SI-474-602-Q3	1995	Replacement	NO
Weld 8A	VP	N/A	N/A	2"-SI-474-602-Q3	1995	Replacement	NO

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

1. Owner Virginia Electric & Power Company  
Name  
5000 Dominion Blvd Glen Allan, VA 23060  
Address

Date June 9, 1995  
 Sheet 1 of 6

2. Plant North Anna Power Station  
Name  
PO Box 402 Mineral, VA 23117  
Address

Unit 2  
 DCP 94-008  
 R/R Program 95-062, WO 00306554  
 Repair Organization P.O. No., Job No., etc.

3. Work Performed by Fluor Daniels  
Name  
Daniels Bldg Greenville, SC 29601  
Address

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

4. Identification of System Safety Injection

5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83(R) Code Case <sup>115</sup>  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Weld 8A	Virginia Power	N/A	N/A	2"SI-461-1502-Q	1995	Replacement	No	*
Weld 9A	Virginia Power	N/A	N/A	2"SI-461-1502-Q	1995	Replacement	No	*
Weld 2A	Virginia Power	N/A	N/A	2"SI-453-1502-Q	1995	Replacement	No	*
Weld 3A	Virginia Power	N/A	N/A	2"SI-453-1502-Q	1995	Replacement	No	*
Weld 12B	Virginia Power	N/A	N/A	2"SI-453-1502-Q	1995	Replacement	No	*

7. Description of Work Install flow venturi assembly, and replace throttle valves

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2235 psi Test Temp. 160 °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 ASME Class 1 and ASME Class 2

Applicable Manufacturer's Data Reports to be attached

Performed Construction Code RT on all replacement butt welds and LP on all replacement welds. \*Performed ASME preservice UT on replacement Class 2 butt welds and LP on all replacement Class 1 welds and Class 2 socket welds. \*Performed preservice VT-3 visual examination on reassembled hangers and supports. Performed VT-2 visual examination at normal system operating pressure and temperature in lieu of a hydrostatic test per Code Case N416-1.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date June 9, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B. I.E. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/14/95 to 5/30/95, 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.

Mark M. Hane Commissions NB2571 VARY I.N.A.  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 21, 19 95

# SUPPLEMENTAL SHEET

Docket Number: 50-339

Serial Number: 95-316

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

As required by the Provisions of the ASME Code Section XI

Attachment 2  
Page 60 of 115

1. Owner Virginia Electric and Power Company Date June 9, 1995

5000 Dominion Boulevard Glen Allen, VA 23060

Sheet 2 of 6

2. Plant North Anna Power Station

Unit 2

P.O. Box 402 Mineral, VA 23117

R/R Program 95-062, DCP 94-008, WO 00306554-01

3. Work Performed by Fluor Daniels

Type Code Symbol Stamp N/A

Daniels Bldg Greenville, SC 29601

Authorization No. N/A

Expiration Date N/A

4. Identification of System Safety Injection

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Weld 16A	Virginia Power	N/A	N/A	2" SI-463-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 17A	Virginia Power	N/A	N/A	2" SI-463-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 18A	Virginia Power	N/A	N/A	2" SI-459-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 19A	Virginia Power	N/A	N/A	2" SI-459-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 59	Virginia Power	N/A	N/A	2" SI-459-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 60	Virginia Power	N/A	N/A	2" SI-459-1502-Q <sub>1</sub>	1995	Replacement	No	*
Support	Virginia Power	N/A	N/A	2-SI-PH-453.8 (2-SI-R-8)	1995	Replacement	No	*
Support	Virginia Power	N/A	N/A	2-SI-PH-455.18 (2-SI-R-18)	1995	Replacement	No	*
Support	Virginia Power	N/A	N/A	2-SI-PH-451.9 (2-SI-R-9)	1995	Replacement	No	*
Valve	Edwards	S/N 27AGW	N/A	2-SI-116	1994	Replacement	No	
Valve	Edwards	S/N 26AGW	N/A	2-SI-97	1994	Replacement	No	
Pipe	CE	H# N19306	N/A	2" SI-453-1502-Q <sub>1</sub>	1986	Replacement	No	
Flow Venturi	Joseph Aut	S/N J2539E	N/A	2-SI-FE-2972	1994	Replacement	No	



# SUPPLEMENTAL SHEET

Docket Number: 50-339

Serial Number: 95-316

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

Attachment 2

Page 61 of 115

As required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric and Power Company

Date June 9, 1995

5000 Dominion Boulevard Glen Allen, VA 23060

Sheet 3 of 6

2. Plant North Anna Power Station

Unit 2

P.O. Box 402 Mineral, VA 23117

R/R Program 95-062, DCP 94-008, WO 00306554-01

3. Work Performed by Fluor Daniels

Type Code Symbol Stamp N/A

Daniels Bldg Greenville, SC 29601

Authorization No. N/A

Expiration Date N/A

4. Identification of System Safety Injection

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	CE	H# N19306	N/A	2"SI-461-1502-Q <sub>1</sub>	1986	Replacement	No
Orifice	Joseph Out	S/N J2539-2E	N/A	2-SI-R0-201	1994	Replacement	No
Valve	Edwards	S/N 24AGW	N/A	2-SI-89	1994	Replacement	No
Pipe	CE	H# N19306	N/A	2"SI-451-1502-Q <sub>1</sub>	1986	Replacement	No
Flow Venturi	Joseph Out	S/N J2539D	N/A	2-SI- <del>FE</del> -2971	1994	Replacement	No
Couplings	Alloy Stainless	H# A12634	N/A	2"SI-451-1502-Q <sub>1</sub>	1995	Replacement	No
Orifice	Joseph Out	S/N J2539-2D	N/A	2-SI-R0-200	1994	Replacement	No
Valve	Edwards	S/N 28AGW	N/A	2-SI-103	1994	Replacement	No
Pipe	CE	H# N19306	N/A	2"SI-455-1502-Q <sub>1</sub>	1986	Replacement	No
Flow Venturi	Joseph Out	S/N J2539F	N/A	2-SI-FE-2973	1994	Replacement	No
Couplings	Alloy Stainless	H# A12634	N/A	2"SI-455-1502-Q <sub>1</sub>	1995	Replacement	No
Orifice	Joseph Out	S/N J2539-2F	N/A	2-SI-R0-202	1994	Replacement	No
Valve	Edwards	S/N 25AGW	N/A	2-SI-123	1994	Replacement	No

# SUPPLEMENTAL SHEET

Docket Number: 50-339  
Serial Number: 95-316  
Attachment 2  
Page 62 of 115

## 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 Company Date June 9, 1995  
5000 Dominion Boulevard Glen Allen, VA 23060 Sheet 4 of 6  
Name Address
2. Plant North Anna Power Station Unit 2  
P.O. Box 402 Mineral, VA 23117 R/R Program 95-062, DCP 94-008, WO 00306554-01  
Name Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Fluor Daniels Type Code Symbol Stamp N/A  
Daniels Bldg Greenville, SC 29601 Authorization No. N/A  
Name Address Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Weld 9W	Virginia Power	N/A	N/A	2"SI-451-1502-Q1	1995	Replacement	No	*
Weld 10W	Virginia Power	N/A	N/A	2"SI-451-1502-Q1	1995	Replacement	No	*
Weld 11W	Virginia Power	N/A	N/A	2"SI-451-1502-Q1	1995	Replacement	No	*
Weld 12A	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*
Weld 67	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*
Weld 68	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*
Weld 69	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*
Weld 70	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*
Weld 71	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*
Weld 72	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*
Weld 73	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*
Weld 74	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*
Weld 75	Virginia Power	N/A	N/A	2"SI-455-1502-Q1	1995	Replacement	No	*

# SUPPLEMENTAL SHEET

Docket Number: 50-339  
Serial Number: 95-316  
Attachment 2  
Page 63 of 115

## 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 Company Date June 9, 1995  
Name  
5000 Dominion Boulevard Glen Allen, VA 23060 Sheet 5 of 6  
Address
2. Plant North Anna Power Station Unit 2  
Name  
P.O. Box 402 Mineral, VA 23117 R/R Program 95-062, DCP 94-008, WO 00306554-01  
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Fluor Daniels Type Code Syrnbol Stamp N/A  
Name  
Daniels Bldg Greenville, SC 29601 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Weld 13B	Virginia Power	N/A	N/A	2"SI-453-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 65	Virginia Power	N/A	N/A	2"SI-453-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 66	Virginia Power	N/A	N/A	2"SI-453-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 67	Virginia Power	N/A	N/A	2"SI-453-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 68	Virginia Power	N/A	N/A	2"SI-453-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 69	Virginia Power	N/A	N/A	2"SI-453-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 8A	Virginia Power	N/A	N/A	2"SI-451-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 9A	Virginia Power	N/A	N/A	2"SI-451-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 4W	Virginia Power	N/A	N/A	2"SI-451-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 5W	Virginia Power	N/A	N/A	2"SI-451-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 6W	Virginia Power	N/A	N/A	2"SI-451-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 7W	Virginia Power	N/A	N/A	2"SI-451-1502-Q <sub>1</sub>	1995	Replacement	No	*
Weld 8W	Virginia Power	N/A	N/A	2"SI-451-1502-Q <sub>1</sub>	1995	Replacement	No	*

