Attachment 1

Inservice Inspection Summary Report

North Anna Power Station Unit 2

P.O. Box 402
Mineral, Virginia 23117

1999 Refueling Outage Owner's Report of Inservice Inspections

Commercial Service Date 12-14-80

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

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 2 4. Owner Certificate of Authorization (if required) NA

5. Commercial Service Date 12/14/80 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.
Steam Generator 2-RC-E-1A	Westinghouse	1281	VA-61431	6895
Steam Generator 2-RC-E-1B	Westinghouse	1282	VA 61432	6896
Steam Generator 2-RC-E-1C	Westinghouse	1283	VA 61433	6897
Pressurizer 2-RC-E-2	Westinghouse	1291	VA 61434	68-104
RC Pump 2-RC-P-1A	Westinghouse	819	NA	NA
Reactor Vessel 2-RC-R-1	RDM Rotterdam	30662	VA-61445	N/A
Heat Exchanger 2-RH-E-1A	Joseph Oat & Sons	1832-5	VA 61417	372
Boron Injection Tank 2-SI-TK-2	Struther Wells Corp.	2-70-07-30717-14	VA 59700	13351
Class 1 Piping Nonserialized	Stone & Webster Eng. Corp.	NA	NA	NA
Class 2 Piping Nonserialized	Stone & Webster Eng. Corp.	NA	NA	NA
Class 1 Component Supports	Stone & Webster Eng. Corp.	NA	NA	NA
Class 2 Component Supports	Stone & Webster Eng. Corp.	NA	NA	NA

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

FORM NIS-1 (Back)

8. Examination Dates 5/3/98 to 10/08/99

9. Inspection Period Identification Third Period (12-14-97 - 12-14-00)

10. Inspection Interval Identification Second Interval (12-14-90 - 12-14-00)

11. Applicable Edition of Section XI 1986 Addenda None

12. Date/Revision of Inspection Plan November 19, 1998, Revision 11, Interim Change 02 of November 24, 1999

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, Page 7
See Attachment 1, Abstract of System Pressure Tests, Page 11

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 12/15 19 99 Signed Virginia Elect. & Power Co. By _____
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 5/3/98 to 10/8/99, 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. Hess Commissions VA 424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec. 15 19 99

Form NIS-1 (Supplemental Sheet) 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
2. Plant: North Anna Power Station, P. O. Box 402, Mineral, Virginia 23117
3. Plant Unit: 2 4. Owner Certificate of Authorization (if required): NA
5. Commercial Service Date: 12-14-80 6. National Board Number for Unit: NA

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Class 2 Piping, Dwg. 0103AA Spool Piece (SP) SI-216-2, Weld SW-26	Southwest Fabricating	2555	NA	NA
Class 1 Piping, Dwg. 0103AD SP SI-216-9, Weld SW-47 SP SI-208-2R, Weld SW-51	Southwest Fabricating Southwest Fabricating	2557 2375	NA NA	NA NA
Class 1 Piping, Dwg. 0103AG SP SI-226-4, Weld SW-62	Southwest Fabricating	4699	NA	NA
Class 1 Piping, Dwg. 0103AH SP SI-227-2, Weld SW-65	Southwest Fabricating	2700	NA	NA
Class 1 Piping, Dwg. 0103AY SP RC-203-1, Weld SW-32	Southwest Fabricating	2846	NA	NA
Class 1 Piping, Dwg. 0103AZ SP RC-203-2, Weld 3	Southwest Fabricating	2847	NA	NA
Class 1 Piping, Dwg. 0103BE SP SI-219-4, Weld 16A	Southwest Fabricating	2827	NA	NA
Class 1 Piping, Dwg. 0103BE SP SI-217-11, Weld SW-74	Southwest Fabricating	2644	NA	NA
Class 1 Piping, Dwg. 0103BH SP CH-205-14, Welds 24 and SW-39	Southwest Fabricating	2720	NA	NA
Class 1 Piping, Dwg. 0103BN SP SI-215-6, Welds SW-51 and SW-52	Southwest Fabricating	2551	NA	NA
Class 1 Piping, Dwg. 0103BP SP SI-216-5, Weld SW-41	Southwest Fabricating	2833	NA	NA
Class 1 Piping, Dwg. 0103CB SP RC-203-14, Weld SW-57 SP RC-203-12, Weld SW-69	Southwest Fabricating Southwest Fabricating	2860 2858	NA NA	NA NA
Class 1 Piping, Dwg. 0109A SP VGB-LOOP-1-BPI, Weld SW-11	Southwest Fabricating	311	NA	NA
Class 1 Piping, Dwg. 0109D SP VGB-SURGE-1, Weld 2	Southwest Fabricating	310	NA	NA
Class 1 Piping, Dwg. 0110A-1 SP RC-201-12, Weld SW-12	Southwest Fabricating	2387	NA	NA
Class 1 Piping, Dwg. 0110A-2 SP RC-201-8, Weld SW-42	Southwest Fabricating	2385	NA	NA
Class 1 Piping, Dwg. 0110B SP RC-202-3, Weld SW-65	Southwest Fabricating	2391	NA	NA
Class 1 Piping, Dwg. 0111AD-1 SP RC-205-14, Weld 3	Southwest Fabricating	2991	NA	NA
Class 1 Piping, Dwg. 0111AD-2 SP RC-206-14, Weld 26 SP RC-206-16, Weld SW-41	Southwest Fabricating Southwest Fabricating	2974 2976	NA	NA
Class 1 Piping, Dwg. 0113A-1 SP RH-204-2, Weld SW-32	Southwest Fabricating	4532	NA	NA
Class 1 Piping, Dwg. 0113B SP SI-205-6, Weld 1	Southwest Fabricating	2791	NA	NA

Examination Summary

Virginia Electric and Power Company
North Anna Power Station

Unit 2

1999 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 2 from May 3, 1998 through October 8, 1999. The examinations were conducted to meet the requirements of ASME Section XI, 1986 Edition, of the ASME Boiler and Pressure Vessel Code.

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

Inspections, witnessing and surveillance of the examinations and related activities were conducted by personnel from the Hartford Steam Boiler Inspection and Insurance Company, One State Street, Hartford, Connecticut 06102 (Mr. Mark Grace and Mr. Robert Smith), 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 1986 Code could be applied. Consequently, some examinations are limited or not practical due to geometric configuration or accessibility. Generally these limitations exist at fitting to fitting joints, such as elbow to tee, elbow to valve, reducer to valve, and where integrally welded attachments, lugs and supports preclude access to some part of the examination area. These limitations sometimes preclude ultrasonic coupling or access for the required scan length or surface examination.

Examinations

Examinations were conducted to review as much of the examination zones as was practical within geometric, metallurgical and physical limitations. When 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. In the case of surface examinations where full coverage could not be achieved, 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 piping resulted in no items being reported on the basis of procedure reporting criteria. Examinations of component supports resulted in no items being reported on the basis of procedure reporting criteria.

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. 96-629, Attachment 1, page 5:

   A commitment was made to submit a relief request, if necessary, after examining the remainder of weld 1 on 2-SI-TK-2. A portion of the weld is scheduled for examination each period. Full coverage of the required volume could not be achieved for the examination performed during the second period. The remainder of the weld was examined this outage. A relief request will be submitted.

2. Letter Serial No. 98-410, Attachment 1, page 5:

   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 32 shown on drawing 12050-WMKS-0109G-1. Relief request NDE-40 was submitted to the NRC by Letter Serial No. 98-513 dated September 18, 1998.

   Weld 33 shown on drawing 12050-WMKS-0109G-1. Relief request NDE-40 was submitted to the NRC by Letter Serial No. 98-513 dated September 18, 1998.

   Weld SW-35 shown on drawing 12050-WMKS-0109G-2. Relief request NDE-41 was submitted to the NRC by Letter Serial No. 98-513 dated September 18, 1998.

   Weld SW-36 shown on drawing 12050-WMKS-0109G-2. Relief request NDE-41 was submitted to the NRC by Letter Serial No. 98-513 dated September 18, 1998.

Weld SW-47 shown on drawing 12050-WMKS-0109G-2. Relief request NDE-41 was submitted to the NRC by Letter Serial No. 98-513 dated September 18, 1998.

Weld SW-48 shown on drawing 12050-WMKS-0109G-2. Relief request NDE-41 was submitted to the NRC by Letter Serial No. 98-513 dated September 18, 1998.

Weld SW-49 shown on drawing 12050-WMKS-0109G-2. Relief request NDE-41 was submitted to the NRC by Letter Serial No. 98-513 dated September 18, 1998.

3. Letter Serial No. 98-410, Attachment 1, page 7:

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

   Weld WS-01 shown on drawing 12050-WMKS-CH-P-1C. Relief request NDE-42 was submitted to the NRC by Letter Serial No. 98-513 dated September 18, 1998.

   Weld WS-04 shown on drawing 12050-WMKS-CH-P-1C. Relief request NDE-42 was submitted to the NRC by Letter Serial No. 98-513 dated September 18, 1998.

4. Letter Serial No. 98-410, Attachment 2, RR# 98-040:

   A commitment was made to verify the nameplate of snubber 2-RC-HSS-011B during the next outage. The nameplate was verified. The information is not in agreement with certification documentation provided by the supplier. The supplier corrected this discrepancy and provided a certificate of compliance.

5. Letter Serial No. 98-410, Attachment 2, RR# 98-056:

   A commitment was made to verify the nameplate of snubber 2-RC-HSS-010B during the next outage. The nameplate was verified. The information is not in agreement with certification documentation provided by the supplier. The supplier corrected this discrepancy and provided a certificate of compliance.

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 87 percent of the third period system pressure test examinations and 95 percent of the interval system pressure test examinations.

