

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

June 27, 2000

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Serial No.: 00-294
NLOS/MM
Docket No.: 50-338
License No.: NPF-4

Gentlemen:

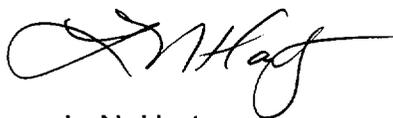
VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT 1
INSERVICE INSPECTION SUMMARY REPORT
FOR THE SPRING 2000 REFUELING OUTAGE

As set forth in the provisions of ASME Section XI, Paragraph IWA-6230, enclosed is the Inservice Inspection Summary Report for North Anna Power Station Unit 1 for the spring 2000 refueling outage. This report provides a summary of the examinations performed during the outage for the second inservice inspection interval.

In accordance with IWA-6220 of ASME Section XI, Attachment 1 includes a Form NIS-1, "Owner's Report for Inservice Inspections," an examination summary, and abstracts of examinations performed. Attachment 2 includes Forms NIS-2, "Owner's Report for Repairs or Replacements."

The entire report will be maintained on file at the corporate office. If you have any questions or require additional information, please contact us.

Very truly yours,



L. N. Hartz
Vice President - Nuclear Engineering and Services

Attachments

Commitments made in this letter: None.

A047

cc: U. S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth St., SW, Suite 23 T85
Atlanta, GA 30303-3415

Mr. M. J. Morgan
NRC Senior Resident Inspector
North Anna Power Station

Mr. M. Grace
Authorized Nuclear Inspector
North Anna Power Station

Mr. J. A. Reasor
Old Dominion Electric Cooperative
Innsbrook Corporate Center
4210 Dominion Blvd.
Glen Allen, Virginia 23260

Attachment 1

Inservice Inspection Summary Report

North Anna Power Station Unit 1

**P.O. Box 402
Mineral, Virginia 23117**

2000 Refueling Outage Owner's Report of Inservice Inspections for Interval 2

Commercial Service Date 6-6-78

**Virginia Electric and Power Company
5000 Dominion Boulevard
Glen Allen, Virginia 23060**

Attachment 1

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

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, VA 23060
(Name and Address of Owner)
2. Plant North Anna Power Station, P.O. Box 402, Mineral, VA 23117
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) NA
5. Commercial Service Date 06/06/78 6. National Board Number for Unit NA
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Pressurizer 1-RC-E-2	Westinghouse	1271	VA 58322	6888
Reactor Vessel 1-RC-R-1	RDM Rotterdam	30661	VA-58328	NA
Class 1 Piping Non-Serialized	Stone & Webster Eng. Corp.	NA	NA	NA
Class 2 Piping Non-Serialized	Stone & Webster Eng. Corp.	NA	NA	NA
Class 1 Component Supports	Stone & Webster Eng. Corp.	NA	NA	NA
Class 1 Piping 0109E-1, Weld 12	Southwest Fabricating	254	NA	NA
Class 1 Piping 0109F-1, Weld 24	Southwest Fabricating	260	NA	NA
Class 1 Piping 0109G-1, Weld 36	Southwest Fabricating	266	NA	NA

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

FORM NIS-1 (Back)

- 8. Examination Dates 10/7/98 to 4/30/00
- 9. Inspection Period Identification Third Period (12-24-95 - 4-30-00)
- 10. Inspection Interval Identification Second Interval (12-14-88 - 4-30-00)
- 11. Applicable Edition of Section XI 1983 Addenda Summer 1983
- 12. Date/Revision of Inspection Plan June 12, 2000, Revision 15
- 13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.
See Attachment 1, Abstract of Examinations Performed
See Attachment 1, Abstract of System Pressure Tests
- 14. Abstract of Results of Examinations and Tests.
See Attachment 1, Examination Summary, Page 3
- 15. Abstract of Corrective Measures.
See Attachment 1, Examination Summary, Page 3

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

Certificate of Authorization No. (if applicable) NA Expiration Date NA
Date JUNE 13 2000 Signed Virginia Elect. & Power Co. By EW Throckmole
Ent Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10/7/98 to 4/30/00, 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. Hesse Commissions VA 424-R
Inspector's Signature National Board, State, Province, and Endorsements
Date JUNE 14 2000

Examination Summary

Virginia Electric and Power Company North Anna Power Station

Unit 1

2000 Spring Refueling Outage 2nd Interval, 3rd Period

Introduction

This report covers inservice examinations and tests of Class 1 and Class 2 components, piping and component supports that were conducted at North Anna Power Station Unit 1 from October 6, 1998 through April 30, 2000. The examinations were conducted to meet the requirements of ASME Section XI, 1983 Edition through the summer 1983 Addenda, of the ASME Boiler and Pressure Vessel Code.

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

Inspections, witnessing and surveillance of the examinations and related activities were conducted by personnel from the Hartford Steam Boiler Inspection and Insurance Company, One State Street, Hartford, Connecticut 06102 (Mr. Mark Grace), and North Anna technical staff.

Limitations

Some of the arrangements and details of the piping systems and components were designed and fabricated before the access and examination requirements of ASME Section XI of the 1983 Code through the summer 1983 Addenda could be applied. Consequently, some examinations are limited or not practical due to geometric configuration or accessibility. Generally these limitations exist at fitting to fitting joints, such as elbow to tee, elbow to valve, reducer to valve, and where integrally welded attachments, lugs and supports preclude access to some part of the examination area. These limitations sometimes preclude ultrasonic coupling or access for the required scan length or surface examination.

Examinations

Examinations were conducted to review as much of the examination zones as was practical within geometric, metallurgical and physical limitations. When 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, or an alternate component was considered for examination. In the case of surface examinations where full coverage could not be achieved, another method was considered, or an alternate component was considered for examination. However, where 100% examination was not possible the examination was considered to be a 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 provided by separate correspondence.

Results

Examinations of components and component supports resulted in one item being reported on the basis of procedure reporting criteria. Debris was found in the reactor vessel (11715-WMKS-RC-R-1.1, INT). All debris was removed in accordance with procedure 1-OP-4.26. All examinations of components, piping, and component are acceptable.