# SUPPLEMENTAL SHEET

Docket Number: 50-339

Serial Number: 95-316

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

As required by the Provisions of the ASME Code Section XI

Attachment 2

Page 63 of 115

64

1. Owner Virginia Electric and Power Company Date June 9, 1995

5000 Dominion Boulevard Glen Allen, VA 23060 Sheet 6 of 6

2. Plant North Anna Power Station Unit 2

P.O. Box 402 Mineral, VA 23117 R/R Program 95-062, DCP 94-008, WO 00306554-01

3. Work Performed by Fluor Daniels Type Code Symbol Stamp N/A

Daniels Bldg Greenville, SC 29601 Authorization No. N/A  
Expiration Date N/A

4. Identification of System Safety Injection

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	S/N 29AGW	N/A	2-SI-111	1994	Replaced	No
Coupling	Alloy Stainless	Ht. # A12634	N/A	2-SI-463-1502-Q1	1995	Replaced	No
Valve	N/A	N/A	N/A	2-SI-111	Unk.	Replaced	No
Valve	N/A	N/A	N/A	2-SI-89	Unk.	Replaced	No
Valve	N/A	N/A	N/A	2-SI-97	Unk.	Replaced	No
Valve	N/A	N/A	N/A	2-SI-103	Unk.	Replaced	No
Valve	N/A	N/A	N/A	2-SI-116	Unk.	Replaced	No
Valve	N/A	N/A	N/A	2-SI-123	Unk.	Replaced	No
Valve	Edwards	S/N 28AGW	N/A	2-SI-103	1994	Replaced	No



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

1. Owner Virginia Electric Power Company Date 4-19-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power station Unit 2  
 Name  
PO Box 402 Mineral, VA 23112 R/R Program 95-065; WO 00314198  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, Structural 3/4" Diameter	N/A	N/A	N/A	2-SI-MOV-2860A	UNK	Replaced	NO
Nut, Heavy Hex 3/4"	N/A	N/A	N/A	2-SI-MOV-2860A	UNK	Replaced	NO
Stud, Structural 3/4" Diameter	Texas Bolt	HT#8875709	N/A	2-SI-MOV-2860A	1992	Replacement	NO
Nut, Heavy Hex 3/4"	Texas Bolt	HT#14652IX	N/A	2-SI-MOV-2860A	1995	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
Completed work order was forwarded to records prior to ANEI final  
review. DR N-95-681 documents corrective actions.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed L. J. Wynn ISI Engineer Date April 17, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H. S. B. I. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/15/95 to 4/12/95, 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.

Mark M. Hea Commissions ND9531 VA424 I.M.A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date May 19, 19 95

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

1. Owner Virginia Electric & Power Company Date 4-18-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R Program 95-045, WO 00315042 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Quench Spray
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 91, 93(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, Structural 1/2" Diameter	N/A	N/A	N/A	2-QS-MPV-202B	UNK	Replaced	NO
Nut, Heavy Hex 1/2"	N/A	N/A	N/A	2-QS-MPV-202B	UNK	Replaced	NO
Stud, Structural 1/2" Diameter	Texas Bolt	HT# 51350	N/A	2-QS-MPV-202B	1993	Replacement	NO
Nut, Heavy Hex 1/2"-13	Texas Bolt	HT# 8875536 HT# 6030815	N/A	2-QS-MPV-202B	1990 1988	Replacement	NO

7. Description of Work Replaced valve bonnet bolting.

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date April 18, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.E. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/25/95 to 4/4/95, 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.

Mal M. Hwa Commissions NB8531 VA924 N/A  
Inspector's Signature National Board, State, Province, and Endorsements

Date Apr. 18, 19 95



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

1. Owner Virginia Electric & Power Company Date 5-1-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Name Address
2. Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117 R/R Program 95-01, WO 00292441  
 Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Name Address Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83, 86, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/4" dia	N/A	N/A	N/A	2-MS-SV-201A	UNK	Replaced	NO
Nut, Heavy Hex 1 3/4" dia	N/A	N/A	N/A	2-MS-SV-201A	UNK	Replaced	NO
Red, Threaded 1 3/4" dia	AFG Engineering	HT# 69453	N/A	2-MS-SV-201A	1993	Replacement	NO
Nut, Heavy Hex 1 3/4"	TEXAS Bolt	HT# 162403K	N/A	2-MS-SV-201A	1994	Replacement	NO
		HT# 6662311					

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamilton ISI Engineer Date May 2, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H. S. E. I. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/28/95 to 3/29/95, 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.

Mark M. Hanna Commissions ND7531 VA424 I.N.B.  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/2, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-1-95  
Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant North Anna Power Station Unit 2  
Name  
P.O. Box 402 Mineral, VA 23117 R/R Program 95-102, WO 00292442  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Expiration Date N/A  
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83(2), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SV-201B	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SV-201B	UNK	Replaced	NO
Red, threaded 1 3/8" dia	Curlan	HT#856293	N/A	2-MS-SV-201B	1993	Replacement	NO
Nut, threaded 1 3/8"		HT#16540JK			1994		
Heavy, Hex 1 3/8"	Texas Bolt	HT#6062311	N/A	2-MS-SV-201B	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill, ISI Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/24/95 to 3/27/95, 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.

Mark M. Hara Commissions NB95-31 VA424 IMA  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/2 19 95



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

1. Owner Virginia Electric & Power Company Date 5-1-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23112 Address  
R/R Program 95-103, WO 00292443 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 2B, 8, B31.2, 112 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 7/8" dia	N/A	N/A	N/A	2-MS-SV-201C	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SV-201C	UNK	Replaced	NO
Rod, threaded 1 3/8" dia	AIG Engineering	HT # 65453	N/A	2-MS-SV-201C	1993	Replacement	NO
Nut, Heavy Hex 1 3/8"	Texas Bolt	HT # 165403K	N/A	2-MS-SV-201C	1994	Replacement	NO
		HT # 6062311	N/A	2-MS-SV-201C	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill FSI Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & E. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/26/95 to 3/29/95, 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.

Mark M. Jones Commissions NB9531, VA424, I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/2 19 95

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

1. Owner Virginia Electric & Power Company Date 5-1-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R 95-104, W/O 00292444 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83, 84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SV-202A	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SV-202A	UNK	Replaced	NO
Rod, threaded 1 3/8" dia	AIG Engineering	HT# 65453	N/A	2-MS-SV-202A	1993	Replacement	NO
Nut, Heavy Hex 1 3/8"	Texas Bolt	HT# 165405K	N/A	2-MS-SV-202A	1994	Replacement	NO
		HT# 6062311	N/A	2-MS-SV-202A	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Harill ISI Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B. I.T. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/24/95 to 3/29/95, 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.

Mal M. Doo Commissions NB9531 V4424 J.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 5/2, 19 95



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

1. Owner Virginia Electric & Power Company Date 5-1-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 R/A 95-105, WO 00292445  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Main steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83, 85 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SV-202B	UNK	Replaced	NO
Nut, Heavy Hex	N/A	N/A	N/A	2-MS-SV-202B	UNK	Replaced	NO
1 3/8" Rod, Threaded	N/A	N/A	N/A	2-MS-SV-202B	UNK	Replaced	NO
1 3/8" dia Nut, Heavy Hex	Cardinal	HT#E668245	N/A	2-MS-SV-202B	1993	Replacement	NO
1 3/8" Texas Bolt	Texas Bolt	HT#16540JK	N/A	2-MS-SV-202B	1994	Replacement	NO
		HT#6682311	N/A	2-MS-SV-202B	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date May 2, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by N.S.B.I.I. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/24/95 to 3/29/95 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.

Mark M. Hone Commissions NB9531, V4484, I, N/A  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/2, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-1-95  
 Name  
5800 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
P.O. Box 402 Mineral, VA 23117 R/R 95-106 LWO 00292446  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5800 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83, 84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SV-202C	UNK	Replaced	NO
Nut, Heavy Hex	N/A	N/A	N/A	2-MS-SV-202C	UNK	Replaced	NO
1 3/8" Red, threaded	N/A	N/A	N/A	2-MS-SV-202C	UNK	Replaced	NO
1 3/8" dia	AIG Engineering	HT# 69453	N/A	2-MS-SV-202C	1993	Replacement	NO
Nut, Heavy Hex		HT# 165403K			1994		
1 3/8"	Texas Bolt	HT# 6062311	N/A	2-MS-SV-202C	1994	Replacement	NO

7. Description of Work Replace Inlet Flange Bolting

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamilton ISI Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by H.S.D. Inc. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3/24/95 to 3/29/95, 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.

Michael M. Hane Commissions NB9531 VA424 I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/2 19 95



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

- Owner Virginia Electric & Power Company Date 5-1-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Name Address
- Plant North Anna Power station Unit 2  
PO Box 402 Mineral, VA 23117 RJR 95-107, WDO 00292447  
Name Address Repair Organization P.O. No., Job No., etc.
- Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
Name Address Expiration Date
- Identification of System Main Steam
- (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 7B, 81, B3A, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/4" dia	N/A	N/A	N/A	2-MS-SV-203A UNK	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SV-203A UNK	UNK	Replaced	NO
Rod, Threaded 1 3/8" dia	AEG Engineering	HT# 69453	N/A	2-MS-SV-203A	1993	Replacement	NO
Nut Heavy Hex 1 3/8"	Texas Bolt	HT# 165403K	N/A	2-MS-SV-203A	1994	Replacement	NO
		HT# 6062311	N/A		1994	Replacement	NO

- Description of Work: Replace Inlet Flange Bolting
- Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks

ASME CLASS 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

J.P. Hamill  
Owner or Owner's Designee, Title

ISI Engineer

Date

May 2

19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B. I.E. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3/28/95 to 3/29/95, 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.