Virginia Electric and Power Company has completed 75 percent of the third period ISI-NDE examinations and 90 percent of the interval ISI-NDE 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
12050-WMKS-0101A-1	LS-96(50)	32"-SHP-401-601-Q2	2	C-F-2	C5.52	MT/UT	9/28/1999	
12050-WMKS-0101A-1	SW-8W	32"-SHP-422-601-Q2	2	C-F-2	C5.81	MT	10/2/1999	
12050-WMKS-0101A-2	LS-115W(SW-82)	32"-SHP-423-601-Q2	2	C-F-2	C5.52	MT/UT	10/6/1999	
12050-WMKS-0101A-2	LS-115W(SW-88)	32"-SHP-423-601-Q2	2	C-F-2	C5.52	MT/UT	10/6/1999	
12050-WMKS-0101A-2	LS-95(1)	32"-SHP-402-601-Q2	2	C-F-2	C5.52	MT/UT	9/28/1999	
12050-WMKS-0101C	27	32"-SHP-402-601-Q2	2	C-F-2	C5.51	MT/UT	9/23/1999	
12050-WMKS-0101GC	6	6"-SHP-439-601-Q2	2	C-F-2	C5.51	MT/UT	10/2/1999	
12050-WMKS-0102B	42	16"-WFPD-423-601C-Q2	2	C-F-2	C5.51	MT/UT	9/24/1999	
12050-WMKS-0102C	60	16"-WFPD-422-601C-Q2	2	C-F-2	C5.51	MT/UT	9/21/1999	
12050-WMKS-0103AA	SW-26	6"-SI-419-1502-Q1	2	C-F-1	C5.11	PT/UT	9/28/1999	
12050-WMKS-0103AD	2-SI-113-BOLTING	6"-SI-419-1502-Q1	1	B-G-2	B7.70	VT-1	9/13/1999	
12050-WMKS-0103AD	21B	2"-SI-459-1502-Q1	1	B-J	B9.40	PT	9/29/1999	
12050-WMKS-0103AD	SW-47	6"-SI-419-1502-Q1	1	B-J	B9.32	PT	9/25/1999	
12050-WMKS-0103AD	SW-51	2"-SI-459-1502-Q1	1	B-J	B9.40	PT	9/29/1999	
12050-WMKS-0103AG	2-SI-124-BOLTING	6"-SI-421-1502-Q1	1	B-G-2	B7.70	VT-1	9/13/1999	
12050-WMKS-0103AG	2-SI-R-1	2"-SI-461-1502-Q1	1	F-A	F1.0	VT-3	9/26/1999	
12050-WMKS-0103AG	3A	6"-RC-416-1502-Q1	1	B-J	B9.11	PT/UT	9/25/1999	
12050-WMKS-0103AG	SW-62	6"-SI-421-1502-Q1	1	B-J	B9.32	PT	9/20/1999	
12050-WMKS-0103AH	2-SI-R-1	6"-SI-416-1502-Q1	2	F-A	F1.0	VT-3	9/26/1999	
12050-WMKS-0103AH	36	2"-SI-463-1502-Q1	1	B-J	B9.40	PT	9/27/1999	
12050-WMKS-0103AH	38	2"-SI-463-1502-Q1	1	B-J	B9.40	PT	9/27/1999	
12050-WMKS-0103AH	SW-65	2"-SI-463-1502-Q1	1	B-J	B9.40	PT	9/27/1999	
12050-WMKS-0103AR	FB-FLG-2	2"-CH-494-1502-Q1	1	B-G-2	B7.50	VT-1	9/28/1999	
12050-WMKS-0103AT	SW-82	1 1/2"-CH-798-1502-Q1	1	B-J	B9.40	PT	9/29/1999	
12050-WMKS-0103AY	24	3"-RC-619-1502-Q1	1	B-J	B9.21	PT	9/25/1999	
12050-WMKS-0103AY	SW-32	2"-RC-620-1502-Q1	1	B-J	B9.21	PT	9/27/1999	
12050-WMKS-0103AZ	19A	2"-RC-620-1502-Q1	1	B-J	B9.21	PT	9/18/1999	
12050-WMKS-0103AZ	3	2"-RC-620-1502-Q1	1	B-J	B9.21	PT	9/18/1999	
12050-WMKS-0103BA	22	2"-RC-618-1502-Q1	1	B-J	B9.21	PT	9/25/1999	
12050-WMKS-0103BC	28A	2"-SI-455-1502-Q1	2	C-F-1	C5.30	PT	9/26/1999	
12050-WMKS-0103BE	1	6"-RC-417-1502-Q1	1	B-J	B9.11	PT/UT	9/20/1999	
12050-WMKS-0103BE	16A	2"-SI-451-1502-Q1	2	C-F-1	C5.30	PT	9/24/1999	
12050-WMKS-0103BE	2	6"-RC-417-1502-Q1	1	B-J	B9.11	PT/UT	9/20/1999	
12050-WMKS-0103BE	2-SI-92-BOLTING	6"-SI-531-1502-Q1	1	B-G-2	B7.70	VT-1	9/13/1999	
12050-WMKS-0103BE	SW-74	6"-SI-531-1502-Q1	1	B-J	B9.32	PT	9/20/1999	
12050-WMKS-0103BH	24	2"-CH-409-1502-Q1	1	B-J	B9.40	PT	9/14/1999	
12050-WMKS-0103BH	SW-39	2"-CH-409-1502-Q1	1	B-J	B9.40	PT	9/14/1999	
12050-WMKS-0103BK	1	2"-RC-598-1502-Q1	1	B-J	B9.40	PT	9/18/1999	
12050-WMKS-0103BN	SW-51	6"-SI-532-1502-Q1	1	B-J	B9.11	PT/UT	9/26/1999	
12050-WMKS-0103BN	SW-52	6"-SI-532-1502-Q1	1	B-J	B9.11	PT/UT	9/26/1999	
12050-WMKS-0103BP	SW-41	6"-SI-533-1502-Q1	1	B-J	B9.11	PT/UT	9/18/1999	
12050-WMKS-0103CB	7	3"-RC-615-1502-Q1	1	B-J	B9.21	PT	9/19/1999	
12050-WMKS-0103CB	SW-57	2"-RC-453-1502-Q1	1	B-J	B9.21	PT	9/20/1999	
12050-WMKS-0103CB	SW-69	3"-RC-615-1502-Q1	1	B-J	B9.21	PT	9/19/1999	
12050-WMKS-0104C-2	2-SI-R-56	10"-SI-629-153A-Q2	2	F-A	F1.0	VT-3	10/5/1999	
12050-WMKS-0104C-2	2-SI-R-57	10"-SI-629-153A-Q2	2	F-A	F1.0	VT-3	10/5/1999	
12050-WMKS-0104DA	21	12"-RS-408-153A-Q2	2	C-F-1	C5.41	PT	10/6/1999	
12050-WMKS-0107B	14	16"-SI-407-153A-Q3	2	C-F-1	C5.11	PT/UT	9/30/1999	
12050-WMKS-0107B	2	16"-SI-407-153A-Q3	2	C-F-1	C5.11	PT/UT	10/1/1999	
12050-WMKS-0107B	LS-69(14)	16"-SI-407-153A-Q3	2	C-F-1	C5.12	PT/UT	10/1/1999	
12050-WMKS-0107B	LS-69(2)	16"-SI-407-153A-Q3	2	C-F-1	C5.12	PT/UT	10/1/1999	
12050-WMKS-0109A	1	8"-RC-411-2501R-Q1	1	B-J	B9.11	PT/UT	9/21/1999	
12050-WMKS-0109A	SW-11	8"-RC-411-2501R-Q1	1	B-J	B9.32	PT	9/21/1999	
12050-WMKS-0109B	SW-14	8"-RC-412-2501R	1	B-J	B9.11	PT/UT	9/20/1999	
12050-WMKS-0109D	2	14"-RC-410-2501R-Q1	1	B-J	B9.11	PT/UT	9/20/1999	
12050-WMKS-0109E-1	8	31"-RC-402-2501R-Q1	1	B-J	B9.11	PT/UT	9/21/1999	P
12050-WMKS-0109F-1	21	27 1/2"-RC-406-2501R-Q1	1	B-J	B9.11	PT/UT	9/26/1999	P
12050-WMKS-0109F-2	1	3"-RC-516-1502-Q1	1	B-J	B9.21	PT	9/25/1999	
12050-WMKS-0110A-1	SW-12	6"-RC-438-1502-Q1	1	B-J	B9.11	PT/UT	9/17/1999	
12050-WMKS-0110A-1	SW-6	6"-RC-437-1502-Q1	1	B-F	B5.40	PT/UT	9/18/1999	