Resolution of Previous Outage Summary Report Commitments

The following is a brief summary of open commitments made in previous outage summary reports:

1. Letter Serial No. 97-472 dated September 8, 1997, Attachment 1:

A commitment was made to submit relief requests for the following welds due to failing to achieve the required volume or surface coverage required by ASME Section XI:

- Weld 31 on drawing 11715-WMKS-0103BC - Relief Request NDE-41 was submitted by Letter Serial No. 97-713 dated December 18, 1997, and was denied by NRC Letter dated February 2, 1999 (Letter Serial No. 99-096). The obstruction (i.e. the name plate) was removed during this refueling outage and a complete examination was performed on Weld 31 by RR# 1999-155.
- Weld SW-41 on drawing 11715-WMKS-0109E-2 - Relief Request NDE-39 was submitted by Letter Serial No. 97-713 dated December 18, 1997, and was granted by NRC Letter dated February 2, 1999 (Letter Serial No. 99-096).

- Welds SW-8 and SW-9 on drawing 11715-WMKS-0109E-2 - Relief Request NDE-39 was submitted by Letter Serial No. 97-713 dated December 18, 1997, and was granted by NRC Letter dated February 2, 1999 (Letter Serial No. 99-096).
 - Welds SW-8, SW-31, and SW-38 on drawing 11715-WMKS-0110A - Relief Request NDE-40 was submitted by Letter Serial No. 97-713 dated December 18, 1997, and was granted by NRC Letter dated February 2, 1999 (Letter Serial No. 99-096).
 - Weld 13 on drawing 11715-WMKS-RC-E-2 - Relief Request NDE-38 was submitted by Letter Serial No. 97-713 dated December 18, 1997, and was granted by NRC Letter dated February 2, 1999 (Letter Serial No. 99-096).
 - Weld 1 on drawing 11715-WMKS-RC-R-1.2 - Relief Request NDE-37 was submitted by Letter Serial No. 97-713 dated December 18, 1997, and was granted by NRC Letter dated February 2, 1999 (Letter Serial No. 99-096).
2. Letter Serial No. 96-154, Attachment 1, Item 5 and reiterated in the last outage summary report letter serial No. 97-472 dated September 8, 1997:
- Support A-179 on drawing 11715-WMKS-0111XD - A commitment was made to visually examine Support A-179 during the next period. The support was examined in the first period of the third inspection interval, which started on April 30, 1999 and ends on April 30, 2002.
3. Letter Serial No. 98-542 dated December 22, 1998, Attachment 1:
- Weld 10A on drawing 11715-WMKS-0104E-1 - When the summary report was issued, it was intended that a request for relief accepting the partial examination performed on Weld 10A be submitted. Weld 10A is an ISI Class 2, Category C-F-1 pipe weld. According to Code Case N-408-2, the C-F-1 welds selected for examination shall include 7.5% of the welds. The 7.5% requirement is met without taking credit for the Weld 10A partial examination. Consequently, Section XI credit was removed from Weld 10A, thus eliminating the need for a relief request.
 - Weld 12 on drawing 11715-WMKS-0109E-1 - This weld requires a liquid penetrant (PT) examination and an ultrasonic (UT) examination. The PT examination was performed during the 1998 Fall Refueling Outage and the UT examination was performed during the 2000 Spring Refueling Outage in Interval 2, Period 3.

- Weld 24 on drawing 11715-WMKS-0109F-1 - This weld requires a liquid penetrant (PT) examination and an ultrasonic (UT) examination. The PT examination was performed during the 1998 Fall Refueling Outage and the UT examination was performed during the 2000 Spring Refueling Outage in Interval 2, Period 3.
- Weld 38 on drawing 11715-WMKS-0109F-1 - Relief Request NDE-47 was submitted by Letter Serial No. 99-316 dated June 22, 1999, and was granted by NRC Letter dated February 15, 2000 (Letter Serial No. 00-101).
- Weld 36 on drawing 11715-WMKS-0109G-1 - This weld requires a liquid penetrant (PT) examination and an ultrasonic (UT) examination. The PT examination was performed during the 1998 Fall Refueling Outage and the UT examination was performed during the 2000 Spring Refueling Outage in Interval 2, Period 3.
- Welds 1 and 2 on drawing 11715-WMKS-CH-FL-4B - Relief Request NDE-48 was submitted by Letter Serial No. 99-316 dated June 22, 1999, and was granted by NRC Letter dated February 15, 2000 (Letter Serial No. 00-101).
- Welds N-SE29 IN. and N-SE31 IN. on drawing 11715-WMKS-RC-E-1C.2 - Relief Request NDE-47 was submitted by Letter Serial No. 99-316 dated June 22, 1999, and was granted by NRC Letter dated February 15, 2000 (Letter Serial No. 00-101).
- Welds 1, 3 and 4 on drawing 11715-WMKS-SI-TK-2 - Relief Request NDE-48 was submitted by Letter Serial No. 99-316 dated June 22, 1999, and was granted by NRC Letter dated February 15, 2000 (Letter Serial No. 00-101).

Analytical Evaluation

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

None required or performed.

Evaluation Analyses

Evaluation analyses of examination results (Visual Examinations):

None required or performed.

Statement of Interval Status

Virginia Electric and Power Company has completed 100 percent of the third period ISI-NDE examinations and 100 percent of the second interval ISI-NDE examinations.

Virginia Electric and Power Company has completed 100 percent of the third period system pressure test examinations and 100 percent of the second interval system pressure test examinations.