Mal M. Hana  
Inspector's Signature

Commissions

NO9531, V424, I.N.A.  
National Board, State, Province, and Endorsements

Date

5/2

19 95

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

1. Owner Virginia Electric & Power Company Date 5-1-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 2. Plant North Anna Power Plant Unit 2  
PO Box 402 Mineral, VA 23117 R/A 95-108, WD 0029244B  
 Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Expiration Date N/A  
 4. Identification of System Main Steam  
 5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83(a), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-M5-SV-203B	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-M5-SV-203B	UNK	Replaced	NO
Rod, Threaded 1 3/8" dia	Cardinal	HT# 606231	N/A	2-M5-SV-203B	1993	Replacement	NO
Nut, Heavy Hex 1 3/8"	Texas Bolt	HT# 606231	N/A	2-M5-SV-203B	1994	Replacement	N

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

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

FORM NIS-2 (Back)

9. Remarks

ASME Class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

SP Hamilton  
Owner or Owner's Designee, Title

ISI Engineer

Date

May 2

19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.E.I. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3/25/95 to 3/29/95, 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.

Mark M. Hana  
Inspector's Signature

Commissions

NB9531

VA424

IN 143

National Board, State, Province, and Endorsements

Date

5/2

19 95



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

1. Owner Virginia Electric & Power Company Date 5-1-95  
Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant North Anna Power Station Unit 2  
Name  
PO Box 402 Mineral, VA 23117 R/R 95-109, WO 00392449  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Expiration Date N/A  
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda, 7B, 81, B561, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SV-203C	UNK	Replaced	NO
Nut, Heavy Hex	N/A	N/A	N/A	2-MS-SV-203C	UNK	Replaced	NO
1 3/8" Rod, Threaded	N/A	N/A	N/A	2-MS-SV-203C	UNK	Replaced	NO
1 3/8" dia	AIG Engineering	HT# 69453	N/A	2-MS-SV-203C	1993	Replacement	NO
Nut, heavy hex		HT# 165405K			1994		
1 3/8"	Texas Bolt	HT# 6062311	N/A	2-MS-SV-203C	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of VIRGINIA and employed by H.S.D.I.E. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/22/95 to 3/27/95, 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.

Michael M. Hana Commissions NBPS31, VA424, F.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/2, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-1-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R 95-110, WO 00292450 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 7B, 8, 8A, 11.5 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/4" dia	N/A	N/A	N/A	2-MS-SV-204A	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SV-204A	UNK	Replaced	NO
Rod, Threaded 1 3/8" dia	Cardinal	HT# 9546243	N/A	2-MS-SV-204A	1993	Replacement	NO
Rod, Threaded 1 3/8" dia	AIG Engineering	HT# 69453	N/A	2-MS-SV-204A	1993	Replacement	NO
Nut, Heavy Hex 1 3/8"	TEXAS Bolt	HT# 16540JK	N/A	2-MS-SV-204A	1994	Replacement	NO
		HT# 6062311	N/A	2-MS-SV-204A	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H. S. D. I. I. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/25/95 to 3/29/95, 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.

Mark M. Anac Commissions NO9531, VA 424 I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 5/6 19 95



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

1. Owner Virginia Electric & Power Company Date 5-1-95  
Name  
5000 Dominion Blvd Glen Allen, VA 23060  
Address
2. Plant North Anna Power station Sheet 1 of 1  
Name  
PO Box 403 Mineral, VA 23117 Unit 3  
Address R/R 95-111, WO 00292451  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78, 81, B31.7, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SV-2048	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SV-2048	UNK	Replaced	NO
Red. threaded 1 3/8" dia	Cardinal	HT#8868243	N/A	2-MS-SV-2048	1993	Replacement	NO
Nut, Heavy Hex 1 3/8"	Texco Bolt	HT#16540JK	N/A	2-MS-SV-2048	1994	Replacement	NO
		HT#6062311	N/A	2-MS-SV-2048	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed J.P. Hamilton  
Owner or Owner's Designee, Title

IST Engineer

Date May 2, 19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.T. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/28/95 to 3/29/95, 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.

Neal M. Hana  
Inspector's Signature

Commissions NB 9531, VA 424 I.N.A.  
National Board, State, Province, and Endorsements

Date 5/2 19 95

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

1. Owner Virginia Electric & Power Company Date 5-1-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R 95-112, WD 00292452 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 82(B), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SV-204C	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SV-204C	UNK	Replaced	NO
Rod, Threaded 1 3/8" dia	AFG Engineering	HT# 69453	N/A	2-MS-SV-204C	1993	Replacement	NO
Nut, Heavy Hex 1 3/8"	Texas Bolt	HT# 16540JK HT# 6062311	N/A	2-MS-SV-204C	1994 1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.C.I. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3/22/95 to 3/29/95, 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.

David M. Hamill Commissions NB9531, VA 424, J.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/2 19 95



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

1. Owner Virginia Electric & Power Company Date 5-1-85  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
NR 95-113, WD 00292453 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda, 75, 81, 82, 83, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SU-205A	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SU-205A	UNK	Replaced	NO
Rod, Threaded 1 3/8" dia	Cardinal	HT#8868243	N/A	2-MS-SU-205A	1993	Replacement	NO
Nut, Heavy Hex 1 3/8"	Texas Bolt	HT#16540 JK	N/A	2-MS-SU-205A	1994	Replacement	NO
		HT#8868211	N/A	2-MS-SU-205A	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamilton IST Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.T. & P. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/28/95 to 3/29/95, 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.

Mark M. Hanna Commissions ND9531, VA 424, I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/2, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-1-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 R/O 95-114, W/O 00292454  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 70, 81, 83A, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SV-205B	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SV-205B	UNK	Replaced	NO
Rod, Threaded 1 3/8" dia	Cardinal	HT#9865243	N/A	2-MS-SV-205B	1993	Replacement	NO
Nut, Heavy Hex 1 3/8"	TEXAS Bolt	HT#16540JK	N/A	2-MS-SV-205B	1994	Replacement	NO
		HT#6062311	N/A	2-MS-SV-205B	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by A.S.B.I.E. of  
Hartford, CT have inspected the components described  
 in this Owner's Report during the period 3/25/95 to 3/29/95, 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.

David M. Allen Commissions NB7531, VA424 J.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/2 19 95



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

1. Owner Virginia Electric & Power Company Date 5-1-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R 95-115, WO 00292455 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, B1, B3, B4, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86 @ 5-1-95

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/8" dia	N/A	N/A	N/A	2-MS-SV-205C	UNK	Replaced	NO
Nut, Heavy Hex 1 3/8"	N/A	N/A	N/A	2-MS-SV-205C	UNK	Replaced	NO
Rod, Threaded 1 3/8" dia	AFG Engineering	#7# 69453	N/A	2-MS-SV-205C	1993	Replacement	NO
Nut, Heavy Hex 1 3/8"	TEXSS Bolt	#7# 16540JK	N/A	2-MS-SV-205C	1994	Replacement	NO
		#7# 6062311	N/A	2-MS-SV-205C	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date May 2, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B. E. I. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/24/95 to 3/29/95, 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.

David M. Hough Commissions NB9531 VA424 I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 5/2 19 95

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

1. Owner Virginia Electric & Power Company Date 4-14-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-119, WO 00315312  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 1969 Edition, 1970 Addenda 79, 81, 83A, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, Structural 7/8" dia.	UNK	UNK	N/A	2-AL-MOV-2536	UNK	Replaced	NO
Nut, Heavy Hex 7/8"-9	UNK	UNK	N/A	2-AL-MOV-2536	UNK	Replaced	NO
Stud, Structural 7/8" dia.	Novel	HT#8092696	N/A	2-AL-MOV-2536	1987	Replacement	NO
Nut, Heavy Hex 7/8"-9	Texas Bolt	HT#6064259	N/A	2-AL-MOV-2536	1994	Replacement	NO
Nut, Heavy Hex 7/8"-9	Texas Bolt	HT#8896151	N/A	2-AL-MOV-2536	1994	Replacement	NO
Nut, Heavy Hex 7/8"-9	Texas Bolt	HT#8896151	N/A	2-AL-MOV-2536	1991	Replacement	NO

7. Description of Work Replace Valve Body to Bonnet Bolting.

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 1  
 Applicable Manufacturer's Data Reports to be attached  
VT-1 Visual Examination (B-G-2)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed A. R. Hamill ISI Engineer Date April 15, 19 95  
 Owner of Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H. J. B. I. E. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3/22/95 to 3/29/95, 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.

Mal M. Hamill Commissions NR9531, NAVY, I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date April 17, 19 95



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

1. Owner Virginia Electric & Power Company Date 4-13-95  
Name  
5000 Dominion Blvd. Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant North Anna Power Station Unit 2  
Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-122, WO 00315216  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Expiration Date N/A  
Address
4. Identification of System Quench Spray
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), Code Case 115  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Studs	N/A	N/A	N/A	2-QS-TK-1	UNK	Replaced	No
3/4-10 Nuts	N/A	N/A	N/A	2-QS-TK-1	UNK	Replaced	No
Rod, Threaded 3/4-10	Jorgensen Steel	Ht#8655117	N/A	2-QS-TK-1	1994	Replacement	No
3/4-10 Heavy Hex Nut	Texas Bolt	Ht#8643493	N/A	2-QS-TK-1	1993	Replacement	No

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed S.P. Hamill ISI Engineer Date April 15, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.E. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3/29/95 to 3/30/95, 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.