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
12050-WMKS-0110A-2	SW-40	4"-RC-434-1502-Q1	1	B-F	B5.40	PT/UT	9/17/1999	
12050-WMKS-0110A-2	SW-42	3"-RC-435-1502-Q1	1	B-J	B9.21	PT	9/16/1999	
12050-WMKS-0110B	50	4"-RC-414-1502-Q1	1	B-J	B9.11	PT/UT	9/24/1999	
12050-WMKS-0110B	SW-65	4"-RC-414-1502-Q1	1	B-J	B9.11	PT/UT	9/30/1999	
12050-WMKS-0110C	23A	4"-RC-414-1502-Q1	1	B-J	B9.11	PT/UT	9/27/1999	
12050-WMKS-0110D	2-RC-CSH-39	4"-RC-415-1502-Q1	1	F-C	F3.0	VT-3	9/26/1999	
12050-WMKS-0111AAD	26	3"-CH-667-1502-Q2	2	C-F-1	C5.21	PT/UT	9/15/1999	
12050-WMKS-0111AAD	SW-72W	4"-CH-480-1502-Q2	2	C-F-1	C5.21	PT/UT	9/15/1999	
12050-WMKS-0111AAG	49A	3"-SI-567-1502-Q2	2	C-F-1	C5.21	PT/UT	9/29/1999	
12050-WMKS-0111AAJ	47	6"-SI-570-1502-Q2	2	C-F-1	C5.11	PT/UT	9/22/1999	
12050-WMKS-0111AAJ	SW-37	3"-SI-536-1502-Q2	2	C-F-1	C5.21	PT/UT	9/15/1999	
12050-WMKS-0111AAP	3	3"-CH-778-1502-Q2	2	C-F-1	C5.21	PT/UT	9/16/1999	
12050-WMKS-0111AAP	88A	2"-CH-938-1502-Q2	2	C-F-1	C5.30	PT	9/13/1999	
12050-WMKS-0111AB	10	2"-CH-405-1502-Q1	1	B-J	B9.21	PT	9/19/1999	
12050-WMKS-0111AB	11A	2"-CH-801-1502-Q1	1	B-J	B9.21	PT	9/22/1999	
12050-WMKS-0111AB	13	2"-CH-405-1502-Q1	1	B-J	B9.40	PT	9/24/1999	
12050-WMKS-0111AB	65	2"-CH-801-1502-Q1	1	B-J	B9.21	PT	9/22/1999	
12050-WMKS-0111AB	66	2"-CH-801-1502-Q1	1	B-J	B9.21	PT	9/22/1999	
12050-WMKS-0111AD-1	3	2"-RC-445-1502-Q1	1	B-J	B9.40	PT	9/21/1999	
12050-WMKS-0111AD-1	FLANGE-1	2"-RC-445-1502-Q1	1	B-G-2	B7.50	VT-1	9/13/1999	
12050-WMKS-0111AD-2	26	2"-RC-446-1502-Q1	1	B-J	B9.40	PT	9/26/1999	
12050-WMKS-0111AD-2	SW-41	2"-RC-446-1502-Q1	1	B-J	B9.40	PT	9/26/1999	
12050-WMKS-0111AQ	76	6"-CH-418-153A-Q2	2	C-F-1	C5.11	PT/UT	9/13/1999	
12050-WMKS-0111DA	LS-61W(25W)	6"-CH-418-153A-Q2	2	C-F-1	C5.12	PT/UT	9/15/1999	
12050-WMKS-0111DA	LS-61W(26W)	6"-CH-418-153A-Q2	2	C-F-1	C5.12	PT/UT	9/15/1999	
12050-WMKS-0111DA	SW-25W	6"-CH-418-153A-Q2	2	C-F-1	C5.11	PT/UT	9/15/1999	
12050-WMKS-0111DA	SW-26W	6"-CH-418-153A-Q2	2	C-F-1	C5.11	PT/UT	9/15/1999	
12050-WMKS-0111W	42	2"-CH-468-1502-Q1	1	B-J	B9.21	PT	9/28/1999	
12050-WMKS-0111W	46A	2"-CH-468-1502-Q1	1	B-J	B9.21	PT	9/27/1999	
12050-WMKS-0111W	4A	3"-CH-814-1502-Q1	1	B-J	B9.21	PT	9/27/1999	
12050-WMKS-0111W	5B	3"-CH-814-1502-Q1	1	B-J	B9.21	PT	9/27/1999	
12050-WMKS-0111Z	32	2"-CH-801-1502-Q1	1	B-J	B9.21	PT	9/26/1999	
12050-WMKS-0111Z	33A	2"-CH-801-1502-Q1	1	B-J	B9.21	PT	9/26/1999	
12050-WMKS-0111Z	34	2"-CH-801-1502-Q1	1	B-J	B9.21	PT	9/26/1999	
12050-WMKS-0111Z	35	2"-CH-801-1502-Q1	1	B-J	B9.21	PT	9/26/1999	
12050-WMKS-0113A-1	2-RH-MOV-2700-BOLTING	14"-RH-401-1502-Q1	1	B-G-2	B7.70	VT-1	9/13/1999	
12050-WMKS-0113A-1	SW-32	14"-RH-401-1502-Q1	1	B-J	B9.11	PT/UT	9/22/1999	
12050-WMKS-0113A-2	LS-75(SW-32)	12"-RH-406-602-Q2	2	C-F-1	C5.12	PT/UT	9/22/1999	
12050-WMKS-0113A-2	SW-32	12"-RH-406-602-Q2	2	C-F-1	C5.11	PT/UT	9/22/1999	P1
12050-WMKS-0113B	1	12"-RC-423-1502-Q1	1	B-J	B9.11	PT/UT	9/26/1999	
12050-WMKS-0113B	2-SI-170-BOLTING	12"-SI-468-1502-Q1	1	B-G-2	B7.70	VT-1	9/13/1999	
12050-WMKS-0113C-2	1	10"-RH-413-1502-Q2	2	C-F-1	C5.11	PT/UT	9/22/1999	
12050-WMKS-RC-E-1A.1	1A		1	B-B	B2.40	UT	9/24/1999	
12050-WMKS-RC-E-1A.1	WS-1A		2	C-C	C3.10	MT or PT	9/24/1999	
12050-WMKS-RC-E-1A.2	2-RC-10NIR		2	C-B	C2.22	UT	9/29/1999	
12050-WMKS-RC-E-1B.1	CL-MANWAY	2-RC-E-1B	1	B-G-2	B7.30	VT-1	9/13/1999	
12050-WMKS-RC-E-1B.1	HL-MANWAY	2-RC-E-1B	1	B-G-2	B7.30	VT-1	9/19/1999	
12050-WMKS-RC-E-1B.1	TUBING HOT LEG SID	2-RC-E-1A	1	B-Q	B16.20	ET	9/21/1999	
12050-WMKS-RC-E-1C.1	6		2	C-A	C1.10	UT	9/26/1999	
12050-WMKS-RC-E-2	1		1	B-B	B2.12	UT	9/17/1999	
12050-WMKS-RC-E-2	13		1	B-D	B3.110	UT	9/19/1999	P
12050-WMKS-RC-E-2	2-RC-E-2	2-RC-E-2	1	B-E	B4.13	VT-2	9/12/1999	
12050-WMKS-RC-E-2	2-RC-E-2	2-RC-E-2	1	B-E	B4.11	VT-2	9/12/1999	
12050-WMKS-RC-E-2	3		1	B-B	B2.12	UT	9/19/1999	
12050-WMKS-RC-E-2	4		1	B-B	B2.11	UT	9/17/1999	P1
12050-WMKS-RC-E-2	7		1	B-B	B2.11	UT	9/19/1999	P1
12050-WMKS-RC-E-2	8	2-RC-E-2	1	B-K	B10.10	UT	9/17/1999	P1
12050-WMKS-RC-E-2	9		1	B-D	B3.110	VT-2	9/12/1999	
12050-WMKS-RC-E-2	GROUP(IMM HEAT ELEM)	2-RC-R-1	1	B-E	B4.20	VT-2	9/12/1999	

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
12050-WMKS-RC-E-2	MANWAY	2-RC-E-2	1	B-G-2	B7.20	VT-1	9/13/1999	
12050-WMKS-RC-E-2	WS-3	2-RC-E-2	1	B-K	B10.10	PT	9/25/1999	
12050-WMKS-RC-E-2	WS-4	2-RC-E-2	1	B-K	B10.10	PT	9/25/1999	
12050-WMKS-RC-P-1A.1	1	2-RC-P-1A	1	B-L-1	B12.10	PT & VT-1	9/25/1999	
12050-WMKS-RC-R-1.1	2-RC-R-1	2-RC-R-1	1	B-E	B4.13	VT-2	9/13/1999	
12050-WMKS-RC-R-1.2	1		1	B-A	B1.40	MT/UT	9/23/1999	P1
12050-WMKS-RC-R-1.2	CRD-47		1	B-O	B14.10	PT	9/23/1999	
12050-WMKS-RC-R-1.2	CRD-52		1	B-O	B14.10	PT	9/23/1999	
12050-WMKS-RC-R-1.2	CRD-64		1	B-O	B14.10	PT	9/23/1999	
12050-WMKS-RC-R-1.3	S-20	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/23/1999	
12050-WMKS-RC-R-1.3	S-31	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/20/1999	
12050-WMKS-RC-R-1.3	S-32	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/20/1999	
12050-WMKS-RC-R-1.3	S-33	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/20/1999	
12050-WMKS-RC-R-1.3	S-34	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/21/1999	
12050-WMKS-RC-R-1.3	S-35	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/21/1999	
12050-WMKS-RC-R-1.3	S-36	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/21/1999	
12050-WMKS-RC-R-1.3	S-37	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/21/1999	
12050-WMKS-RC-R-1.3	S-38	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/21/1999	
12050-WMKS-RC-R-1.3	S-39	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/20/1999	
12050-WMKS-RC-R-1.3	S-40	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/20/1999	
12050-WMKS-RC-R-1.3	S-41	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/22/1999	
12050-WMKS-RC-R-1.3	S-42	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/22/1999	
12050-WMKS-RC-R-1.3	S-43	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/22/1999	
12050-WMKS-RC-R-1.3	S-44	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/22/1999	
12050-WMKS-RC-R-1.3	S-45	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/22/1999	
12050-WMKS-RC-R-1.3	S-46	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/23/1999	
12050-WMKS-RC-R-1.3	S-47	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/23/1999	
12050-WMKS-RC-R-1.3	S-48	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/22/1999	
12050-WMKS-RC-R-1.3	S-49	2-RC-R-1	1	B-G-1	B6.30	MT/UT	9/22/1999	
12050-WMKS-RC-R-1.4	CCW-20	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/23/1999	
12050-WMKS-RC-R-1.4	CCW-31	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CCW-32	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CCW-33	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CCW-34	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CCW-35	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CCW-36	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CCW-37	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CCW-38	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CCW-39	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CCW-40	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CCW-41	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CCW-42	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CCW-43	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CCW-44	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CCW-45	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CCW-46	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/23/1999	
12050-WMKS-RC-R-1.4	CCW-47	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/23/1999	
12050-WMKS-RC-R-1.4	CCW-48	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CCW-49	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CVW-20	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/23/1999	
12050-WMKS-RC-R-1.4	CVW-31	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CVW-32	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CVW-33	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CVW-34	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CVW-35	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CVW-36	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CVW-37	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CVW-38	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	CVW-39	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CVW-40	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	CVW-41	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CVW-42	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CVW-43	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	