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

DRAWING NO.	MARK/WELD NO.	LINE NO.	ISI CLASS	CATE-GORY	ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
11715-WMKS-0103AV	R-17	2"-CH-92-1502-Q1	1	F-A	F1.0	VT-3	03/17/2000	
11715-WMKS-0103BC	31	2"-RC-198-1502-Q1	1	B-J	B9.40	PT	03/18/2000	
11715-WMKS-0103N	R-3	6"-SI-131-1502-Q1	1	F-B	F2.0	VT-3	03/17/2000	
11715-WMKS-0103N	R-4	6"-SI-131-1502-Q1	1	F-B	F2.0	VT-3	03/17/2000	
11715-WMKS-0109E-1	12	27 1/2"-RC-3-2501R-Q1	1	B-F	B5.10	UT-AUT	03/23/2000	
11715-WMKS-0109F-1	24	27 1/2"-RC-6-2501R-Q1	1	B-F	B5.10	UT-AUT	03/23/2000	
11715-WMKS-0109G-1	36	27 1/2"-RC-9-2501R-Q1	1	B-F	B5.10	UT-AUT	03/23/2000	P1
11715-WMKS-0110B-1	A-19	4"-RC-15-1502-Q1	1	F-A	F1.0	VT-3	03/17/2000	
11715-WMKS-0110B-2	R-29	4"-RC-14-1502-Q1	1	F-B	F2.0	VT-3	03/17/2000	
11715-WMKS-0111XA	78	3"-CH-3-1502-Q2	2	C-F-1	C5.21	PT/UT	03/15/2000	
11715-WMKS-0111XA	SW-17W	3"-CH-2-1502-Q2	2	C-F-1	C5.21	PT/UT	03/16/2000	
11715-WMKS-0111XA	SW-49	4"-CH-80-1502-Q2	2	C-F-1	C5.21	PT/UT	03/26/2000	
11715-WMKS-RC-E-2	09NIR	1-RC-E-2	1	B-D	B3.120	VT-2	04/07/2000	
11715-WMKS-RC-E-2	9	1-RC-E-2	1	B-D	B3.110	VT-2	04/07/2000	
11715-WMKS-RC-E-2	Instrument	1-RC-E-2	1	B-E	B4.13	VT-2	04/07/2000	
	Nozzles							
11715-WMKS-RC-E-2	Sample	1-RC-E-2	1	B-E	B4.11	VT-2	04/07/2000	
	Nozzles							
11715-WMKS-RC-R-1.1	1	1-RC-R-1	1	B-A	B1.30	UT-AUT	03/24/2000	P1
11715-WMKS-RC-R-1.1	10	1-RC-R-1	1	B-D	B3.90	UT-AUT	03/25/2000	P
11715-WMKS-RC-R-1.1	10NIR	1-RC-R-1	1	B-D	B3.100	UT-AUT	03/24/2000	
11715-WMKS-RC-R-1.1	12	1-RC-R-1	1	B-D	B3.90	UT-AUT	03/23/2000	P
11715-WMKS-RC-R-1.1	12NIR	1-RC-R-1	1	B-D	B3.100	UT-AUT	03/23/2000	
11715-WMKS-RC-R-1.1	14	1-RC-R-1	1	B-D	B3.90	UT-AUT	03/25/2000	P
11715-WMKS-RC-R-1.1	14NIR	1-RC-R-1	1	B-D	B3.100	UT-AUT	03/23/2000	
11715-WMKS-RC-R-1.1	2	1-RC-R-1	1	B-A	B1.11	UT-AUT	03/25/2000	
11715-WMKS-RC-R-1.1	3	1-RC-R-1	1	B-A	B1.11	UT-AUT	03/24/2000	NOTE 1
11715-WMKS-RC-R-1.1	4	1-RC-R-1	1	B-A	B1.11	UT-AUT	03/24/2000	P NOTE 1
11715-WMKS-RC-R-1.1	5	1-RC-R-1	1	B-A	B1.22	UT-AUT	03/24/2000	
11715-WMKS-RC-R-1.1	8	1-RC-R-1	1	B-A	B1.21	UT-AUT	03/23/2000	P
11715-WMKS-RC-R-1.1	CSS	1-RC-R-1	1	B-N-3	B13.70	VT-3	03/23/2000	
11715-WMKS-RC-R-1.1	IAOBR	1-RC-R-1	1	B-N-2	B13.60	VT-3	03/22/2000	
11715-WMKS-RC-R-1.1	INT	1-RC-R-1	1	B-N-1	B13.10	VT-3	03/22/2000	RI(1)
11715-WMKS-RC-R-1.1	PAD-1	1-RC-R-1	1	F-A	F1.0	VT-3	03/24/2000	P
11715-WMKS-RC-R-1.1	PAD-2	1-RC-R-1	1	F-A	F1.0	VT-3	03/24/2000	P
11715-WMKS-RC-R-1.1	PAD-3	1-RC-R-1	1	F-A	F1.0	VT-3	03/24/2000	P
11715-WMKS-RC-R-1.1	PAD-4	1-RC-R-1	1	F-A	F1.0	VT-3	03/24/2000	P
11715-WMKS-RC-R-1.1	PAD-5	1-RC-R-1	1	F-A	F1.0	VT-3	03/24/2000	P
11715-WMKS-RC-R-1.1	PAD-6	1-RC-R-1	1	F-A	F1.0	VT-3	03/24/2000	P
11715-WMKS-RC-R-1.2	CRDM	1-RC-R-1	1	B-E	B4.12	VT-2	04/07/2000	
	Housing							
11715-WMKS-RC-R-1.2	RV Vent	1-RC-R-1	1	B-E	B4.11	VT-2	04/07/2000	
11715-WMKS-RC-R-1.3	TIF-04	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-05	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-06	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-13	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-14	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-15	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-16	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-17	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-18	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-19	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-20	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-21	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-22	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-23	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-24	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-25	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-26	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-27	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	

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

<u>DRAWING NO.</u>	<u>MARK/WELD NO.</u>	<u>LINE NO.</u>	<u>ISI CLASS</u>	<u>CATE-GORY</u>	<u>ITEM NO.</u>	<u>EXAM METHOD</u>	<u>EXAM DATE</u>	<u>REMARKS</u>
11715-WMKS-RC-R-1.3	TIF-28	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-29	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-30	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-31	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-32	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-36	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-37	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-38	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-39	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-40	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	
11715-WMKS-RC-R-1.3	TIF-41	1-RC-R-1	1	B-G-1	B6.40	UT	03/18/2000	

P - Partial examination, reduction in coverage is 10% or greater thus requiring a relief request per Code Case N-460. Relief will be submitted by separate correspondence.

P1 - Partial examination, reduction in coverage is less than 10% as allowed by Code Case N-460. Therefore, relief is not required.

RI(1) - A reportable indication (RI) resulted from debris being located in the bottom of the reactor vessel head area. This debris was removed per station procedure (0-OP-4.26).

NOTE 1 - This examination is an augmented examination required by 10 CFR Part 50.55a(g)(6)(ii)(2) and is not a requirement of ASME Section XI. Therefore, there is no Section XI credit taken for this examination and involvement by the ANII is not required.