Mark M. Anna Commissions ND 9531 V 4424 J.N.A.  
Inspector's Signature National Board, State, Province, and Endorsements

Date April 17, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-25-95  
Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant North Anna Power Station Unit 2  
Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-134, WO 00272246  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Expiration Date N/A  
Address
4. Identification of System Steam Generator Blowdown
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 82, 83, 84, 85 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Weld 6	N/A	N/A	N/A	2" WCCB-419-601-62	1977	Replaced	NO
Weld 6A	VP	N/A	N/A	2" WCCB-419-601-62	1995	Replacement	NO

7. Description of Work Remove / replace weld to allow access to clogged piping
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒ 5-25-95  
 Other ☐ Pressure 1385 psi Test Temp. 105 °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

Performed Construction Code LP examination on replacement weld

Performed UT-2 visual examination during system <sup>Hydrostatic</sup> ~~leakage~~ Test performed 5-25-95

In lieu of a Hydrostatic Test per Code Case Addenda 2 5-25-95

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed A.P. Han FSI Engineer Date May 25, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.C.I. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3/10/95 to 5/21/95, 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.

Mark M. Han Commissions NB2531 VA424 IN/A  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 6, 19 95



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

1. Owner Virginia Electric & Power Company Date 5-18-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R Program 95-136, WO 00315421 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda 7B, 81, B31.7, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, Structural 7/8" Dia.	N/A	N/A	N/A	2-RL-HCV-2557A	UNK	Replaced	NO
Nut, Heavy Hex 7/8"	N/A	N/A	N/A	2-RL-HCV-2557A	UNK	Replaced	NO
Stud, Structural 7/8" Dia.	TEXSS Bolt	HT# 38287	N/A	2-RL-HCV-2557A	1955	Replacement	NO
Nut, Heavy Hex 7/8"	TEXSS Bolt	HT# 158627F	N/A	2-RL-HCV-2557A	1954	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 1  
Preservice Applicable Manufacturer's Data Reports to be attached  
Performed a VT-1 visual examination (sect B-G-2) on  
replacement bolting.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date May 19, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H. J. B. 212 of Hartford, CT have inspected the components described in this Owner's Report during the period 3/10/95 to 5/12/95, 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.

Mal M. Hara Commissions NB 2531, VA 424, D.M.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 6, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-26-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Manassas, VA 23117 DCP95-109  
 Address R/R Program 95-154, WO 00273258-03  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 74, 81, 83(2), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Plate, structural 3/4"	AO Severstals	HT # 340053	N/A	3"-CH-411-1502-92	1994	Replacement	NO
Plate, structural 3/4"	Citistec	HT # F715	N/A	3"-CH-411-1502-92	1993	Replacement	NO

7. Description of Work Modify pipe supports H-238 and H-239
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks ASME CLASS NF (for ASME CLASS 2 component)  
Preservice Applicable Manufacturer's Data Reports to be attached  
Performed NPT-3 visual examination on modified supports.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date May 26, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.I. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/3/95 to 4/18/95, 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.

M. M. Fina Commissions NB5531, VA424, JNA  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 5, 19 95



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

1. Owner Virginia Electric & Power Company Date 4-15-93  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-156, WDP 00282792  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda, 78, 81, 83A, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, structural 7/8"	N/A	N/A	N/A	2-RH-25	UNK	Replaced	NO
Nut, Heavy Hex 7/8"	N/A	N/A	N/A	2-RH-25	UNK	Replaced	NO
Rod, Threaded 7/8" Diameter	AIG Engineering	HT# 50035	N/A	2-RH-25	1992	Replacement	NO
Nut, Heavy Hex 7/8"	US Bolt	HT# 56832	N/A	2-RH-25	1994	Replacement	NO
		HT# 6064799			1994		
	Texas Bolt	HT# 8556151	N/A	2-RH-25	1994	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Danill ISI Engineer Date April 18, 19 95  
Owner or Owner's Designee/ Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.D.E.E. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/5/95 to 4/7/95, 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.

Michael A. Adams Commissions NB 9531 VA 424 E.N.A.  
Inspector's Signature National Board, State, Province, and Endorsements

Date Apr. 18, 19 95

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

1. Owner Virginia Electric & Power Company Date May 30, 1995  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-157, 600 00315895  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Component Cooling
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83A, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Check Valve	Mission valve	15B182	N/A	02-CC-199	UNK	Replaced	NO
Check Valve	AGCO	N25B15	N/A	02-CC-199	1989	Replacement	NO

7. Description of Work Replace valve
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 98 psi Test Temp. 95 °F

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

FORM NIS-2 (Back)

9. Remarks ASME CLASS 2 <sup>85-45</sup>

Applicable Manufacturer's Data Reports to be attached

Performed VT-2 visual examination at normal operating pressure and temperature.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date May 30 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.J.B. & E. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/5/95 to 5/27/95, 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.

Michael M. Hane Commissions NB2531 N/A 424 I, N, A  
Inspector's Signature National Board, State, Province, and Endorsements

Date JUN 7 19 95



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

1. Owner Virginia Electric & Power Company Date 6-21-95  
Name  
5000 Dominion Blvd. Glen Allen, VA 23060  
Address
2. Plant North Anna Power Station Sheet 1 of 1  
Name  
P.O. Box 402, Mineral, VA 23117  
Address Unit 2  
R/R Program 95-161, W.O. 315976-01  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name  
5000 Dominion Blvd. Glen Allen, VA 23060  
Address Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Quench Spray
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78, B1, B3(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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	N/A	N/A	N/A	2-QS-TK-1	Unk.	Replaced	No
Nuts	Cardinal	Heat# 207396	N/A	2-QS-TK-1	1991	Replacement	No
Cap Screws	N/A	N/A	N/A	2-QS-TK-1	Unk.	Replaced	No
Cap Screws	Texas Bolt	Heat# 27769	N/A	2-QS-TK-1	1989	Replacement	No

7. Description of Work Replaced bolting material. Tank leaking past threads.
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 ASME Class 2.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed J.P. Hamill  
Owner or Owner's Designee, Title

Date June 21, 19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B. 2-2 of Hartford, CT have inspected the components described in this Owner's Report during the period 4/6/95 to 4/8/95, 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.

Mal M. Am  
Inspector's Signature

Commissions NB 5531 VA 424 IMA  
National Board, State, Province, and Endorsements

Date June 21, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-16-95  
Name

5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Address

2. Plant North Anna Power Station Unit 2  
Name

5 PO Box 402 Mineral, VA 23117 R/R Program 95-165 W0 00293378  
Address Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name

5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
Address Expiration Date N/A

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 7B, 8A, 8B, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Nozzle</u>	<u>Crosby</u>	<u>N/A</u>	<u>N/A</u>	<u>2-CH-RV-2203</u>	<u>UNK</u>	<u>Replaced</u>	<u>NO</u>
<u>Nozzle</u>	<u>Crosby</u>	<u>N40137-93-0320</u>	<u>N/A</u>	<u>2-CH-RV-2203</u>	<u>1991</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Replace relief valve nozzle

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2235 psi Test Temp. 100 °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 ASME class 2  
 Applicable Manufacturer's Data Reports to be attached  
Performed VT-2 visual examination at system normal  
operating pressure and temperature.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed I.P. Hamill ISI Engineer Date May 31, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.T. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/8/95 to 5/20/95, 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.

Mark M. Hamill Commissions NO 9531, VA 424, I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 6 19 95

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

1. Owner Virginia Electric & Power Company Date 5-8-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Name Address
2. Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117 R/R Program 95-167, WD 00316155  
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
Name Address Expiration Date N/A
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 7E, 81, B36, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Nut, Heavy Hex 1/2"	N/A	N/A	N/A	2-CH-R-1	UNK	Replaced	NO
Nut, Heavy Hex 1/2"-13	Texas Bolt	HT # 8875336	N/A	2-CH-R-1	1990	Replacement	NO
Flatwasher 1/2"	Wrought Washer	Lot # 14544	N/A	2-CH-R-1	1994	Replacement	NO

7. Description of Work Install 5045 Replaces locknut and washers on hanger
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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



FORM NIS-2 (Back)

9. Remarks ASME Class NF  
 Applicable Manufacturer's Data Reports to be attached  
Performed UT-3 visual examination on hanger following  
installation of nut and washers.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamilton ISI Engineer Date May 8 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.D.I.E. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/2/95 to 4/22/95, 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.