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
12050-WMKS-RC-R-1.4	CVW-44	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CVW-45	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CVW-46	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/23/1999	
12050-WMKS-RC-R-1.4	CVW-47	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/23/1999	
12050-WMKS-RC-R-1.4	CVW-48	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	CVW-49	2-RC-R-1	1	B-G-1	B6.50	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	N-20	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/23/1999	
12050-WMKS-RC-R-1.4	N-31	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	N-32	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	N-33	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	N-34	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	N-35	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	N-36	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	N-37	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	N-38	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/21/1999	
12050-WMKS-RC-R-1.4	N-39	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	N-40	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/20/1999	
12050-WMKS-RC-R-1.4	N-41	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	N-42	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	N-43	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	N-44	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	N-45	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	N-46	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/23/1999	
12050-WMKS-RC-R-1.4	N-47	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/23/1999	
12050-WMKS-RC-R-1.4	N-48	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/22/1999	
12050-WMKS-RC-R-1.4	N-49	2-RC-R-1	1	B-G-1	B6.10	VT-1	9/22/1999	
12050-WMKS-RH-E-1A	4B		2	C-B	C2.31	PT	9/22/1999	
12050-WMKS-RH-E-1B	3		2	C-B	C2.33	VT-2	9/14/1999	
12050-WMKS-RH-E-1B	4		2	C-B	C2.33	VT-2	9/14/1999	
12050-WMKS-SI-TK-2	1		2	C-A	C1.20	UT	9/19/1999	P1
12050-WMKS-SI-TK-2	2		2	C-A	C1.20	UT	9/19/1999	
12050-WMKS-SI-TK-2	3		2	C-B	C2.21	MT	9/24/1999	
12050-WMKS-SI-TK-2	3		2	C-B	C2.21	UT	9/28/1999	P
12050-WMKS-SI-TK-2	4		2	C-B	C2.21	UT	9/28/1999	P
12050-WMKS-SI-TK-2	4		2	C-B	C2.21	MT	9/24/1999	
12050-WMKS-SI-TK-2	WS-1		2	C-C	C3.10	MT	9/24/1999	
12050-WMKS-SI-TK-2	WS-2		2	C-C	C3.10	MT	9/24/1999	
12050-WMKS-SI-TK-2	WS-3		2	C-C	C3.10	MT	9/24/1999	
12050-WMKS-SI-TK-2	WS-4		2	C-C	C3.10	MT	9/24/1999	

P - Partial examination, (reduction in coverage is 10% or greater as allowed by 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) relief is not required.

Abstract of System Pressure Tests Performed

ZONE NO	DESCRIPTION	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE	REMARKS
11715-SPM-078B-3-1	SW TO RECIRC SPRAY HT.EX	2-SW-002	2	C-H	C7.20	9/14/1999	
11715-SPM-078B-3-1	SW TO RECIRC SPRAY HT.EX	2-SW-002	2	C-H	C7.40	9/14/1999	
11715-SPM-078B-3-1	SW TO RECIRC SPRAY HT.EX	2-SW-002	2	C-H	C7.80	9/14/1999	
11715-SPM-078B-3-2	SW TO RECIRC. SPRAY HT. EX	2-SW-001	2	C-H	C7.20	9/14/1999	
11715-SPM-078B-3-2	SW TO RECIRC. SPRAY HT. EX	2-SW-001	2	C-H	C7.40	9/14/1999	
11715-SPM-078B-3-2	SW TO RECIRC. SPRAY HT. EX	2-SW-001	2	C-H	C7.80	9/14/1999	
11715-SPM-078B-3-3	SW TO RECIRC. SPRAY HT. EX	2-SW-001	2	C-H	C7.20	9/14/1999	
11715-SPM-078B-3-3	SW TO RECIRC. SPRAY HT. EX	2-SW-001	2	C-H	C7.40	9/14/1999	
11715-SPM-078B-3-3	SW TO RECIRC. SPRAY HT. EX	2-SW-001	2	C-H	C7.80	9/14/1999	
11715-SPM-078B-3-4	SW TO RECIRC SPRAY HT.EX	2-SW-002	2	C-H	C7.20	9/14/1999	
11715-SPM-078B-3-4	SW TO RECIRC SPRAY HT.EX	2-SW-002	2	C-H	C7.40	9/14/1999	
11715-SPM-078B-3-4	SW TO RECIRC SPRAY HT.EX	2-SW-002	2	C-H	C7.80	9/14/1999	
11715-SPM-088A-1-6	`B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.40	8/28/1999	
11715-SPM-088A-1-6	`B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.80	8/28/1999	
11715-SPM-106A-1-1	HYDROGEN ANALYZER PEN. 31	2-HC-002	2	C-H	C7.40	9/16/1999	Common with Unit 1, Unit 2 portion is between 2-HC-TV-205A and 2-HC-TV-205B
11715-SPM-106A-1-1	HYDROGEN ANALYZER PEN. 31	2-HC-002	2	C-H	C7.80	9/16/1999	Common with Unit 1, Unit 2 portion is between 2-HC-TV-205A and 2-HC-TV-205B
11715-SPM-106A-1-5	HYDROGEN ANALYZER PEN. 31	2-HC-002	2	C-H	C7.40	9/16/1999	
11715-SPM-106A-1-5	HYDROGEN ANALYZER PEN. 31	2-HC-002	2	C-H	C7.80	9/16/1999	
11715-SPM-106A-2-4	HYDROGEN ANALYZER PEN. 105	2-HC-003	2	C-H	C7.40	9/22/1999	
11715-SPM-106A-2-4	HYDROGEN ANALYZER PEN. 105	2-HC-003	2	C-H	C7.80	9/22/1999	
11715-SPM-106A-3-2	HRSS SAMPLE PEN. 98	2-HC-005	2	C-H	C7.40	9/22/1999	
11715-SPM-106A-3-2	HRSS SAMPLE PEN. 98	2-HC-005	2	C-H	C7.80	9/22/1999	
11715-SPM-106A-4-3	CONTAINMENT VACUUM PUMPS PEN. 93	2-CV-002	2	C-H	C7.40	9/13/1999	Common with Unit 1, Unit 2 portion is between 2-HC-TV-206A and 2-HC-TV-206B
11715-SPM-106A-4-3	CONTAINMENT VACUUM PUMPS PEN. 93	2-CV-002	2	C-H	C7.80	9/13/1999	Common with Unit 1, Unit 2 portion is between 2-HC-TV-206A and 2-HC-TV-206B
11715-SPM-106A-4-6	CONTAINMENT VACUUM PUMPS PEN. 93	2-CV-002	2	C-H	C7.40	9/13/1999	
11715-SPM-106A-4-6	CONTAINMENT VACUUM PUMPS PEN. 93	2-CV-002	2	C-H	C7.80	9/13/1999	
12050-SPM-074A-1-1	FEEDWATER	2-FW-001	2	C-H	C7.20	5/26/1998	Outside Containment
12050-SPM-074A-1-1	FEEDWATER	2-FW-001	2	C-H	C7.20	10/9/1999	Inside Containment Only
12050-SPM-074A-1-1	FEEDWATER	2-FW-001	2	C-H	C7.40	5/26/1998	Outside Containment
12050-SPM-074A-1-1	FEEDWATER	2-FW-001	2	C-H	C7.40	10/9/1999	Inside Containment Only
12050-SPM-074A-1-1	FEEDWATER	2-FW-001	2	C-H	C7.80	5/26/1998	Outside Containment
12050-SPM-074A-1-1	FEEDWATER	2-FW-001	2	C-H	C7.80	10/9/1999	Inside Containment Only