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

<u>ZONE NO</u>	<u>DESCRIPTION</u>	<u>SPT NO</u>	<u>ASME CLASS</u>	<u>CATE-GORY</u>	<u>ITEM NO</u>	<u>COMPLETION DATE</u>	<u>REMARKS</u>
11715-SPM-070B-1-1	MS TO 1-MS-NRV-101A, B, and C Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.20	12/18/1998	1-MS-343 to 1-MS-TV-113A and downstream of 1-MS-19
11715-SPM-070B-1-1	MS TO 1-MS-NRV-101A ,B, and C Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.40	12/18/1998	1-MS-343 to 1-MS-TV-113A and downstream of 1-MS-19
11715-SPM-070B-2-1	MS TO 1-MS-NRV-101A, B, and C Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.20	12/18/1998	Downstream of 1-MS-TV-113B
11715-SPM-070B-2-1	MS TO 1-MS-NRV-101A, B, and C Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.40	12/18/1998	Downstream of 1-MS-TV-113B
11715-SPM-070B-2-2	MS TO 1-MS-NRV-101A, B, and C Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.20	12/18/1998	1-MS-352 to 1-MS-TV-113B
11715-SPM-070B-2-2	MS TO 1-MS-NRV-101A, B, and C Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.40	12/18/1998	1-MS-352 to 1-MS-TV-113B
11715-SPM-070B-3-1	MS TO 1-MS-NRV-101A, B, and C Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.20	12/18/1998	1-MS-361 to 1-MS-TV-113C
11715-SPM-070B-3-1	MS TO 1-MS-NRV-101A, B, and C Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.40	12/18/1998	1-MS-361 to 1-MS-TV-113C
11715-SPM-089D-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	Pressurized up to first closed valve, examined up to the second closed valve
11715-SPM-089D-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	Pressurized up to first closed valve, examined up to the second closed valve
11715-SPM-090C-3-4	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-090C-3-4	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-090C-3-5	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	This class 1 section is normally isolated but must be examined following refueling since it is contained within the second isolation valve.
11715-SPM-070B-1-1	FW TO 1-RC-E-1A, MS TO 1-MS-NRV-101A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.20	12/18/1998	1-MS-343 to 1-MS-TV-113A and downstream of 1-MS-19

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11715-SPM-070B-1-1	FW TO 1-RC-E-1A, MS TO 1-MS-NRV-101A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.40	12/18/1998	1-MS-343 to 1-MS-TV-113A and downstream of 1-MS-19
11715-SPM-070B-2-1	FW TO 1-RC-E-1A, MS TO 1-MS-NRV-101A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.20	12/18/1998	
11715-SPM-070B-2-1	FW TO 1-RC-E-1A, MS TO 1-MS-NRV-101A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.40	12/18/1998	
11715-SPM-070B-2-2	FW TO 1-RC-E-1A, MS TO 1-MS-NRV-101A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.20	12/18/1998	1-MS-352 to 1-MS-TV-113B
11715-SPM-070B-2-2	FW TO 1-RC-E-1A, MS TO 1-MS-NRV-101A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.40	12/18/1998	1-MS-352 to 1-MS-TV-113B
11715-SPM-070B-3-1	FW TO 1-RC-E-1A, MS TO 1-MS-NRV-101A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.20	12/18/1998	1-MS-361 to 1-MS-TV-113C
11715-SPM-070B-3-1	FW TO 1-RC-E-1A, MS TO 1-MS-NRV-101A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-MS-001	2	C-H	C7.40	12/18/1998	1-MS-361 to 1-MS-TV-113C
11715-SPM-089D-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	Pressurized up to first closed valve, examined up to the second closed valve
11715-SPM-089D-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	Pressurized up to first closed valve, examined up to the second closed valve
11715-SPM-090C-3-4	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-090C-3-4	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-090C-3-5	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	This class 1 section is normally isolated but must be examined following refueling since it is contained within the second isolation valve.
11715-SPM-090C-3-5	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	This class 1 section is normally isolated but must be examined following refueling since it is contained within the second isolation valve.

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11715-SPM-091A-4-3	1-RS-P-2B Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RS-012	2	C-H	C7.40	1/5/1999	
11715-SPM-091A-4-3	1-RS-P-2B Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RS-012	2	C-H	C7.60	1/5/1999	
11715-SPM-091A-4-3	1-RS-P-2B Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RS-012	2	C-H	C7.80	1/5/1999	
11715-SPM-091A-4-4	1-RS-P-2A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RS-011	2	C-H	C7.40	12/16/1998	
11715-SPM-091A-4-4	1-RS-P-2A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RS-011	2	C-H	C7.50	12/16/1998	
11715-SPM-091A-4-4	1-RS-P-2A Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RS-011	2	C-H	C7.80	12/16/1998	
11715-SPM-093A-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.11	10/7/1998	
11715-SPM-093A-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.31	10/7/1998	
11715-SPM-093A-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-093A-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.61	10/7/1998	
11715-SPM-093A-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-093A-1-2	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	This class 1 section is normally isolated but must be examined following refueling since it is contained within the second isolation valve.
11715-SPM-093A-1-2	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	This class 1 section is normally isolated but must be examined following refueling since it is contained within the second isolation valve.

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11715-SPM-093A-1-3	LOOP FILL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-005	1	B-P	B15.51	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-093A-1-3	LOOP FILL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-005	1	B-P	B15.71	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-093A-2-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.11	10/7/1998	
11715-SPM-093A-2-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.31	10/7/1998	
11715-SPM-093A-2-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-093A-2-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.61	10/7/1998	
11715-SPM-093A-2-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-093A-2-2	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-093A-2-2	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-093A-2-3	LOOP FILL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-005	1	B-P	B15.51	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-093A-2-3	LOOP FILL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-005	1	B-P	B15.71	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-093A-3-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.11	10/7/1998	
11715-SPM-093A-3-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.31	10/7/1998	

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11715-SPM-093A-3-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-093A-3-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.61	10/7/1998	
11715-SPM-093A-3-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-093A-3-2	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-093A-3-2	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-093A-3-3	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-093A-3-3	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-093A-3-4	LOOP FILL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-005	1	B-P	B15.51	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-093A-3-4	LOOP FILL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-005	1	B-P	B15.71	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-093B-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.21	10/7/1998	
11715-SPM-093B-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-093B-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-094A-1-1	RHR SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RH-001	1	B-P	B15.51	10/7/1998	

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11715-SPM-094A-1-1	RHR SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RH-001	1	B-P	B15.71	10/7/1998	
11715-SPM-094A-2-1	RHR SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RH-001	1	B-P	B15.51	10/7/1998	
11715-SPM-094A-2-1	RHR SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RH-001	1	B-P	B15.71	10/7/1998	
11715-SPM-094A-2-2	RHR SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RH-001	1	B-P	B15.51	10/7/1998	
11715-SPM-094A-2-2	RHR SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RH-001	1	B-P	B15.71	10/7/1998	
11715-SPM-095A-3-1	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.20	10/7/1998	1-CH-180 and 1-CH-181 to 1-CH-LCV-1115A in VCT
11715-SPM-095A-3-1	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.40	10/7/1998	1-CH-180 and 1-CH-181 to 1-CH-LCV-1115A in VCT
11715-SPM-095B-1-2	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.40	11/5/1998	Downstream of 1-CH-MOV-1373
11715-SPM-095B-1-2	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.80	11/5/1998	Downstream of 1-CH-MOV-1373
11715-SPM-095B-1-3	EMERGENCY BORATION FLOWPATH Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-001	2	C-H	C7.20	10/7/1998	
11715-SPM-095B-1-3	EMERGENCY BORATION FLOWPATH Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-001	2	C-H	C7.40	10/7/1998	
11715-SPM-095B-1-3	EMERGENCY BORATION FLOWPATH Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-001	2	C-H	C7.80	10/7/1998	
11715-SPM-095B-1-7	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.40	10/7/1998	
11715-SPM-095B-1-7	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.80	10/7/1998	