Mark M. Hogg Commissions NB 9531, VA 484, I, N/A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/10 19 95

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

- Owner Virginia Electric & Power Company Date 5-15-95  
5000 Dominion Blvd Glen Allen, VA 23060  
 Name Address Sheet 1 of 1
- Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117  
 Name Address R/R Program 95-181, WD 00303020  
 Repair Organization P.O. No., Job No., etc.
- Work Performed by Fluer Daniels Type Code Symbol Stamp N/A  
Daniels Bldg Greenville, SC 29601  
 Name Address Authorization No. N/A  
 Expiration Date N/A
- Identification of System Reactor Coolant
- (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 82(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
- Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Pin</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RL-R-2A</u>	<u>UNK</u>	<u>Replaced</u>	<u>NO</u>
<u>Spanner Nut</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RL-R-2A</u>	<u>UNK</u>	<u>Replaced</u>	<u>NO</u>
<u>Jam Nut</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RL-R-2A</u>	<u>UNK</u>	<u>Replaced</u>	<u>NO</u>
<u>Pin</u>	<u>Newport News Shipbuilding (US Bolt)</u>	<u>HT# T9147</u>	<u>N/A</u>	<u>2-RL-R-2A</u>	<u>1992</u>	<u>Replacement</u>	<u>NO</u>
<u>Spanner Nut</u>	<u>Newport News</u>	<u>HT# 335416</u>	<u>N/A</u>	<u>2-RL-R-2A</u>	<u>1992</u>	<u>Replacement</u>	<u>NO</u>
<u>Jam Nut</u>	<u>Newport News</u>	<u>HT# 335416</u>	<u>N/A</u>	<u>2-RL-R-2A</u>	<u>1992</u>	<u>Replacement</u>	<u>NO</u>

- Description of Work Replace Steam Generator Upper Restraint Pin, Spanner Nut and Jam Nut
- Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class NF

Applicable Manufacturer's Data Reports to be attached

Performed UT-3 visual ~~examination~~ examination on reassembled  
restraint.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

S.P. Kamil ISE Engineer

Date

May 15, 19 95

Owner or Owner's Designee/Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
or Province of Virginia and employed by H.F.B.I.C. of  
Hartford, CT have inspected the components described  
in this Owner's Report during the period 4/11/95 to 5/13/95, 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.

M. M. Hene  
Inspector's Signature

Commissions

NB 2531, VA 424, I.N.B.  
National Board, State, Province, and Endorsements

Date

May 16 19 95

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

1. Owner Virginia Electric & Power Company Date 5-28-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 403 Mineral, VA 23117 Address  
R/R Program 95-183, WDO 00245-304-02 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 2B, 81, B362, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve, Gate 3"	Valcon	N/A	N/A	Z-5I-MOV-2867B UNK		Replaced	NO
Valve, Gate 3"	Valcon	952058	N/A	Z-5I-MOV-2867B	1995	Replacement	NO
Weld 24A	VP	N/A	N/A	Z-5I-MOV-2867B	1995	Replacement	NO *
Weld 26	VP	N/A	N/A	Z-5I-MOV-2867B	1995	Replacement	NO *

7. Description of Work Replace Valve
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2680 psi Test Temp. 160 °F

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

FORM NIS-2 (Back)

9. Remarks ASME CLASS 2

Applicable Manufacturer's Data Reports to be attached

Performed Construction Code final RT on replacement welds. \* Performed  
Preservice final RT LP on both welds and final UT on weld 26. Due to  
weld contour, RT used as preservice volumetric examination for weld 24A. Performed  
VT-2 visual examination at normal operating temperature and pressure in lieu  
of hydrostatic test per ASME Code Case N-416-1. Original work package  
was forwarded to station Records prior to ANII final review. corrective action  
is documented in DB N95-955.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date June 6, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.B. & E of  
Hartford, CT have inspected the components described  
 in this Owner's Report during the period 4/12/95 to 5/20/95, 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.

Mark M. Hamill Commissions NB9531 VA424 IN 9  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 21 19 95



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

1. Owner Virginia Electric & Power Company Date 4-25-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-194 WO 00302707  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda, 7B, 81, B31.7, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Disc, Valve	Velan	N/A	N/A	02-CH-35B	UNK	Replaced	NO
Disc, Valve	Velan	HT# B404	N/A	02-CH-35B	1993	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 1  
 Applicable Manufacturer's Data Reports to be attached  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date April 25, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.I. of Hartford, CT. have inspected the components described in this Owner's Report during the period 4/15/95 to 4/15/95, 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.

Mark M. Hous Commissions NB 8531 VA 424 J.N.A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date Apr. 26, 19 95

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

1. Owner Virginia Electric & Power Company Date 6-1-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 2
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
 DCP 95-158  
R/R Program 95-197, WD 00277473-02  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78, 81, B31.7, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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, 6" Check	N/A	N/A	N/A	2-SI-100	unk	Replaced	NO
Pipe, 6" NPS	N/A	N/A	N/A	6"-SI-533-150-61	unk	Replaced	NO
Pipe, 6" NPS	Vallourec	HT# B6115	N/A	6"-SI-533-150-61	1987	Replacement	NO
Valve, 6" check	Westinghouse	HT# 742584	W19975	2-SI-100	1979	Replacement	Yes
Weld 2A	VP	N/A	N/A	6"-SI-533-150-61	1983	Replacement	NO

7. Description of Work Replace valve and associated piping
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2235 psi Test Temp. 55 °F

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

FORM NIS-2 (Back)

9. Remarks ASME class 1

Applicable Manufacturer's Data Reports to be attached

Performed construction code RT and LP examinations on all welds. \* Performed  
preservice RT and LP examinations on all welds. Performed VT-1 on bonnet  
bolting and VT-3 on valve body. Performed VT-2 visual examination at normal  
system operating pressure and temperature in lieu of a hydrostatic  
test per Code Case N416-1. Welding performed by PCI, 1 Energy Dr. Lake Bluff, IL  
60044

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date May 31, 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I.T. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/15/95 to 5/30/95, 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.

Mark M. Hauer Commissions NB 9531 VA 424 J.N.A.  
Inspector's Signature National Board, State, Province, and Endorsements

Date June 7, 19 95

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

Page 96 of 115

[illegible]



## FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES\*

(As Required by the Provisions of the ASME Code, Section III, Div. 1)

S/O 1H170  
Docket Number: 50-339

1. Manufactured by Westinghouse Electro-Mechanical Div., Cheswick Ave., Cheswick, Pa. 15015  
(Name and Address of Manufacturer)
2. Manufactured for Consolidated Edison Co. of NY, 4 Irving Place, New York, NY 10003  
(Name and Address of Purchaser or Owner)
3. Location of Installation Indian Point No. 2, New York  
(Name and Address)
4. Pump or Valve Valve Nominal Inlet Size 5.187 (inch) Outlet Size 5.187 (inch)

Attachment 2  
Page 97 of 115

(a) Model No., Series No. or Type	(b) Manufacturers' Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Std. No.	(g) Year Built
(1) 06001CS990000D000W750045		N/A	8374D15	I	W19975	1979
(2)		Ref. Dwg.	8375D05			
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. 6"-1655 Swing Check Valve Valve I.D. 6C88  
(Brief description of service for which equipment was designed)

6. Design Conditions 2500 psi 650 °F or Valve Pressure Class N/A (1)  
(Pressure) (Temperature)
7. Cold Working Pressure 4138 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
			*Revised to change site location, customer info, and stress analysis information
(b) Forgings			
Body	S/N 6097	SA 182 GR F304	ParkDropFrgDiv
Bonnet	S/N 6991	SA 240 TY 304	EasternStlCo
Disc	S/N 6598	SA 564 GR 630	CarpenterTech

(1) For manually operated valves only.

\* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

(3/77)

This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017



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

1. Owner Virginia Electric & Power Company Date 5-8-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117 R/R Program 95-202, WD 0031649-01  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 1969 Edition, 1970 Addenda 7B, 81, B31R, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Capscrew, 7/16"	N/A	N/A	N/A	2-RL-R-1	UNK	Replaced	NO
Nut, Hex 7/16"	N/A	N/A	N/A	2-RL-R-1	UNK	Replaced	NO
Capscrew, 7/16"	Cardinal	HT# C6635	N/A	2-RL-R-1	1988	Replacement	NO
Nut, Hex 7/16"	Texas Bolt Manufacturing Spectator	HT# 36331	N/A	2-RL-R-1	1988	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME CLASS NF  
 Applicable Manufacturer's Data Reports to be attached  
Performed UT-3 visual examination following clamp  
bolting replacement.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date May 8, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.D. I.E. of Hertford, CT have inspected the components described in this Owner's Report during the period 4/18/95 to 4/21/95, 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.

Mark M. Jones Commissions ND2531, VAVZY I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/10 19 95



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

1. Owner Virginia Electric & Power Company Date 5-12-95  
Name  
5200 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant North Anna Power Station Unit 2  
Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-206, WD 00288054  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Expiration Date N/A  
Address
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 2B, 4, 8, 11, 15 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Lock Washer	N/A	N/A	N/A	2-RL-HSS-D10B	UNK	Replaced	NO
Lock Washer	N/A	N/A	N/A	2-RL-HSS-D10B	UNK	Replacement	NO

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

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



FORM NIS-2 (Back)

9. Remarks ASME Class NF  
 Applicable Manufacturer's Data Reports to be attached  
Performed VT-3 visual examination of re-assembled restraint.  
Per ASME III, Article NF-2120.61, no material requirements  
are listed for washers.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed A.P. Hamill ISI Engineer Date May 15, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.D.I.E. of  
Hartford, CT have inspected the components described  
 in this Owner's Report during the period 4/12/95 to 5/4/95, 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.

Mark M. Hamill Commissions NB 2531 VA 424 I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/16 19 95

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

1. Owner Virginia Electric & Power Company Date 5-15-95  
Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant North Anna Power Station Unit 2  
Name  
PO Box 402 Mineral, VA 23112 R/R 95-207; WD 00303030  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Elmer Daniels Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
Daniels Bldg Greenville, SC 29601 Expiration Date N/A  
Address
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 2B, 2C, 2D, 2E Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Pin</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>2-RC-HSS-1A</u>	<u>UNK</u>	<u>Replaced</u>	<u>NO</u>
<u>Pin</u>	<u>Newport News Shipbuilding (U.S. Boat)</u>	<u>HT# T9147</u>	<u>N/A</u>	<u>2-RC-HSS-1A</u>	<u>1992</u>	<u>Replacement</u>	<u>NO</u>

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

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

FORM NIS-2 (Back)

9. Remarks ASME class NF  
 Applicable Manufacturer's Data Reports to be attached  
Performed UT-3 visual examination on reassembled restraint

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date May 15 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by A.S.D.I.E. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/19/95 to 5/12/95, 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.