Abstract of System Pressure Tests Performed

ZONE NO	DESCRIPTION	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE	REMARKS
12050-SPM-074A-1-2	FEEDWATER	2-FW-002	2	C-H	C7.20	10/9/1999	Inside Containment Only
12050-SPM-074A-1-2	FEEDWATER	2-FW-002	2	C-H	C7.40	10/9/1999	Inside Containment Only
12050-SPM-074A-1-2	FEEDWATER	2-FW-002	2	C-H	C7.80	10/9/1999	Inside Containment Only
12050-SPM-074A-1-3	FEEDWATER	2-FW-003	2	C-H	C7.20	10/9/1999	Inside Containment Only
12050-SPM-074A-1-3	FEEDWATER	2-FW-003	2	C-H	C7.40	10/9/1999	Inside Containment Only
12050-SPM-074A-1-3	FEEDWATER	2-FW-003	2	C-H	C7.40	12/8/1998	Outside Containment
12050-SPM-074A-1-3	FEEDWATER	2-FW-003	2	C-H	C7.80	12/8/1998	Outside Containment
12050-SPM-074A-1-3	FEEDWATER	2-FW-003	2	C-H	C7.80	10/9/1999	Inside Containment Only
12050-SPM-082B-2-1	RAD MONITOR SUPPLY PEN. 44	2-CA-003	2	C-H	C7.40	9/22/1999	
12050-SPM-082B-2-1	RAD MONITOR SUPPLY PEN. 44	2-CA-003	2	C-H	C7.80	9/22/1999	
12050-SPM-082B-2-2	RAD MONITOR RETURN PEN. 43	2-CA-004	2	C-H	C7.40	9/22/1999	
12050-SPM-082B-2-2	RAD MONITOR RETURN PEN. 43	2-CA-004	2	C-H	C7.80	9/22/1999	
12050-SPM-082C-2-1	COMPRESSED AIR Spare PEN. 112	2-CA-005	2	C-H	C7.40	9/22/1999	
12050-SPM-082C-2-1	COMPRESSED AIR Spare PEN. 112	2-CA-005	2	C-H	C7.80	9/22/1999	
12050-SPM-082F-2-1	INSTRUMENT AIR PEN. 42	2-CA-002	2	C-H	C7.40	9/13/1999	
12050-SPM-082F-2-1	INSTRUMENT AIR PEN. 42	2-CA-002	2	C-H	C7.80	9/13/1999	
12050-SPM-089A-3-1	FEEDWATER	2-FW-001	2	C-H	C7.40	9/12/1999	SG SAMPLE LINES
12050-SPM-089A-3-1	FEEDWATER	2-FW-001	2	C-H	C7.80	9/12/1999	SG SAMPLE LINES
12050-SPM-089A-3-2	FEEDWATER	2-FW-002	2	C-H	C7.40	9/12/1999	SG SAMPLE LINES
12050-SPM-089A-3-2	FEEDWATER	2-FW-002	2	C-H	C7.80	9/12/1999	SG SAMPLE LINES
12050-SPM-089A-3-3	FEEDWATER	2-FW-003	2	C-H	C7.40	9/12/1999	SG SAMPLE LINES
12050-SPM-089A-3-3	FEEDWATER	2-FW-003	2	C-H	C7.80	9/12/1999	SG SAMPLE LINES
12050-SPM-089A-3-4	SG SAMPLE TO PEN. 56	2-SS-001	2	C-H	C7.40	9/12/1999	SG SURFACE SAMPLE
12050-SPM-089A-3-4	SG SAMPLE TO PEN. 56	2-SS-001	2	C-H	C7.80	9/12/1999	SG SURFACE SAMPLE
12050-SPM-089B-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	9/12/1999	
12050-SPM-089B-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	PENETRATION 56A, B, C, 57C TO FIRST NORMALLY CLOSED VALVE
12050-SPM-089B-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	9/12/1999	
12050-SPM-089B-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	PENETRATION 56A, B, C, 57C TO FIRST NORMALLY CLOSED VALVE
12050-SPM-089B-1-2	REACTOR COOLANT SYSTEM	2-RC-001	2	C-H	C7.40	9/22/1999	REACTOR COOLANT SAMPLE LINES, PENETRATION 57B.
12050-SPM-089B-1-2	REACTOR COOLANT SYSTEM	2-RC-001	2	C-H	C7.80	9/22/1999	REACTOR COOLANT SAMPLE LINES, PENETRATION 57B.
12050-SPM-089B-1-3	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.40	10/1/1999	From RHR to 2-SS-TV-203A
12050-SPM-089B-1-3	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.80	10/1/1999	From RHR to 2-SS-TV-203A
12050-SPM-090A-1-1	PDTT VENT PEN. 48	2-DA-003	2	C-H	C7.40	9/13/1999	PENETRATION 48.
12050-SPM-090A-1-1	PDTT VENT PEN. 48	2-DA-003	2	C-H	C7.80	9/13/1999	PENETRATION 48.
12050-SPM-090A-1-2	PRIMARY DRAINS TRANSFER PUMP DISCHARGE PEN. 33 (PDTT TO GAS STRIPPER)	2-DA-002	2	C-H	C7.40	9/13/1999	PENETRATION 33.

Abstract of System Pressure Tests Performed

ZONE NO	DESCRIPTION	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE	REMARKS
12050-SPM-090A-1-2	PRIMARY DRAINS TRANSFER PUMP DISCHARGE PEN. 33 (PDTT TO GAS STRIPPER)	2-DA-002	2	C-H	C7.80	9/13/1999	PENETRATION 33.
12050-SPM-090A-3-3	PRIMARY VENT POT (2-DA-TK-1) DISCHARGE PEN. 54	2-DA-004	2	C-H	C7.40	9/12/1999	PENETRATION 54
12050-SPM-090A-3-3	PRIMARY VENT POT (2-DA-TK-1) DISCHARGE PEN. 54	2-DA-004	2	C-H	C7.80	9/12/1999	PENETRATION 54
12050-SPM-090A-3-4	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-090A-3-4	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-090A-3-5	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-090A-3-5	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-091A-1-1	'B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.40	5/26/1998	RWST TO LHSI & CHARGING
12050-SPM-091A-1-1	'B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.80	5/26/1998	RWST TO LHSI & CHARGING
12050-SPM-091A-1-2	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	5/26/1998	
12050-SPM-091A-1-2	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	5/26/1998	
12050-SPM-091A-1-3	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	5/26/1998	
12050-SPM-091A-1-3	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	5/26/1998	
12050-SPM-091A-1-4	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	5/26/1998	
12050-SPM-091A-1-4	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	5/26/1998	
12050-SPM-091A-1-5	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	9/11/1998	
12050-SPM-091A-1-5	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	9/11/1998	
12050-SPM-091A-1-7	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	5/26/1998	
12050-SPM-091A-1-7	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.60	5/26/1998	
12050-SPM-091A-1-7	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	5/26/1998	
12050-SPM-091A-2-1	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	5/26/1998	Pipe Tunnel North Yard
12050-SPM-091A-2-1	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	8/7/1998	Safeguards Area
12050-SPM-091A-2-1	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.60	8/7/1998	Safeguards Area
12050-SPM-091A-2-1	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	5/26/1998	Pipe Tunnel North Yard
12050-SPM-091A-2-1	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	8/7/1998	Safeguards Area
12050-SPM-091A-2-2	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	5/26/1998	Pipe Tunnel North Yard
12050-SPM-091A-2-2	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	9/11/1998	Safeguards Area
12050-SPM-091A-2-2	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.60	9/11/1998	Safeguards Area
12050-SPM-091A-2-2	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	9/11/1998	Safeguards Area
12050-SPM-091A-2-2	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	5/26/1998	Pipe Tunnel North Yard
12050-SPM-091A-2-3	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	8/7/1998	
12050-SPM-091A-2-3	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	8/7/1998	
12050-SPM-091A-2-6	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.40	8/7/1998	
12050-SPM-091A-2-6	QUENCH SPRAY RECIRC TO RWST	2-QS-003	2	C-H	C7.80	8/7/1998	
12050-SPM-091B-1-1	2-RS-P-3B TO 2-RS-P-2B SUCTION	2-RS-006	2	C-H	C7.40	9/14/1999	From 2-RS-125 to 2-RS-MOV-201B
12050-SPM-091B-1-1	2-RS-P-3B TO 2-RS-P-2B SUCTION	2-RS-006	2	C-H	C7.80	9/14/1999	From 2-RS-125 to 2-RS-MOV-201B
12050-SPM-091B-1-2	2-RS-P-3A TO 2-RS-P-2A SUCTION	2-RS-005	2	C-H	C7.40	9/14/1999	From 2-RS-127 to 2-RS-MOV-201A
12050-SPM-091B-1-2	2-RS-P-3A TO 2-RS-P-2A SUCTION	2-RS-005	2	C-H	C7.80	9/14/1999	From 2-RS-127 to 2-RS-MOV-201A
12050-SPM-092A-1-1	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.40	9/16/1999	PEN. 105C 2-TV-LM-201A,D
12050-SPM-092A-1-1	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.40	9/16/1999	PEN. 105D 2-LM-TV-201B,C

Abstract of System Pressure Tests Performed

ZONE NO	DESCRIPTION	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE	REMARKS
12050-SPM-092A-1-1	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.80	9/16/1999	PEN. 105C 2-TV-LM-201A,D
12050-SPM-092A-1-1	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.80	9/16/1999	PEN. 105D 2-LM-TV-201B,C
12050-SPM-092A-1-2	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.40	9/16/1999	PEN. 57A 2-LM-TV-200G, H
12050-SPM-092A-1-2	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.40	9/13/1999	PEN. 55D 2-LM-TV-200E, F
12050-SPM-092A-1-2	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.40	9/16/1999	PEN. 105A 2-LM-TV-200C, D
12050-SPM-092A-1-2	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.40	9/16/1999	PEN. 97B 2-LM-TV-200A, B
12050-SPM-092A-1-2	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.80	9/13/1999	PEN. 55D 2-LM-TV-200E, F
12050-SPM-092A-1-2	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.80	9/16/1999	PEN. 105A 2-LM-TV-200C, D
12050-SPM-092A-1-2	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.80	9/16/1999	PEN. 57A 2-LM-TV-200G, H
12050-SPM-092A-1-2	LEAKAGE MONITORING SYSTEM	2-LM-001	2	C-H	C7.80	9/16/1999	PEN. 97B 2-LM-TV-200A, B
12050-SPM-092A-2-2	CONTAINMENT VACUUM PUMPS PEN. 93	2-CV-002	2	C-H	C7.40	9/13/1999	
12050-SPM-092A-2-2	CONTAINMENT VACUUM PUMPS PEN. 93	2-CV-002	2	C-H	C7.80	9/13/1999	
12050-SPM-093A-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.11	10/9/1999	
12050-SPM-093A-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.31	10/9/1999	
12050-SPM-093A-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	9/12/1999	2-RC-11 and 2-RC-HCV-2557A
12050-SPM-093A-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-093A-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.61	10/9/1999	
12050-SPM-093A-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-093A-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	9/12/1999	2-RC-11 and 2-RC-HCV-2557A
12050-SPM-093A-1-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-093A-1-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-093A-1-3	LOOP FILL HEADER	2-CH-005	1	B-P	B15.50	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093A-1-3	LOOP FILL HEADER	2-CH-005	1	B-P	B15.70	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093A-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.11	10/9/1999	
12050-SPM-093A-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.31	10/9/1999	
12050-SPM-093A-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-093A-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	9/12/1999	2-RC-50 and 2-RC-HCV-2557B
12050-SPM-093A-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.61	10/9/1999	
12050-SPM-093A-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-093A-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	9/12/1999	2-RC-50 and 2-RC-HCV-2557B
12050-SPM-093A-2-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-093A-2-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-093A-2-3	LOOP FILL HEADER	2-CH-005	1	B-P	B15.50	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093A-2-3	LOOP FILL HEADER	2-CH-005	1	B-P	B15.70	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093A-3-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.11	10/9/1999	
12050-SPM-093A-3-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.31	10/9/1999	
12050-SPM-093A-3-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	9/12/1999	2-RC-82 and 2-RC-HCV-2557C
12050-SPM-093A-3-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-093A-3-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.61	10/9/1999	
12050-SPM-093A-3-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	