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11715-SPM-095B-1-8	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.20	10/7/1998	
11715-SPM-095B-1-8	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.40	10/7/1998	
11715-SPM-095B-1-8	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.80	10/7/1998	
11715-SPM-095B-2-4	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.40	11/5/1998	
11715-SPM-095B-2-4	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.60	11/5/1998	
11715-SPM-095B-2-4	CHEMICAL AND VOLUME CONTROL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-009	2	C-H	C7.80	11/5/1998	
11715-SPM-095B-2-9	NORMAL CHARGING HEADER. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-012	2	C-H	C7.40	12/18/1998	Downstream of 1-CH-550
11715-SPM-095B-2-9	NORMAL CHARGING HEADER. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-012	2	C-H	C7.80	12/18/1998	Downstream of 1-CH-550
11715-SPM-095C-1-1	LETDOWN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-002	1	B-P	B15.41	10/7/1998	
11715-SPM-095C-1-1	LETDOWN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-002	1	B-P	B15.51	10/7/1998	
11715-SPM-095C-1-1	LETDOWN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-002	1	B-P	B15.70	10/7/1998	
11715-SPM-095C-1-1	LETDOWN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-002	2	B-P	B15.71	10/7/1998	
11715-SPM-095C-1-2	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	

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11715-SPM-095C-1-2	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-095C-1-4	LOOP FILL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-005	1	B-P	B15.51	10/7/1998	
11715-SPM-095C-1-4	LOOP FILL Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-005	1	B-P	B15.71	10/7/1998	
11715-SPM-095C-1-6	NORMAL CHARGING Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-003	1	B-P	B15.51	10/7/1998	
11715-SPM-095C-1-6	NORMAL CHARGING Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-003	1	B-P	B15.71	10/7/1998	
11715-SPM-095C-2-1	RCP SEAL INJECTION SUPPLY/RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-006	2	C-H	C7.20	11/5/1998	
11715-SPM-095C-2-1	RCP SEAL INJECTION SUPPLY/RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-006	2	C-H	C7.40	11/5/1998	
11715-SPM-095C-2-1	RCP SEAL INJECTION SUPPLY/RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-006	2	C-H	C7.80	11/5/1998	
11715-SPM-095C-2-3	RCP SEAL INJECTION SUPPLY/RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-006	1	B-P	B15.51	10/7/1998	
11715-SPM-095C-2-3	RCP SEAL INJECTION SUPPLY/RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-006	1	B-P	B15.71	10/7/1998	
11715-SPM-095C-2-4	RCP SEAL INJECTION SUPPLY/RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-006	1	B-P	B15.51	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-095C-2-4	RCP SEAL INJECTION SUPPLY/RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-006	1	B-P	B15.71	10/7/1998	Not normally inservice. This section is not part of the test boundary but is part of the examination boundary since it includes the second isolation back from RCS.
11715-SPM-095C-2-6	EXCESS LETDOWN AND SEAL WATER RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-004	1	B-P	B15.51	10/7/1998	

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System Pressure Test Program**

<u>ZONE NO</u>	<u>DESCRIPTION</u>	<u>SPT NO</u>	<u>ASME CLASS</u>	<u>CATE-GORY</u>	<u>ITEM NO</u>	<u>COMPLETION DATE</u>	<u>REMARKS</u>
11715-SPM-095C-2-6	EXCESS LETDOWN AND SEAL WATER RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-004	1	B-P	B15.61	10/7/1998	
11715-SPM-095C-2-6	EXCESS LETDOWN AND SEAL WATER RETURN Code Case N498-1 is used in 3rd Period during Interval Testing.	1-CH-004	1	B-P	B15.71	10/7/1998	
11715-SPM-096A-2-10	SI RETURN TO RWST. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-018	2	C-H	C7.40	10/12/1998	SOME BURIED PIPING
11715-SPM-096A-2-10	SI RETURN TO RWST. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-018	2	C-H	C7.80	10/12/1998	SOME BURIED PIPING
11715-SPM-096A-2-3	RWST to SI, Charging and Spent Fuel Pool. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-021	2	C-H	C7.40	10/12/1998	
11715-SPM-096A-2-3	RWST to SI, Charging and Spent Fuel Pool. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-021	2	C-H	C7.80	10/12/1998	
11715-SPM-096A-2-4	HI HEAD SUCTION FROM LOW HEAD Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-020	2	C-H	C7.40	10/12/1998	
11715-SPM-096A-2-4	HI HEAD SUCTION FROM LOW HEAD Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-020	2	C-H	C7.80	10/12/1998	
11715-SPM-096B-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.11	10/7/1998	
11715-SPM-096B-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-096B-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-096B-1-3	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-096B-1-3	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	

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

<u>ZONE NO</u>	<u>DESCRIPTION</u>	<u>SPT NO</u>	<u>ASME CLASS</u>	<u>CATE-GORY</u>	<u>ITEM NO</u>	<u>COMPLETION DATE</u>	<u>REMARKS</u>
11715-SPM-096B-2-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-096B-2-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-096B-2-3	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-096B-2-3	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-096B-3-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-096B-3-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-096B-3-3	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
11715-SPM-096B-3-3	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
11715-SPM-096B-4-1	RC LOOP INJECTIONS. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-014	1	B-P	B15.51	10/7/1998	
11715-SPM-096B-4-1	RC LOOP INJECTIONS. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-014	1	B-P	B15.71	10/7/1998	
11715-SPM-096B-4-5	RC LOOP INJECTIONS. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-014	1	B-P	B15.51	10/7/1998	
11715-SPM-096B-4-5	RC LOOP INJECTIONS. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-014	1	B-P	B15.71	10/7/1998	