M. M. M. M. Commissions ND 9531 VA 424 I, N/A  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 5/16 19 95

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

1. Owner Virginia Electric & Power Company Date 5-9-95  
Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant North Anna Power Station Unit 2  
Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-223, WO 00317019  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Expiration Date N/A  
Address
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83, 84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Washer	VP (Carbon Steel)	HT# 620888	N/A	2-SI-SH-39	1995	Replacement	N/D

7. Description of Work Fabricate and install banded washer on hanger baseplate
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class NF  
Applicable Manufacturer's Data Reports to be attached  
Performed VT-3 visual examination following washer  
Installation on support.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill ISI Engineer Date May 8 19 95  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.B.I.E. of  
Hertford, CT. have inspected the components described  
 in this Owner's Report during the period 4/27/95 to 4/28/95, 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.

Mark M. Lane Commissions ND 9531 VA 424 I, N/A  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date 5/10/95 19 95



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

1. Owner Virginia Electric & Power Company Date 5-8-95  
Name  
5000 Dominion Blvd Glen Allen, VA 23060  
Address
2. Plant North Anna Power Station Sheet 1 of 1  
Name  
PO Box 402 Mineral, VA 23117  
Address R/R Program 95-224, WPD 00312392  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name  
5000 Dominion Blvd Glen Allen, VA 23060  
Address Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 1969 Edition, 1970 Addenda 78, 81, 83(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, 1 3/4"	N/A	N/A	N/A	2-SI-153	UNK	Replaced	NO
Nut, Heavy Hex 1 3/4"	N/A	N/A	N/A	2-SI-153	UNK	Replaced	NO
Rod, Threaded 1 3/4"	AIG Engineering <del>Foxes Belt</del>	HT# 84654	N/A	2-SI-153	1991	Replacement	NO
Nut, Heavy Hex 1 3/4"	Texas Bolt	HT# 8099358	N/A	2-SI-153	1994	Replacement	NO
Rod, Threaded 1 3/4" - 8	AIG Engineering	HT# 653674	N/A	2-SI-153	1989	Replacement	NO

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 1  
 Applicable Manufacturer's Data Reports to be attached  
Performed VT-1 visual examination on replacement bolting.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed J.P. Hamill, ISI Engineer Date May 8, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.P.T.I. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/27/95 to 5/3/95, 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.

Mal M. Hana Commissions NB 9531 VA424 I.N.A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5/10, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-16-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-230, WO 00317554  
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 2B, B1, B3B, 112 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stud, structural 7/8" Dia.	N/A	N/A	N/A	2"-CH-452-1502-44	UNK	Replaced	ND
Nut, Heavy Hex 7/8"	N/A	N/A	N/A	2"-CH-452-1502-44	UNK	Replaced	ND
Red, threaded 7/8" Dia.	U.S. Bolt	HT # 651648	N/A	2"-CH-452-1502-44	1994	Replacement	ND
Nut, Heavy Hex 7/8"	TEAGE Bolt	HT # 6064799	N/A	2"-CH-452-1502-44	1994	Replacement	ND
		HT # B856151					

7. Description of Work Replace flange bolting (FA-FLG-1)
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 1  
 Applicable Manufacturer's Data Reports to be attached  
Performed UT-1 Visual examination (A-6-2) on replacement  
belting.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamilton ISI Engineer Date May 16 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.D.I.E. of Hartford, CT have inspected the components described in this Owner's Report during the period 5/2/95 to 5/10/95, 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.

Mal m. Hume Commissions NB9531 V444 IN/A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date May 19 19 95

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

1. Owner Virginia Electric & Power Company Date 5-31-95  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 2  
Name Address
2. Plant North Anna Power Station Unit 2  
PO Box 402 Mineral, VA 23117 R/R Agency 95-231, WD 00306594  
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
Name Address Expiration Date
4. Identification of System Chemicals and Volume Control
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 7B, 81, B362, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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, Globe							
2"	Rockwell	N/A	N/A	2-CH-297	UNK	Replaced	NO
Pipe, 2", NPS							
SS	N/A	N/A	N/A	2"-CH-615-153A-01	UNK	Replaced	NO
Elbow, Pipe							
2", 90 Degrees	N/A	N/A	N/A	2"-CH-615-153A-01	UNK	Replaced	NO
Valve, Globe							
2"	Conval	2296	N/A	2-CH-297	1992	Replacement	NO
Pipe, 2", NPS							
SS	Combustion Engineering	HT# N18925	N/A	2"-CH-615-153A-01	1986	Replacement	NO

7. Description of Work Replace valve, elbow and connected piping
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 60 psi Test Temp. 547 °F

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



FORM NIS-2 (Back)

9. Remarks ASME Class 2  
 Applicable Manufacturer's Data Reports to be attached  
Performed construction code final LP examination on replacement welds.  
Performed VI-2 visual examination during system inservice test in lieu  
of a hydrostatic test as allowed by code case N416-1. Bypassed  
ANII hold point. Reference DR N 95-1043.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed S.P. Hamilton, ISI Engineer Date May 31, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S. D.I.T. of  
Hartford, CT have inspected the components described  
 in this Owner's Report during the period 5/3/95 to 5/30/95, 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.

Mark M. Anna Commissions NB 9531 VA 424 I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 21, 19 95

# SUPPLEMENTAL SHEET

Docket Number: 50-339  
Serial Number: 95-316  
Attachment 2  
Page 106 of 115

## 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 Company Date 5-31-95  
Probe  
5000 Dominion Boulevard Glen Allen, VA 23060 Sheet 2 of 2  
Address
2. Plant North Anna Power Station Unit 2  
Name  
P.O. Box 402 Mineral, VA 23117 R/A Program 95-231, WO 00306594  
Address Rep'd Organization, P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name  
5000 Dominion Blvd Glen Allen, VA 23060 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Elbow, Pipe, 2" 90 Degrees	Alloy Stainless	HT Code RE HT# 87101	N/A	2"-CH-615-153A-B1	1986	Replacement	NO
Weld 14	N/A	N/A	N/A	2"-CH-615-153A-B1	1977	Replaced	NO
Weld 15	N/A	N/A	N/A	2"-CH-615-153A-B1	1977	Replaced	NO
Weld 16	N/A	N/A	N/A	2-CH-297	1977	Replaced	NO
Weld 17	N/A	N/A	N/A	2-CH-297	1977	Replaced	NO
Weld 14A	VP	N/A	N/A	2"-CH-615-153A-B1	1995	Replacement	NO
Weld 15A	VP	N/A	N/A	2"-CH-615-153A-B1	1995	Replacement	NO
Weld 16A	VP	N/A	N/A	2-CH-297	1995	Replacement	NO
Weld 17A	VP	N/A	N/A	2-CH-297	1995 5-16-95	Replacement	NO

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

1. Owner Virginia Electric & Power Company Date 5-30-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
 R/R Program <sup>95-233</sup> 95-233 LIO 00317864  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code B31.7 1969 Edition, 1970 Addenda, 78, 81, 83, 84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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, Globe	Rockwell Edwards	UNK	N/A	2-RH-45	UNK	Replaced	NO
Valve, Globe	Rockwell Edwards	CDE54	N/A	2-RH-45	1988	Replacement	NO
Weld 15A	VP	N/A	N/A	2-RH-45	1955	Replacement	NO
Weld 16A	VP	N/A	N/A	2-RH-45	1995	Replacement	NO
Weld 15	N/A	N/A	N/A	2-RH-45	1977	Replaced	NO
Weld 16	N/A	N/A	N/A	2-RH-45	1977	Replaced	NO

7. Description of Work Replace valves
8. Tests Conducted: Hydrostatic Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 315 psi Test Temp. 325 °F

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

FORM NIS-2 (Back)

9. Remarks ASME class 2

Applicable Manufacturer's Data Reports to be attached

Performed construction code LP examination on replacement welds  
at normal operating temperature and pressure  
Performed UT-2 visual examination in lieu of hydrostatic test  
as allowed by code case N416-1. Bypassed ANI holdpoint.  
Reference DR N 95-1042.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed S.P. Hamill ISI Engineer Date May 30, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.B. I & T. of  
Hartford, CT have inspected the components described  
 in this Owner's Report during the period 5/4/95 to 5/29/95, 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.

Mark M. Hewer Commissions ND 9531 VA 424 J.M.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 21, 19 95



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

1. Owner Virginia Electric & Power Company Date 5-17-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
 Address
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 DCA 94-256  
 Address RIR Program 95-235, WO 00306952  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Fluer Daniels Type Code Symbol Stamp N/A  
 Name  
Daniels Bldg. Greenville, SC 29601 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System Feedwater
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 2B, B1, B3(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Pipe</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>3" WAPN-427-601-22 UNK</u>		<u>Repaired</u>	<u>No</u>

7. Description of Work Perform weld buildup on piping to correct minimum wall thickness problem
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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



FORM NIS-2 (Back)

9. Remarks ASME class 2

Applicable Manufacturer's Data Reports to be attached

Performed QA visual examination, a construction code final LP  
examination and a RT examination on the completed repair.  
(Repair No. 887 and 888)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

S.P. Hamill  
Owner or Owner's Designee, Title

ISI Engineer

Date

May 17

19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B. IIC of Hartford, CT have inspected the components described in this Owner's Report during the period 5/12/95 to 5/12/95, 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.