Abstract of System Pressure Tests Performed

ZONE NO	DESCRIPTION	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE	REMARKS
12050-SPM-093A-3-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	9/12/1999	2-RC-82 and 2-RC-HCV-2557C
12050-SPM-093A-3-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.50	10/9/1999	
12050-SPM-093A-3-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.70	10/9/1999	
12050-SPM-093A-3-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.50	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093A-3-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.70	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093A-3-4	LOOP FILL HEADER	2-CH-005	1	B-P	B15.50	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093A-3-4	LOOP FILL HEADER	2-CH-005	1	B-P	B15.70	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093B-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.21	10/9/1999	
12050-SPM-093B-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-093B-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-093B-1-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.50	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093B-1-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.70	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093B-1-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.50	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093B-1-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.70	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093B-1-4	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.50	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-093B-1-4	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.70	10/9/1999	Not in service but required to examine up to the second normally closed valve.
12050-SPM-094A-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-094A-1-1	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	1	B-P	B15.51	9/14/1999	Examine between 2700 and 2701 when RHR is inservice.
12050-SPM-094A-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-094A-1-1	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	1	B-P	B15.71	9/14/1999	Examine between 2700 and 2701 when RHR is inservice.
12050-SPM-094A-1-2	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.20	9/14/1999	
12050-SPM-094A-1-2	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.40	9/14/1999	
12050-SPM-094A-1-2	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.60	9/14/1999	
12050-SPM-094A-1-2	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.80	9/14/1999	
12050-SPM-094A-1-3	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.40	9/14/1999	
12050-SPM-094A-1-3	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.80	9/14/1999	

Abstract of System Pressure Tests Performed

ZONE NO	DESCRIPTION	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE	REMARKS
12050-SPM-094A-1-4	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.40	9/14/1999	
12050-SPM-094A-1-4	RHR PUMP DISCHARGE TO RHR HEAT EXCHANGERS	2-RH-001	2	C-H	C7.80	9/14/1999	
12050-SPM-094A-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-094A-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-094A-2-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-094A-2-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-094A-2-5	RHR RETURN TO RWST PENETRATION 24	2-RH-002	2	C-H	C7.40	9/21/1999	Penetration 24, RHR to RWST, examine when cavity is drained down thru this pen.
12050-SPM-094A-2-5	RHR RETURN TO RWST PENETRATION 24	2-RH-002	2	C-H	C7.80	9/21/1999	Penetration 24, RHR to RWST, examine when cavity is drained down thru this pen.
12050-SPM-095A-1-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.20	10/9/1999	
12050-SPM-095A-1-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	10/9/1999	
12050-SPM-095A-1-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	10/9/1999	
12050-SPM-095A-2-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.20	10/9/1999	
12050-SPM-095A-2-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	10/9/1999	
12050-SPM-095A-2-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	10/9/1999	
12050-SPM-095A-2-3	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	10/9/1999	
12050-SPM-095A-2-3	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	10/9/1999	
12050-SPM-095A-2-4	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	10/9/1999	
12050-SPM-095A-2-4	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	10/9/1999	
12050-SPM-095A-2-5	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	10/9/1999	
12050-SPM-095A-2-5	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	10/9/1999	
12050-SPM-095B-1-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	10/9/1999	
12050-SPM-095B-1-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	10/9/1999	
12050-SPM-095B-1-2	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.20	8/19/1998	
12050-SPM-095B-1-2	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	8/19/1998	
12050-SPM-095B-1-2	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	8/19/1998	
12050-SPM-095B-1-7	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.20	8/19/1998	
12050-SPM-095B-1-7	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	8/19/1998	
12050-SPM-095B-1-7	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	8/19/1998	
12050-SPM-095B-1-8	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	8/19/1998	
12050-SPM-095B-1-8	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	8/19/1998	
12050-SPM-095B-2-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	8/19/1998	
12050-SPM-095B-2-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	8/19/1998	
12050-SPM-095B-2-10	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	8/19/1998	
12050-SPM-095B-2-10	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	8/19/1998	
12050-SPM-095B-2-4	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	8/19/1998	
12050-SPM-095B-2-4	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.60	8/19/1998	
12050-SPM-095B-2-4	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	8/19/1998	
12050-SPM-095B-2-5	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	8/19/1998	
12050-SPM-095B-2-5	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	8/19/1998	
12050-SPM-095B-2-6	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	8/19/1998	

Abstract of System Pressure Tests Performed

ZONE NO	DESCRIPTION	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE	REMARKS
12050-SPM-095B-2-6	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	8/19/1998	
12050-SPM-095B-2-8	`B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.40	8/19/1998	RWST TO CHARGING
12050-SPM-095B-2-8	`B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.80	8/19/1998	RWST TO CHARGING
12050-SPM-095B-2-9	CHARGING CROSS-TIR UNIT 2 TO UNIT 1.	2-CH-008	2	C-H	C7.40	12/18/1998	UNIT 1 CHARGING X-TIE
12050-SPM-095B-2-9	CHARGING CROSS-TIR UNIT 2 TO UNIT 1.	2-CH-008	2	C-H	C7.40	8/19/1998	UNIT 1 CHARGING X-TIE
12050-SPM-095B-2-9	CHARGING CROSS-TIR UNIT 2 TO UNIT 1.	2-CH-008	2	C-H	C7.80	12/18/1998	UNIT 1 CHARGING X-TIE
12050-SPM-095B-2-9	CHARGING CROSS-TIR UNIT 2 TO UNIT 1.	2-CH-008	2	C-H	C7.80	8/19/1998	UNIT 1 CHARGING X-TIE
12050-SPM-095C-1-1	LETDOWN	2-CH-002	1	B-P	B15.41	10/9/1999	
12050-SPM-095C-1-1	LETDOWN	2-CH-002	1	B-P	B15.51	10/9/1999	
12050-SPM-095C-1-1	LETDOWN	2-CH-002	1	B-P	B15.71	10/9/1999	
12050-SPM-095C-1-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.50	10/9/1999	
12050-SPM-095C-1-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	9/12/1999	
12050-SPM-095C-1-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.70	10/9/1999	
12050-SPM-095C-1-2	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	9/12/1999	
12050-SPM-095C-1-6	NORMAL CHARGING HEADER	2-CH-003	1	B-P	B15.51	10/9/1999	
12050-SPM-095C-1-6	NORMAL CHARGING HEADER	2-CH-003	1	B-P	B15.71	10/9/1999	
12050-SPM-095C-1-8	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	7/14/1999	
12050-SPM-095C-1-8	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	7/14/1999	
12050-SPM-095C-2-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.20	10/9/1999	
12050-SPM-095C-2-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	10/9/1999	
12050-SPM-095C-2-1	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	10/9/1999	
12050-SPM-095C-2-3	SEAL INJECTION TO RCP'S	2-CH-006	1	B-P	B15.51	10/9/1999	
12050-SPM-095C-2-3	SEAL INJECTION TO RCP'S	2-CH-006	1	B-P	B15.71	10/9/1999	
12050-SPM-095C-2-4	SEAL INJECTION TO RCP'S	2-CH-006	1	B-P	B15.51	10/9/1999	
12050-SPM-095C-2-4	SEAL INJECTION TO RCP'S	2-CH-006	1	B-P	B15.71	10/9/1999	
12050-SPM-095C-2-6	EXCESS LETDOWN HEAT EXCHANGER	2-CH-004	1	B-P	B15.51	10/9/1999	
12050-SPM-095C-2-6	EXCESS LETDOWN HEAT EXCHANGER	2-CH-004	1	B-P	B15.61	10/9/1999	
12050-SPM-096A-1-1	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.40	8/4/1998	Discharge side
12050-SPM-096A-1-1	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.40	5/26/1998	Suction side of pump
12050-SPM-096A-1-1	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.60	8/4/1998	Discharge side
12050-SPM-096A-1-1	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.60	5/26/1998	Suction side of pump
12050-SPM-096A-1-1	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.80	5/26/1998	Suction side of pump
12050-SPM-096A-1-1	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.80	8/4/1998	Discharge side
12050-SPM-096A-1-2	`B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.40	5/26/1998	Suction side of pump
12050-SPM-096A-1-2	`B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.60	5/26/1998	Suction side of pump
12050-SPM-096A-1-2	`B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.80	5/26/1998	Suction side of pump
12050-SPM-096A-1-3	`B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.40	5/26/1998	Pipe Tunnel, QSPH, and Aux Building
12050-SPM-096A-1-3	`B' LOW HEAD SAFETY INJECTION PUMP	2-SI-010	2	C-H	C7.80	5/26/1998	Pipe Tunnel, QSPH, and Aux Building
12050-SPM-096A-1-5	ACCUMULATOR MAKEUP LINE PEN. 20	2-SI-007	2	C-H	C7.40	9/22/1999	
12050-SPM-096A-1-5	ACCUMULATOR MAKEUP LINE PEN. 20	2-SI-007	2	C-H	C7.80	9/22/1999	
12050-SPM-096A-2-1	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.40	8/4/1998	
12050-SPM-096A-2-1	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.80	8/4/1998	
12050-SPM-096A-2-4	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.40	8/4/1998	LHSI TO CHARGING
12050-SPM-096A-2-4	RWST TO LOW HEAD SAFETY INJECTION	2-SI-009	2	C-H	C7.80	8/4/1998	LHSI TO CHARGING