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

<u>ZONE NO</u>	<u>DESCRIPTION</u>	<u>SPT NO</u>	<u>ASME CLASS</u>	<u>CATE-GORY</u>	<u>ITEM NO</u>	<u>COMPLETION DATE</u>	<u>REMARKS</u>
11715-SPM-096B-4-7	RC LOOP INJECTIONS. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-014	1	B-P	B15.51	10/7/1998	
11715-SPM-096B-4-7	RC LOOP INJECTIONS. Code Case N498-1 is used in 3rd Period during Interval Testing.	1-SI-014	1	B-P	B15.71	10/7/1998	
13075-SPM-093C-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
13075-SPM-093C-1-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	
13075-SPM-093C-2-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.51	10/7/1998	
13075-SPM-093C-2-1	REACTOR COOLANT SYSTEM Code Case N498-1 is used in 3rd Period during Interval Testing.	1-RC-001	1	B-P	B15.71	10/7/1998	

Summary of Class 1 Pump Disassembly

Relief Request NDE-5 seeks relief from the requirements of Category B-L-1, Item B12.10 and Category B-L-2, Item B12.20. Category B-L-1, Item B12.10 requires a volumetric examination to be performed on 100% of the pressure retaining welds in at least one pump in each group of pumps performing similar functions in the system (e.g., reactor coolant pumps). Category B-L-2, Item B12.20 requires a visual (VT-3) examination of one pump casing in each group of pumps performing similar functions.

At North Anna Power Station, Categories B-L-1 and B-L-2 apply only to the reactor coolant pumps. Relief Request NDE-5 proposes that a visual examination of the external surfaces of one pump's casing weld and a surface examination to the extent practicable of the external casing weld of one pump be performed to the extent and frequency of Category B-L-2 in lieu of the required Code examinations.

The NRC granted Relief Request NDE-5 by letter dated April 7, 1992, provided that if the pump is not disassembled, this fact should be reported by the licensee in the ISI Summary report at the end of the interval.

The pump chosen for the surface and visual examinations was 1-RC-P-1C. Pump 1-RC-P-1C was not subject to disassembly during the remainder of the interval, nor were the remaining two reactor coolant pumps 1-RC-P-1A and 1-RC-P-1B.

Summary of Class 1 Valve Disassembly

Relief Request NDE-6 seeks relief from the requirements of Category B-M-2, Item B12.50. Category B-M-2, Item B12.50 requires a visual examination (VT-3) be performed on the internal pressure boundary surfaces of one valve in each group of valves that are the same construction design and manufacturing method, and that perform similar functions in the system.

Relief Request NDE-6 proposes that the visual examination of the internal pressure boundary surfaces will be performed on one valve in each group of valves that are of the same size, construction design and manufacturing method, and that perform similar functions in the system, to the extent practical when a valve is disassembled for maintenance purposes.

The NRC granted Relief Request NDE-6 by letter dated April 7, 1992, provided that if the valve has not been disassembled, this fact should be reported by the licensee in the ISI Summary report at the end of the interval.

The table given below identifies the Class 1 valves groups in Category B-M-2 that did not have a valve in their group disassembled during the interval.

<u>GROUP</u>	<u>MARK NO.</u>	<u>DRAWING NO.</u>	<u>LINE NO.</u>
1	SI-195-BODY	11715-WMKS-0103K	6'-SI-131-1502-Q1
	SI-197-BODY	11715-WMKS-0103K	6'-SI-133-1502-Q1
	SI-199-BODY	11715-WMKS-0103K	6'-SI-132-1502-Q1
	SI-209-BODY	11715-WMKS-0103AJ	6'-SI-21-1502-Q1
	SI-211-BODY	11715-WMKS-0103AF	6'-SI-19-1502-Q1
	SI-213-BODY	11715-WMKS-0103AD	6'-SI-16-1502-Q1
2	SI-125-BODY	11715-WMKS-0113A-4	12'-SI-67-1502-Q1
	SI-127-BODY	11715-WMKS-0113A-4	12'-RC-22-1502-Q1
	SI-142-BODY	11715-WMKS-0113B	12'-SI-68-1502-Q1
	SI-144-BODY	11715-WMKS-0113B	12'-SI-68-1502-Q1
	SI-159-BODY	11715-WMKS-0113C-3	12'-SI-69-1502-Q1
	SI-161-BODY	11715-WMKS-0113C-3	12'-SI-69-1502-Q1
3	MOV-1585-BODY	11715-WMKS-0109A	8'-RC-11-2501R-Q1
	MOV-1586 BODY	11715-WMKS-0109B	8'-RC-12-2501R-Q1
	MOV-1587-BODY	11715-WMKS-0109C	8'-RC-13-2501R-Q1
4	MOV-1590-BODY	11715-WMKS-RC-MOV1590	1-RC-MOV-1590
	MOV-1591-BODY	11715-WMKS-RC-MOV1591	1-RC-MOV-1591
	MOV-1592-BODY	11715-WMKS-RC-MOV1592	1-RC-MOV-1592
	MOV-1593-BODY	11715-WMKS-RC-MOV1593	1-RC-MOV-1593
	MOV-1594-BODY	11715-WMKS-RC-MOV1594	1-RC-MOV-1594
MOV-1595-BODY	11715-WMKS-RC-MOV1595	1-RC-MOV-1595	
5	MOV-1700-BODY	11715-WMKS-0113A-1	14'-RH-1-1502-Q1
	MOV-1701-BODY	11715-WMKS-0113A-1	14'-RH-1-1502-Q1

Attachment 2

Inservice Inspection Summary Report

North Anna Power Station Unit 1

P.O. Box 402

Mineral, Virginia 23117

2000 Refueling Outage Owner's Report of Inservice Inspections for Interval 2

Commercial Service Date 6-6-78

**Virginia Electric and Power Company
5000 Dominion Boulevard
Glen Allen, Virginia 23060**

Repair and Replacements

Repair and replacements completed during this refueling outage were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1983 Edition through summer 1983 Addenda.

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

RR# 97-442, Replaced bonnet and bolting that had been previously injected with leak sealant on valve 1-QS-37, Class 2. This replacement was performed under work order 370928-01, and completed on 3-25-2000.

RR# 98-217, Rev. 2, Replaced bonnet and associated bolting that had been previously injected with leak sealant on valve 1-MS-TV-113C, Class 2. This replacement was performed under work order 375058-01, and completed on 4-10-2000.

RR# 98-228, Replaced snubber 1-RC-HSS-001C, Class 1, with improved design. The pin was damaged during removal. This replacement was performed under work order 391371-01, and completed on 4-2-2000.