Michael M. Hinc  
Inspector's Signature

Commissions

NB9531 VA424 I.N.A  
National Board, State, Province, and Endorsements

Date

May 18 19 95

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

1. Owner Virginia Electric & Power Company  
Name  
5000 Dominion Blvd Glen Allen, VA 23060  
Address  
 Date 5-28-95  
 Sheet 1 of 1
2. Plant North Anna Power Station  
Name  
PO Box 402 Mineral, VA 23117  
Address  
 Unit 2  
DGP 93-011  
R/R Program 95-244, WD 00318212-02  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company  
Name  
5000 Dominion Blvd Glen Allen, VA 23060  
Address  
 Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 75, 81, 83, 84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Steel Plate, structural	Gulf States	HT# 7419850	N/A	Z-RC-PH4584	1993	Replacement	NO

7. Description of Work Modify support per DGP 93-011, IPR 95-235
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 ASME Class IWF (for Class 1 component)  
Prescribed Applicable Manufacturer's Data Reports to be attached  
Performed a VT-3 visual examination on modified support.  
Bypass ANII hold point. Reference DR N 95-1031

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill, ISI Engineer Date May 27, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.B.I.I. of  
Hartford, CT have inspected the components described  
 in this Owner's Report during the period 5/11/95 to 5/18/95, 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.

Mark M. Hana Commissions NB9531 VA424 I.N.A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 21 19 95

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

1. Owner Virginia Electric & Power Company Date 5-25-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 2
2. Plant North Anna Power Station Unit 2  
 Name  
PO BOX 402 Mineral, VA 23117 Address  
R/R Program 95-254, WO 00318199 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of 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, Globe 1 1/2"	VOGT	SW12141	N/A	2-MS-79	unk	Replaced	NO
Pipe, 1 1/2" NPS CS	N/A	N/A	N/A	2-MS-79	unk	Replaced	NO
Valve, Globe 1 1/2"	VOGT	533601 203446 (Bouquet)	N/A	2-MS-79	1985	Replacement	NO
Pipe, 1 1/2" NPS CS	Quaker	HT# 266711	N/A	2-MS-79	1983	Replacement	NO
Weld GBA	N/A	N/A	N/A	2-MS-79	1978	Replaced	NO

7. Description of Work Replace valve and associated piping
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure 1385 psi Test Temp. 105 °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2

Applicable Manufacturer's Data Reports to be attached

Performed construction code final LP examination on replacement  
welds. Performed VI-2 visual examination during the  
conduct of a System Hydrostatic Test.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

J.P. Hamill

ISI Engineer

Date

May 26

, 19 95

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
or Province of Virginia and employed by H.S.B.I.I. of  
Hartford, CT. have inspected the components described  
in this Owner's Report during the period 5/12/95 to 5/23/95, 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.

Mark M. Hane

Inspector's Signature

Commissions

NB9531, VA42Y, I, N/A  
National Board, State, Province, and Endorsements

Date

June 6, 19 95



Docket Number: 50-339  
Serial Number: 95-316  
Attachment 2  
Page 111 of 115

## Page 111 of 115

As required by the Provisions of the ASME Code Section XI

5000 Dominion Boulevard Glen Allen, VA 23060

Sheet 2 of 2

P.O. Box 402 Mineral, VA 23117

RIR Program 95-254, WD 00318199

5000 Dominion Blvd Glen Allen, VA 23060

Authorization No.	N/A
Expiration Date	N/A

5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

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

[illegible]

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

1. Owner Virginia Electric & Power Company Date 5-28-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R Program 95-262, WO 0031824-02 Repair Organization P.O. No., Job No., etc.
3. Work Performed by: Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 7B, 81, 83(R), 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Nut, Heavy Hex 3/8"	Texas Bolt	HT# 603086	N/A	2-RC-HSS-458.2	1990	Replacement	ND
Screw, Cap, Hex 3/8"	Standard	HT# R240528	N/A	2-RC-HSS-458.2	1993	Replacement	ND
Plate, A36 1-1/2" x 4' x 8'	Steel Authority of India	HT# 96197	N/A	2-RC-HSS-458.2	1994	Replacement	ND

7. Description of Work Modify snubber blocks to extend snubber
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class NF (on class 1 component)  
 Applicable Manufacturer's Data Reports to be attached  
Performed preservice UT-3 visual examination on modified  
subboiler.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date May 30, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H.S.D. I & E of  
Hartford, CT. have inspected the components described  
 in this Owner's Report during the period 5/15/95 to 5/17/95, 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.

Mal M. Hance Commissions NB 9531, VA 424, I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 6, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-30-95  
Name  
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1  
Address
2. Plant North Anna Power Station Unit 2  
Name  
PO Box 402 Mineral, VA 23117 R/R Program 95-272, WO 00303670-01  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
5000 Dominion Blvd Glen Allen, VA 23060 Expiration Date N/A  
Address
4. Identification of System Feedwater
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 78, 81, 83, 84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Cap Screw, Hex Head, 1" Diameter	Hardware specialty	HT#8825557	N/A	2-FW-HSS-225	1987	Replacement	ND
Nut, Heavy Hex 1"	Texas Bolt	HT#8865430	N/A	2-FW-HSS-225	1995	Replacement	ND

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

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



FORM NIS-2 (Back)

9. Remarks ASME class NF (for class 2 component)  
Performed preservice VI-3 visual examination on reassembled  
support.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A  
 Certificate of Authorization No. N/A Expiration Date N/A  
 Signed A.P. Hamilton ISI Engineer Date May 30, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B. I & T of Hartford, CT have inspected the components described in this Owner's Report during the period 5/19/95 to 5/20/95, 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.

Mark M. Hana Commissions NB 2531 VA 424 I, N, A  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 6, 19 95



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

1. Owner Virginia Electric & Power Company  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060  
 Address  
 Date 5-30-95
2. Plant North Anna Power Station  
 Name  
PO Box 402 Mineral, VA 23117  
 Address  
 Unit 2  
R/R Program 95-273, WD 303413-01  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060  
 Address  
 Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda, 78, 81, 83, 85, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Component .. Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Cover, Manway	Astro Nuclear						
Secondary	Dynamics, Inc	HT# D6472	N/A	2-RC-E-1C	1992	Replacement	NO
Bolt, Manway							
Closure 1 1/4" dia	Westinghouse	HT# 23883	N/A	2-RC-E-1C	1990	Replacement	NO

7. Description of Work Replace steam generator secondary manway and manway bolting.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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

FORM NIS-2 (Back)

9. Remarks ASME class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed J.P. Hamell, ISI Engineer  
Owner or Owner's Designee, Title

Date May 30, 19 95

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.D. I & D. of Hartford, CT have inspected the components described in this Owner's Report during the period 5/20/95 to 5/22/95, 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.

Mal M. Ham  
Inspector's Signature

Commissions NA9531, VA424, J.N.A.  
National Board, State, Province, and Endorsements

Date June 6, 19 95

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

1. Owner Virginia Electric & Power Company Date 5-30-95  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Sheet 1 of 1
2. Plant North Anna Power Station Unit 2  
 Name  
PO Box 402 Mineral, VA 23117 Address  
R/R Program 95-274, WO 00318869-01 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A  
 Name  
5000 Dominion Blvd Glen Allen, VA 23060 Address  
 Authorization No. N/A  
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 65 Edition, 1970 Addenda, 78, 81, 83, 84, 115 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Washer, Flat 2 1/2"	ATG Engineering	HT# 146852	N/A	Z-MS-HSS-218A	1992	Replacement	ND

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

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

FORM NIS-2 (Back)

9. Remarks ASME class NF (for class 2 component)  
 Applicable Manufacturer's Data Reports to be attached  
Performed preservice UT-3 visual examination on reassembled  
support.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill, ISI Engineer Date May 30, 19 95  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State  
 or Province of Virginia and employed by H. S. D. T. L. of  
Hartford, CT have inspected the components described  
 in this Owner's Report during the period 5/24/95 to 5/22/95, 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.

Mark M. Heave Commissions NB 9531, VA 424, I.N.A.  
 Inspector's Signature National Board, State, Province, and Endorsements

Date June 6, 19 95

**ATTACHMENT 3**

**1992 UNIT 2 REFUELING OUTAGE  
INSERVICE INSPECTION SUMMARY REPORT**

**EVALUATION ANALYSIS OF EXAMINATION AND RESULTS**

**NORTH ANNA POWER STATION - UNIT 2  
P.O. BOX 402  
MINERAL, VA 23117**

**COMMERCIAL SERVICE DATE 12-14-80**

**AUGUST 28, 1995**

**VIRGINIA ELECTRIC AND POWER COMPANY  
5000 DOMINION BOULEVARD  
GLEN ALLEN, VA 23060**



### **Evaluation Analysis**

There were two components which had a condition exceeding the acceptance standards of IWF-3410 and were not repaired.

- A) Improper spring settings were found on spring hanger 2-SHP-SH-38 on 12050-WMKS-102C, Class 2, The settings were determined to be acceptable since the examination was performed when the system was dry. The examination report and complete evaluation is on pages 2 through 4.
- B) The spring size for 2-RC-SH-26 on 12050-WMKS-110C, Class 1, did not agree with drawing 12050-PSSK-110C.06. The as-found condition was determined to be acceptable. The examination report and evaluation are on page 5 and 6.