Abstract of System Pressure Tests Performed

ZONE NO	DESCRIPTION	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE	REMARKS
12050-SPM-096A-2-6	LOW HEAD SAFETY INJECTION TO HL PEN. 60	2-SI-015	2	C-H	C7.40	9/28/1999	
12050-SPM-096A-2-6	LOW HEAD SAFETY INJECTION TO HL PEN. 60	2-SI-015	2	C-H	C7.80	9/28/1999	
12050-SPM-096A-2-7	LHSI TO HL, PEN 61	2-SI-016	2	C-H	C7.40	9/28/1999	
12050-SPM-096A-2-7	LHSI TO HL, PEN 61	2-SI-016	2	C-H	C7.80	9/28/1999	
12050-SPM-096A-2-8	LOW HEAD SAFETY INJECTION TO CL - PENETRATION 62	2-SI-017	2	C-H	C7.40	9/28/1999	
12050-SPM-096A-2-8	LOW HEAD SAFETY INJECTION TO CL - PENETRATION 62	2-SI-017	2	C-H	C7.80	9/28/1999	
12050-SPM-096A-2-9	ACCUMULATOR TEST LINE - PENETRATION 106	2-SI-008	2	C-H	C7.40	9/12/1999	PENETRATION 106
12050-SPM-096A-2-9	ACCUMULATOR TEST LINE - PENETRATION 106	2-SI-008	2	C-H	C7.80	9/12/1999	PENETRATION 106
12050-SPM-096A-3-3	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	7/14/1999	BORIC ACID TRANSFER PUMPS TO BIT TANK
12050-SPM-096A-3-3	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	7/14/1999	BORIC ACID TRANSFER PUMPS TO BIT TANK
12050-SPM-096A-3-4	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	10/6/1999	CHARGING PUMP DISCHARGE TO SI
12050-SPM-096A-3-4	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	10/6/1999	CHARGING PUMP DISCHARGE TO SI
12050-SPM-096A-3-5	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.40	7/14/1999	SI TANK FLUSH
12050-SPM-096A-3-5	NORMAL CHARGING HEADER	2-CH-007	2	C-H	C7.80	7/14/1999	NORMAL CHARGING
12050-SPM-096A-3-6	LOOP FILL HEADER	2-CH-005	2	C-H	C7.40	7/14/1999	SI TANK FLUSH
12050-SPM-096A-3-6	LOOP FILL HEADER	2-CH-005	2	C-H	C7.80	7/14/1999	SI TANK FLUSH
12050-SPM-096B-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-096B-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-096B-1-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	9/12/1999	From 2-SI-152 to 2-SI-HCV-2850B
12050-SPM-096B-1-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-096B-1-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	9/12/1999	From 2-SI-152 to 2-SI-HCV-2850B
12050-SPM-096B-1-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-096B-1-4	ACCUMULATOR N2 VENT PEN. 50	2-SI-004	2	C-H	C7.40	9/15/1999	PENETRATION 50
12050-SPM-096B-1-4	ACCUMULATOR N2 VENT PEN. 50	2-SI-004	2	C-H	C7.80	9/15/1999	PENETRATION 50
12050-SPM-096B-1-5	N2 SUPPLY TO ACCUMULATOR PEN. 53	2-SI-005	2	C-H	C7.40	9/15/1999	PENETRATION 53
12050-SPM-096B-1-5	N2 SUPPLY TO ACCUMULATOR PEN. 53	2-SI-005	2	C-H	C7.80	9/15/1999	PENETRATION 53
12050-SPM-096B-1-6	ACCUMULATOR MAKEUP LINE PEN. 20	2-SI-007	2	C-H	C7.40	9/22/1999	PENETRATION 20
12050-SPM-096B-1-6	ACCUMULATOR MAKEUP LINE PEN. 20	2-SI-007	2	C-H	C7.80	9/22/1999	PENETRATION 20
12050-SPM-096B-1-7	ACCUMULATOR TEST LINE - PENETRATION 106	2-SI-008	2	C-H	C7.40	9/12/1999	PENETRATION 106
12050-SPM-096B-1-7	ACCUMULATOR TEST LINE - PENETRATION 106	2-SI-008	2	C-H	C7.80	9/12/1999	PENETRATION 106
12050-SPM-096B-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-096B-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-096B-2-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	9/12/1999	From 2-SI-169 to 2-SI-HCV-2850D
12050-SPM-096B-2-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-096B-2-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	9/12/1999	From 2-SI-169 to 2-SI-HCV-2850D
12050-SPM-096B-2-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	

Abstract of System Pressure Tests Performed

ZONE NO	DESCRIPTION	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE	REMARKS
12050-SPM-096B-3-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-096B-3-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-096B-3-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	9/12/1999	From 2-SI-186 to 2-SI-HCV-2850F
12050-SPM-096B-3-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-096B-3-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	9/12/1999	From 2-SI-186 to 2-SI-HCV-2850F
12050-SPM-096B-3-3	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-096B-4-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.11	10/9/1999	
12050-SPM-096B-4-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	
12050-SPM-096B-4-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	
12050-SPM-096B-4-5	CHARGING TO CL, PEN. 11	2-SI-011	1	B-P	B15.51	10/9/1999	
12050-SPM-096B-4-5	CHARGING TO CL, PEN. 11	2-SI-011	1	B-P	B15.71	10/9/1999	
12050-SPM-096B-4-7	HHSI, CHARGING TO HL, PEN. 114	2-SI-014	1	B-P	B15.51	10/9/1999	
12050-SPM-096B-4-7	HHSI, CHARGING TO HL, PEN. 114	2-SI-014	1	B-P	B15.71	10/9/1999	
12050-SPM-102A-2-1	AUXILIARY FEED PUMPS	2-FW-001	2	C-H	C7.40	10/9/1999	
12050-SPM-102A-2-1	AUXILIARY FEED PUMPS	2-FW-001	2	C-H	C7.80	10/9/1999	
12050-SPM-102A-2-2	AUXILIARY FEED PUMPS	2-FW-002	2	C-H	C7.40	10/9/1999	
12050-SPM-102A-2-2	AUXILIARY FEED PUMPS	2-FW-002	2	C-H	C7.80	10/9/1999	
12050-SPM-102A-2-3	AUXILIARY FEED PUMPS	2-FW-003	2	C-H	C7.40	10/9/1999	
12050-SPM-102A-2-3	AUXILIARY FEED PUMPS	2-FW-003	2	C-H	C7.80	10/9/1999	
12050-SPM-102A-2-4	AUXILIARY FEED PUMPS	2-FW-001	2	C-H	C7.40	10/9/1999	
12050-SPM-102A-2-4	AUXILIARY FEED PUMPS	2-FW-001	2	C-H	C7.80	10/9/1999	
12050-SPM-102A-2-5	AUXILIARY FEED PUMPS	2-FW-002	2	C-H	C7.40	10/9/1999	
12050-SPM-102A-2-5	AUXILIARY FEED PUMPS	2-FW-002	2	C-H	C7.80	10/9/1999	
12050-SPM-102A-2-6	AUXILIARY FEED PUMPS	2-FW-003	2	C-H	C7.40	10/9/1999	
12050-SPM-102A-2-6	AUXILIARY FEED PUMPS	2-FW-003	2	C-H	C7.80	10/9/1999	
12050-SPM-102B-1-1	AUXILIARY FEED PUMPS	2-FW-001	2	C-H	C7.40	10/9/1999	
12050-SPM-102B-1-1	AUXILIARY FEED PUMPS	2-FW-001	2	C-H	C7.80	10/9/1999	
12050-SPM-102B-1-2	AUXILIARY FEED PUMPS	2-FW-002	2	C-H	C7.40	10/9/1999	
12050-SPM-102B-1-2	AUXILIARY FEED PUMPS	2-FW-002	2	C-H	C7.80	10/9/1999	
12050-SPM-102B-1-3	AUXILIARY FEED PUMPS	2-FW-003	2	C-H	C7.40	10/9/1999	
12050-SPM-102B-1-3	AUXILIARY FEED PUMPS	2-FW-003	2	C-H	C7.80	10/9/1999	
12050-SPM-102B-1-4	2-RC-E-1A, SG WET LAY-UP PEN. 32	2-WT-001	2	C-H	C7.40	9/22/1999	PENETRATION 32
12050-SPM-102B-1-4	2-RC-E-1A, SG WET LAY-UP PEN. 32	2-WT-001	2	C-H	C7.80	9/22/1999	PENETRATION 32
12050-SPM-102B-1-5	2-RC-E-1BA, SG WET LAY-UP PEN. 100	2-WT-002	2	C-H	C7.40	9/22/1999	PENETRATION 100
12050-SPM-102B-1-5	2-RC-E-1BA, SG WET LAY-UP PEN. 100	2-WT-002	2	C-H	C7.80	9/22/1999	PENETRATION 100
12050-SPM-102B-1-6	2-RC-E-1BA, SG WET LAY-UP PEN. 108	2-WT-003	2	C-H	C7.40	9/22/1999	PENETRATION 108
12050-SPM-102B-1-6	2-RC-E-1BA, SG WET LAY-UP PEN. 108	2-WT-003	2	C-H	C7.80	9/22/1999	PENETRATION 108
13075-SPM-093D-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.11	10/9/1999	PENETRATION 55.
13075-SPM-093D-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	PENETRATION 55.
13075-SPM-093D-1-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	PENETRATION 55.
13075-SPM-093D-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.51	10/9/1999	PENETRATION 117.
13075-SPM-093D-2-1	REACTOR COOLANT SYSTEM	2-RC-001	1	B-P	B15.71	10/9/1999	PENETRATION 117.

Corrections to previous NIS-1 Reports

A review of Period 1 and 2 system pressure test records and NIS-1 reports during that period found that the following test were not reported as completed.