RR# 98-231, Replaced snubber 1-RC-HSS-003C, Class 1, with improved design. This replacement was performed under work order 391374-01, and completed on 4-2-2000.

RR# 98-279, Replaced valve disc on 1-CV-TV-150B, Class 2, after failed Type C test. This replacement was performed under work order 397541-01, and completed on 12-17-1998.

RR# 98-308, Replaced pilot plug and primary plug on valve 1-MS-PCV-101A, Class 2, due to leakby. This replacement was performed under work order 398349-01, and completed on 4-10-2000.

RR# 98-319, Rev. 1, Replaced valve 1-RC-70 and associated piping 2"-RC-199-1502-Q1, Class 1. Valve stem separated from the disc. As a result of the replacement, welds 25 to 29 received preservice examinations and will be added to drawing 11715-WMKS-0103BD. This replacement was performed under work order 400205-01, and completed on 5-1-2000.

RR# 98-321, Replaced studs and nuts on pump 1-CH-P-2B, Class 2, due to flange leak. This replacement was performed under work order 400451-01, and completed on 6-1-1999.

RR# 98-331, Replaced spring can on support 1-QS-SH-SPRH-SH-43.115, Class 2, due to corrosion. This replacement was performed under work order 401300-01, and completed on 7-29-1999.

RR# 99-017, Replaced studs on valve 1-QS-MOV-100B, Class 2, due to insufficient thread engagement. This replacement was performed under work order 406182-01, and completed on 3-18-1999.

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

1. Owner Virginia Electric & Power Company Date March 25, 2000
Name _____

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

2. Plant North Anna Power Station Unit: 1
Name _____

P.O. Box 402, Mineral, VA 23117 R/R 97-442 Work Order 370928-01
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 Quench Spray Class 2

5. (a) Applicable Construction Code Draft Pump & Valve Code 1968 Edition, Addenda, _____ Code Case _____
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 with Summer 83 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)
1/2" Stud	Mackson	Heat # 72696	N/A	1-QS-37	1997	Replacement	No
1/2 Nut	Mackson	Heat # 34146PG	N/A	1-QS-37	1999	Replacement	No
6" Bonnet	Crane Nuclear	C7495	N/A	1-QS-37	1998	Replacement	No

7. Description of Work Replaced bonnet and bolting. Bonnet was previously injected with leak sealant.

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 _____
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 Pat J. Nunez ISI Engineer Date March 25 ~~XX~~ 2000
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 12/30/97 to 3/28/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Anca Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/28 ~~XX~~ 2000

FORM 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 April 6, 2000
Name
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1
Address

2. Plant North Anna Power Station Unit: 1
Name
P.O. Box 402, Mineral, VA 23117 R/R 1998-217 Rev. 2 Work Order 375058-01
Address Repair Organization P.O. No. Job No. , etc.

3. Work Performed By Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd., Glen Allen, VA 23060 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Main Steam, Class 2

5. (a) Applicable Construction Code ANSI B16.5 1968 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Edition with Summer 83 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)
Bonnet	Fisher Controls International	06513783	N/A	1-MS-TV-113C	1999	Replaced	No
5/8 Nuts	Mackson, Inc.	Ht. # 31937OF	N/A	1-MS-TV-113C	1999	Replacement	No
5/8" Studs	Mackson, Inc.	Ht. # 38286	N/A	1-MS-TV-113C	1998	Replacement	No

7. Description of Work Replaced bonnet and associated bolting that had been previously injected with leak sealant

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 _____
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 Pats J. Naught IST Engineer Date April 16 ~~X19~~ 2000
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. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 8/28/98 to 4/15/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/15 ~~X19~~ 2000

FORM 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 April 2, 2000
Name

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

2. Plant North Anna Power Station Unit: 1
Name

P.O. Box 402, Mineral, VA 23117 R/R 98-228 Work Order 391371-01
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 Reactor Coolant, Class 1

5. (a) Applicable Construction Code ASME Section III 1983 Edition, 1985 Addenda, _____ Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Edition with Summer 1983 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)
1900 Kip Seismic Restraint	Lisega Inc.	97 71281-2/12 UTC 5999009502	N/A	1-RC-HSS-001C	1997	Replacement	No

7. Description of Work Replaced snubber with improved design. Pin damaged during removal.

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 _____
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 Pat Waight ISZ Engineer Date April 2, 2000
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 9/15/98 to 4/2/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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. Hice Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/2 2000

FORM 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 April 2, 2000
Name

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

2. Plant North Anna Power Station Unit: 1
Name

P.O. Box 402, Mineral, VA 23117 R/R 98-231 Work Order 391374-01
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 Reactor Coolant, Class 1

5. (a) Applicable Construction Code ASME Section III 1983 Edition, 1985 Addenda, _____ Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Edition with Summer 1983 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)
1900 Kip Seismic Restraint	Lisega Inc.	97 71281-2/9 UTC 5999009509	N/A	1-RC-HSS-003C	1997	Replacement	No

7. Description of Work Replaced snubber with improved design.

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 _____

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 Patricia Naught ISP Engineer Date April 2, XX 2000
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 2/15/98 to 4/2/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/2 XX 2000

FORM 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 December 17, 1998
Name

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

2. Plant North Anna Power Station Unit: 1
Name

P.O. Box 402, Mineral, VA 23117 R/R 98-279 Work Order 397541-01
Address Repair Organization P.O. No. Job No. , etc.

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

5000 Dominion Blvd., Glen Allen, VA 23060 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Containment Vacuum

5. (a) Applicable Construction Code Draft Pump & Valve Code 1968 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Edition with Summer 1983 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)
2" Valve Disc	Fisher	N/A	N/A	1-CV-TV-150B	1994	Replacement	No

7. Description of Work Replaced valve disc after failed Type C test.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 45 psi Test Temp. 76 °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 Section XI Class 2
Applicable Manufacturer's Data Reports to be attached
Deviation Report DR-N-98-3803 for repair and replacement program not
included in the work order and not reported in the Unit 1 1998 NIS-1 report.
This repair and replacement program will be reported in the next Unit 1 NIS-1 report.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in 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 Pat J. Navroth ISI Engineer Date December 17, 19 98
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 9/25/98 to 12/14/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Hara Commissions VA 424 ANI
Inspector's Signature N.B. 12/14/98
National Board, State, Province, and Endorsements