VPAP-1103

1 Station [ ] Jarry [x] North Anna	Unit [ ] 1 [x] 2	System FW (WFPD)	Drawing Number(s)/Revision 12050-PSSK-102C.06	Repair/Replacement No. (When Applicable) N/A
2 Remote No		Direct Yes		

3. Component Inspected 2-WFPD-SH-38	ON 16"-WFPD-422-601-02
--	------------------------

4. For Spring Hanger		
Manufacturer Grinnell	Model Number B-268 TYPE "A"	Spring Size # 15

5. Work Order/DCP Number(s) (If Applicable) NDER 95-009
--

6. Checklist

For statements a through f, check the applicable selection for each condition.

- If the statement is true, check "Reject".
- If the statement is not true, check "Accept".
- If the statement does not apply, check "N/A". The use of "N/A" requires an explanation in the comment section (block 9) and may require re-examination.

a. Structural degradation of the support where the cross-section is reduced	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject <input type="checkbox"/> N/A
b. Deformation or structural degradations of fasteners, springs, clamps, or other support items	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject <input type="checkbox"/> N/A
c. Missing, detached, or loosened support items	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject <input type="checkbox"/> N/A
d. Arc strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machined or sliding surfaces	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject <input type="checkbox"/> N/A
e. Fluid loss beyond specific limits or lack of fluid indication (hydraulic snubbers only)	<input type="checkbox"/> Accept <input type="checkbox"/> Reject <input checked="" type="checkbox"/> N/A
f. Improper hot or cold positions (snubber and spring supports)	<input type="checkbox"/> Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/> N/A

7. Actual Setting <input checked="" type="checkbox"/> Hot 5400 Cold	Required Setting: 5144 Hot 5833 Cold
---	--------------------------------------

8. Supplemental examination required? (Explanation required if "Yes") <input type="checkbox"/> Yes <input type="checkbox"/> No
--

9. Comments (Any item with "N/A" must be explained.)
--

E: SPRING CAN SUPPORT-NO FLUID  
F: TOLERANCE OF +/- 10% OF 300# EXCEEDED

10. ISI Engineer Notified - Notification Received By (Name)	Date
---	------

11. Examiner (Print Name) CRAIG L. McCune	Examiner (Signature) <i>Craig L. McCune</i>	Certification Level W3 LV 2	Exam Date 4.24.95
12. ANII (Signature) <i>mm</i>			Date 4/26/95

Note: Provide any comments concerning visual aids required, scaffolding, insulation removal or weld preparation in block 9 of this form.

Form No. 720672 (Dec 93)

Key: VT-Visual Testing, DCP-Design Change Package; ISI-In-Service Inspection;  
ANII-Authorized Nuclear In-service Inspection

NORTH ANNA SITE ENGINEERING SERVICES

NASES-6.05

REV.1

ATTACHMENT 1

PAGE 1 OF 1

ASME SECTION XI COMPONENT EXAMINATION PROGRAM

STATION ISI REQUEST REA # 95 - 021

ENGINEERING EVALUATION

Class 1,2,&3 NDE Problem Resolution

NP \_\_\_\_\_

COMPONENT NO. 2-WFPD-54-38 LINE NO. 16"-WFPD-422-601-Q2

LOCATION DWG 12050-FP-2A REFERENCE DWG 12050-PSSK-102C.06

REPORTED PROBLEM:

DWG. CALLS FOR SPRING TO HAVE CAPLOAD OF 5833#. CAN CURRENTLY  
INDICATES 5400#

REPORTED BY: CRAGL McCUDG DATE: 4-24-95 EXT. 2675

Is the component operable in the current condition? Xyes \_\_\_no

EVALUATION: SEE ATTACHED EVALUATION

CORRECTIVE ACTION REQUIRED

NONE

EVALUATED BY: Harry E Modylinski

DATE: 4/25/95

REVIEWED BY: B. Sagaraj

DATE: 04-25-95

STATION ISI REQUEST REA #95-021

EVALUATION:

Spring hanger support 2-WFPD-SH-38 on line 16"-WFPD-422-601-Q2 is part of the SGR Project Critical Commodities List that was inspected to determine the as-found configuration. This spring hanger was inspected by Stone & Webster on 3/29/95 and the cold load setting was verified to be between 5760 lbs. and 6075 lbs. Currently, as part of SGR project activities, the Feedwater lines are drained. The low load setting reported by this REA is an expected condition due to the pipe being empty. The design cold load setting is based on the pipe being full of water.

PCM

Since the support was properly set ~~as~~ at the time that the SGR project Critical Commodities walkdown was performed, the spring hanger is considered fully operable for the past operating cycle. The support cold load setting will be verified by the SGR project after the Feedwater system is restored and "C" S/G secondary side filled. If further ISI verification is required, ISI can reinspect the support at that time or, if preferred, by review of final SGR project documentation for this support. Contact Gary Modzelewski (x2127) or Chuck Zalesiak (x2126) for assistance in obtaining SGR project documentation if needed.

VPAP-1103

1. Station [ ] rry <input checked="" type="checkbox"/> North Anna	Unit <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2	System <i>RC</i>	Drawing Number(s)/Revision <i>120SD-WMES-0110C</i>	Repair/Replacement No. (When Applicable) <i>N/A</i>
2. Remote <i>NO</i>		Direct <i>YES</i>		

3. Component Inspected <i>SH-26 ON 4" RC-415-1502-Q1</i>
---

4. For Spring Hanger		
Manufacturer <i>GRINDOLL</i>	Model Number <i>81H TYPE C'</i>	Spring Size <i>11"</i>

5. Work Order/DCP Number(s) (If Applicable) <i>NOER 95-009</i>
---

## 6. Checklist

For statements a through f, check the applicable selection for each condition.

- If the statement is true, check "Reject".
- If the statement is not true, check "Accept".
- If the statement does not apply, check "N/A". The use of "N/A" requires an explanation in the comment section (block 9) and may require re-examination.

a. Structural degradation of the support where the cross-section is reduced	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject <input type="checkbox"/> N/A
b. Deformation or structural degradations of fasteners, springs, clamps, or other support items	<input type="checkbox"/> Accept <input type="checkbox"/> Reject <input type="checkbox"/> N/A
c. Missing, detached, or loosened support items	<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject <input type="checkbox"/> N/A
d. Arc strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machined or sliding surfaces	<input type="checkbox"/> Accept <input type="checkbox"/> Reject <input checked="" type="checkbox"/> N/A
e. Fluid loss beyond specific limits or lack of fluid indication (hydraulic snubbers only)	<input type="checkbox"/> Accept <input type="checkbox"/> Reject <input checked="" type="checkbox"/> N/A
f. Improper hot or cold positions (snubber and spring supports)	<input type="checkbox"/> Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/> N/A

7. Actual Setting <i>N/A</i> Hot <i>9</i> Cold	Required Setting: <i>N/A</i> Hot <i>7.5</i> Cold
--	--

8. Supplemental examination required? (Explanation required if "Yes") <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---

9. Comments (Any item with "N/A" must be explained.)

*D - NO CLOSE TOLERANCE MACHINED OR SLIDING SURFACES*  
*E - NOT A HYDRAULIC SNUBBER*  
*\* SPRING SIZE ON PSSK IS 10. ACTUAL IS 11*  
*LOAD RATING ON PSSK IS 417#. ACTUAL IS 441#*  
*NO TRAVEL STOPS*

10. ISI Engineer Notified - Notification Received By (Name) <i>Donner</i>		Date <i>4-18-95</i>
11. Examiner (Print Name) <i>G. Butcher</i>	Examiner (Signature) <i>[Signature]</i>	Certification Level <i>II</i>
12. ANII (Signature) <i>[Signature]</i>		Exam Date <i>4-17-95</i>
		Date <i>4/18/95</i>

Note: Provide any comments concerning visual aids required, scaffolding, insulation removal or preparation in block 9 of this form.

Key: VT-Visual Testing, DCP-Design Change Package; ISI-In-Service Inspection;  
 ANII-Authorized Nuclear In-service Inspection





NORTH ANNA SITE ENGINEERING SERVICES

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ASME SECTION XI COMPONENT EXAMINATION PROGRAM

ATTACHMENT 1

PAGE 1 OF 1

STATION ISI REQUEST REA # 95 - 017

ENGINEERING EVALUATION

Class 1,2,&3 NDE Problem Resolution

NP \_\_\_\_\_

COMPONENT NO. 2-RC-SH-26 LINE NO. 4"-RC-415-1502-Q1

LOCATION DWG 12050-wmk3-0110C REFERENCE DWG 12050-PSSK-110C.06

REPORTED PROBLEM:

Spring size on PSSK is 10 with a load rating  
of 417#. Actual installed spring size is 11 with  
load rating of 441#. Need to determine which is  
correct.

REPORTED BY: Dewain Forbis DATE: 4-18-95 EXT. 2065

Is the component operable in the current condition? ☒ yes ☐ no

EVALUATION: The as-built condition is acceptable per Engineering  
Transmittal No. CEM-95-0023, Rev.1. DCR Nos. 95-128 & 95-129  
have been issued to revise 12050-PSSK-110C.06, SH 1+2 OF 2 to  
reflect the as-built configuration, as well as to correct the  
support mark number to "2-KC-SH-26".

CORRECTIVE ACTION REQUIRED

No further action required.

EVALUATED BY: C.D. Falcid DATE: 04-21-95

REVIEWED BY: B. Nagaraj DATE: 04-21-95