Date Dec 14, 19 98

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

1. Owner Virginia Electric & Power Company Date April 10, 2000
Name
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1
Address
2. Plant North Anna Power Station Unit: 1
Name
P.O. Box 402, Mineral, VA 23117 R/R 98-308 Work Order 398349-01
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 Main Steam, Class 2
5. (a) Applicable Construction Code ANSI B16.5 1968 Edition, Addenda, Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 with S83 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)
Pilot Plug	Fisher	201126500	N/A	1-MS-PCV-101A	1997	Replacement	No
Primary Plug	Fisher	20126810	N/A	1-MS-PCV-101A	1995	Replacement	No

7. Description of Work Replaced pilot plug and primary plug due to leaky.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 840 psi Test Temp. 527 °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 _____
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 Pete J. Nawroth _____ ISI Engineer Date April 10 _____ ~~X19~~ 2000 _____
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 10/8/98 to 11/16/98, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Hase _____ Commissions VA424-R _____
Inspector's Signature National Board, State, Province, and Endorsements

Date 4/17 _____ ~~X19~~ 2000 _____

FORM 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 April 24, 2000
Name _____
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1
Address _____

2. Plant North Anna Power Station Unit: 1
Name _____
P.O. Box 402, Mineral, VA 23117 R/R 98-319 Rev. 1 Work Order 400205-01
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 Reactor Coolant, Class 1
ANSI B16.5 1968, MSS-SP-61 1968, MSS-SP-66 1968 (valve)

5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Edition with Summer 1983 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)
2" Stainless Steel Pipe	Energy & Process Corp.	Heat # 446528	N/A	2"-RC-199-1502-Q1	1999	Replacement	No
2" Globe Valve	Yarway Corporation	C3568	N/A	1-RC-70	1998	Replacement	Yes
2" Stainless Steel Elbow	Dubose National Energy Services	Heat # RW	N/A	2"-RC-199-1502-Q1	1999	Replacement	No

7. Description of Work Replaced valve and associated piping. Valve stem separated from the disc.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 2253 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 Code Case N-416-1 was invoked for this replacement.

Applicable Manufacturer's Data Reports to be attached

ASME Code Nameplate (NPT pipe) was removed and destroyed.

Manufacturer's Data report for replacement valve is attached.

NDE report numbers 3726 (welds 25 & 29), 3715 (weld 26), and 3991 (welds 27 & 28) were performed for ASME XI preservice requirements. Reports reference the construction drawing (11715-RC-6005A Rev 7) referenced on the weld data sheets. Weld numbers 25 - 29 will be included in the next revision of ISI drawing 11715-WMKS-0103BD.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in 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 Peter Nault ISI Engineer Date May 1 ~~19~~ 2000
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 11/15/98 to 5/1/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 VA424-R NB 9531 A, N, I
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/1/ ~~19~~ 2000

FORM NPV-1 (back)

- 8. Remarks VALVES ARE BONNETLESS DESIGN. BACKSEAT BUSHING LISTED IN LIEU OF BONNET.
- 9. Design conditions psi °F or valve pressure class 1700 (1)
(pressure) (temperature)
- 10. Cold working pressure 4080 psi at 100°F
- 11. Hydrostatic test 6125 psi. Disk differential test pressure 4500 psi

CERTIFICATION OF DESIGN

Design Specification certified by George J. Paptzun P.E. State PA Reg. no. PE-034809 E
 Design Report certified by Murray W. Randall P.E. State MA Reg. no. 00026

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N2449 Expires 11/14/98
 Date 9/24/98 Name Yarway Corporation Signed J.W. Pezka
(N Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by ARKWRIGHT MUTUAL INS. CO. of NORWOOD, MA have inspected the pump, or valve, described in this Data Report on 09/24, 19 98, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 a loss of any kind arising from or connected with this inspection.

Date 09/24/98 Signed [Signature] Commissions NB9541 'N', PA 2389
(Authorized Inspector) [Nat'l Bd. (incl. endorsements) state or prov. and no.]

(1) For manually operated valves only.



FORM 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 June 1, 1999
Name
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1
Address

2. Plant North Anna Power Station Unit: 1
Name
P.O. Box 402, Mineral, VA 23117 R/R 98-321 Work Order 400451-01
Address Repair Organization P.O. No. Job No. , etc.

3. Work Performed By Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd., Glen Allen, VA 23060 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System Chemical and Volume Control System, Class 2
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Edition with Summer 1983 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)
5/8" Nuts	Mackson, Inc.	Ht. # 05662GJ	N/A	1-CH-P-2B	1998	Replacement	No
5/8" Threaded Rod	Mackson, Inc.	Ht. # 680P331	N/A	1-CH-P-2B	1998	Replacement	No

7. Description of Work Replaced studs and nuts due to flange leak.

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

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 Patell Naughton ISI Engineer Date June 1, 1999
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 11/19/98 to 6/1/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date June 1 1999

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

1. Owner Virginia Electric & Power Company Date July 29, 1999
Name

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

2. Plant North Anna Power Station Unit: 1
Name

P.O. Box 402, Mineral, VA 23117 R/R 98-331 Work Order 401300-01
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 Quench Spray, Class 2

5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Edition with Summer 1983 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)
Spring Can	Grinnell Corporation	N/A	N/A	1-QS-SH-SPRH-SH-43.115	1999	Replacement	No

7. Description of Work Replaced spring can due to corrosion.

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 _____
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 Paul J. Doughty ISI Engineer Date July 29, 1999
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 12/15/98 to 7/29/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M. Anca Commissions VA 424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 7/29 1999

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

1. Owner Virginia Electric & Power Company Date March 18, 1999
Name _____
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1
Address _____

2. Plant North Anna Power Station Unit: 1
Name _____
P.O. Box 402, Mineral, VA 23117 R/R 99-017 Work Order 406182-01
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 Quench Spray Class 2

5. (a) Applicable Construction Code ANSI B16.5 1968 Edition, _____ Addenda, _____ Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 Edition with Summer 1983 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)
5/8" x 4" Studs	Mackson, Inc.	Ht. # S20050	N/A	1-QS-MOV-100B	1998	Replacement	No
5/8" x 4 1/2" Studs	Mackson, Inc.	Ht. # S20050	N/A	1-QS-MOV-100B	1998	Replacement	No
5/8" Nuts	Mackson, Inc.	Ht. # 05662GJ	N/A	1-QS-MOV-100B	1998	Replacement	No

7. Description of Work Replaced studs due to insufficient thread engagement

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 _____

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 Peter J. Naughton ISI Engineer Date March 18, 1999
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 3/10/99 to 3/22/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date March 22 1999