ZONE NO	SPT NO	ASME CLASS	CATE-GORY	ITEM NO	COMPL DATE
11715-SPB-006A-2-1	2-HV-201	2	C-H	C7.30	4/18/1992
11715-SPB-006A-2-1	2-HV-201	2	C-H	C7.70	4/18/1992
11715-SPB-006A-2-2	2-HV-202	2	C-H	C7.30	4/18/1992
11715-SPB-006A-2-2	2-HV-202	2	C-H	C7.70	4/18/1992
11715-SPM-088A-3-1	2-RP-201	2	C-H	C7.30	3/17/1992
11715-SPM-088A-3-1	2-RP-201	2	C-H	C7.70	3/17/1992
11715-SPM-088A-3-2	2-RP-202	2	C-H	C7.30	3/17/1992
11715-SPM-088A-3-2	2-RP-202	2	C-H	C7.70	3/17/1992
12050-SPB-104A-1-1	2-FP-201	2	C-H	C7.30	3/08/1992
12050-SPB-104A-1-1	2-FP-201	2	C-H	C7.70	3/08/1992
12050-SPM-074A-1-1	2-FW-204	2	C-H	C7.10	12/20/1993
12050-SPM-074A-1-1	2-FW-204	2	C-H	C7.30	12/20/1993
12050-SPM-074A-1-1	2-FW-204	2	C-H	C7.70	12/20/1993
12050-SPM-074A-1-2	2-FW-202	2	C-H	C7.10	12/02/1993
12050-SPM-074A-1-2	2-FW-202	2	C-H	C7.30	12/02/1993
12050-SPM-074A-1-2	2-FW-202	2	C-H	C7.70	12/02/1993
12050-SPM-074A-1-3	2-FW-203	2	C-H	C7.10	12/20/1993
12050-SPM-074A-1-3	2-FW-203	2	C-H	C7.30	12/20/1993
12050-SPM-074A-1-3	2-FW-203	2	C-H	C7.70	12/20/1993
12050-SPM-082C-2-1	2-CA-205	2	C-H	C7.30	3/18/1992
12050-SPM-082C-2-1	2-CA-205	2	C-H	C7.70	3/18/1992
12050-SPM-082C-2-1	2-CA-005	2	C-H	C7.40	3/28/1995
12050-SPM-082C-2-1	2-CA-005	2	C-H	C7.80	3/28/1995
12050-SPM-082F-2-1	2-CA-202	2	C-H	C7.30	4/14/1992
12050-SPM-082F-2-1	2-CA-202	2	C-H	C7.70	4/14/1992
12050-SPM-089A-3-1	2-FW-201	2	C-H	C7.30	2/26/1992
12050-SPM-089A-3-1	2-FW-201	2	C-H	C7.70	2/26/1992
12050-SPM-089A-3-2	2-FW-202	2	C-H	C7.30	2/26/1992
12050-SPM-089A-3-2	2-FW-202	2	C-H	C7.70	2/26/1992
12050-SPM-089A-3-3	2-FW-203	2	C-H	C7.30	2/26/1992
12050-SPM-089A-3-3	2-FW-203	2	C-H	C7.70	2/26/1992
12050-SPM-089B-1-2	2-RC-201	2	C-H	C7.30	3/17/1992
12050-SPM-089B-1-2	2-RC-201	2	C-H	C7.70	3/17/1992
12050-SPM-090A-3-3	2-DA-204	2	C-H	C7.30	3/16/1992
12050-SPM-090A-3-3	2-DA-204	2	C-H	C7.70	3/16/1992
12050-SPM-091A-3-2	2-RS-202	2	C-H	C7.30	9/24/1993
12050-SPM-091A-3-2	2-RS-202	2	C-H	C7.50	9/24/1993
12050-SPM-091A-3-2	2-RS-202	2	C-H	C7.70	9/24/1993
12050-SPM-091A-4-2	2-RS-003	2	C-H	C7.30	9/12/1996
12050-SPM-091A-4-2	2-RS-003	2	C-H	C7.70	9/12/1996
12050-SPM-092A-2-3	2-CV-203	2	C-H	C7.30	3/12/1992
12050-SPM-092A-2-3	2-CV-203	2	C-H	C7.70	3/12/1992
12050-SPM-093A-1-3	2-CH-205	1	B-P	B15.50	10/26/1993
12050-SPM-093A-1-3	2-CH-205	1	B-P	B15.50	4/21/1992
12050-SPM-093A-1-3	2-CH-205	1	B-P	B15.70	10/26/1993
12050-SPM-093A-1-3	2-CH-205	1	B-P	B15.70	4/21/1992
12050-SPM-093A-2-3	2-CH-205	1	B-P	B15.50	10/26/1993
12050-SPM-093A-2-3	2-CH-205	1	B-P	B15.50	4/21/1992
12050-SPM-093A-2-3	2-CH-205	1	B-P	B15.70	10/26/1993
12050-SPM-093A-2-3	2-CH-205	1	B-P	B15.70	4/21/1992
12050-SPM-093A-3-4	2-CH-205	1	B-P	B15.50	10/26/1993
12050-SPM-093A-3-4	2-CH-205	1	B-P	B15.50	4/21/1992
12050-SPM-093A-3-4	2-CH-205	1	B-P	B15.70	4/21/1992
12050-SPM-093A-3-4	2-CH-205	1	B-P	B15.70	10/26/1993
12050-SPM-094A-2-1	2-SI-202	1	B-P	B15.50	4/21/1992
12050-SPM-094A-2-1	2-SI-202	1	B-P	B15.70	4/21/1992
12050-SPM-094A-2-1	2-SI-202	1	B-P	B15.50	10/26/1993
12050-SPM-094A-2-1	2-SI-202	1	B-P	B15.70	10/26/1993

12050-SPM-094A-2-2	2-SI-203	1	B-P	B15.50	10/26/1993
12050-SPM-094A-2-2	2-SI-203	1	B-P	B15.50	4/21/1992
12050-SPM-094A-2-2	2-SI-203	1	B-P	B15.70	4/21/1992
12050-SPM-094A-2-2	2-SI-203	1	B-P	B15.70	10/26/1993
12050-SPM-095C-1-1	2-CH-202	1	B-P	B15.40	4/21/1992
12050-SPM-095C-1-1	2-CH-202	1	B-P	B15.40	10/26/1993
12050-SPM-095C-1-1	2-CH-202	1	B-P	B15.50	4/21/1992
12050-SPM-095C-1-1	2-CH-202	1	B-P	B15.50	10/26/1993
12050-SPM-095C-1-1	2-CH-202	1	B-P	B15.70	4/21/1992
12050-SPM-095C-1-1	2-CH-202	1	B-P	B15.70	10/26/1993
12050-SPM-095C-1-4	2-CH-205	1	B-P	B15.50	4/21/1992
12050-SPM-095C-1-4	2-CH-205	1	B-P	B15.50	10/26/1993
12050-SPM-095C-1-4	2-CH-205	1	B-P	B15.70	10/26/1993
12050-SPM-095C-1-4	2-CH-205	1	B-P	B15.70	4/21/1992
12050-SPM-095C-1-6	2-CH-203	1	B-P	B15.50	4/21/1992
12050-SPM-095C-1-6	2-CH-203	1	B-P	B15.50	10/26/1993
12050-SPM-095C-2-3	2-CH-206	1	B-P	B15.50	10/26/1993
12050-SPM-095C-2-3	2-CH-206	1	B-P	B15.50	4/21/1992
12050-SPM-095C-2-3	2-CH-206	1	B-P	B15.70	4/21/1992
12050-SPM-095C-2-3	2-CH-206	1	B-P	B15.70	10/26/1993
12050-SPM-095C-2-4	2-CH-206	1	B-P	B15.50	10/26/1993
12050-SPM-095C-2-4	2-CH-206	1	B-P	B15.50	4/21/1992
12050-SPM-095C-2-4	2-CH-206	1	B-P	B15.70	4/21/1992
12050-SPM-095C-2-4	2-CH-206	1	B-P	B15.70	10/26/1993
12050-SPM-095C-2-5	2-CH-206	1	B-P	B15.50	4/21/1992
12050-SPM-095C-2-5	2-CH-206	1	B-P	B15.50	10/26/1993
12050-SPM-095C-2-6	2-CH-204	1	B-P	B15.50	2/26/1992
12050-SPM-095C-2-6	2-CH-204	1	B-P	B15.50	10/26/1993
12050-SPM-095C-2-6	2-CH-204	1	B-P	B15.60	2/26/1992
12050-SPM-095C-2-6	2-CH-204	1	B-P	B15.60	10/26/1993
12050-SPM-096B-4-5	2-SI-211	1	B-P	B15.50	10/26/1993
12050-SPM-096B-4-5	2-SI-211	1	B-P	B15.50	4/21/1992
12050-SPM-096B-4-5	2-SI-211	1	B-P	B15.70	10/26/1993
12050-SPM-096B-4-5	2-SI-211	1	B-P	B15.70	4/21/1992
12050-SPM-096B-4-7	2-SI-214	1	B-P	B15.50	4/21/1992
12050-SPM-096B-4-7	2-SI-214	1	B-P	B15.50	10/26/1993
12050-SPM-096B-4-7	2-SI-214	1	B-P	B15.70	10/26/1993
12050-SPM-096B-4-7	2-SI-214	1	B-P	B15.70	4/21/1992
12050-SPM-102B-1-4	2-WT-201	2	C-H	C7.30	3/18/1992
12050-SPM-102B-1-4	2-WT-201	2	C-H	C7.70	3/18/1992
12050-SPM-102B-1-5	2-WT-202	2	C-H	C7.30	3/18/1992
12050-SPM-102B-1-5	2-WT-202	2	C-H	C7.70	3/18/1992
12050-SPM-102B-1-6	2-WT-203	2	C-H	C7.30	3/18/1992
12050-SPM-102B-1-6	2-WT-203	2	C-H	C7.70	3/18/1992

The following errors were found in past NIS-1 reports:

System pressure test 2–CC–207 was incorrectly reported in the 1992 report as 2–CC–206.

System pressure test 2–MS–204 was incorrectly reported in the 1993 report as Class 2. It is actually Class 3.

System pressure test 2–RS–205 was reported in both the 1992 and 1993 NIS–1 reports. The date of record is 12/8/93.

**Abstract of Examinations Performed
Of Pressure Retaining Bolting
Per Relief Request SPT-12**

Relief request SPT-12 allows for the visual (VT-2) testing of Class 1 and Class 2 bolting in systems containing boric acid, and located in containment to be tested at zero or static pressure. This was accomplished using procedure 2-PT-48, Revision 011. The following is a summary of the reportable indications and corrective actions:

2-RC-MOV-2592:	Boric acid was present on bolting and determined to have originated at a packing leak and traveled down the valve bonnet and onto the studs and nuts. The bolting was evaluated per relief request SPT-14 and found not to be degraded.
2-RC-PCV-2455A:	Packing leak. The packing was replaced under work order 00414600-01 and completed on 9-23-99.
2-RC-PCV-2455B:	Packing leak. The packing was replaced under work order 00415829-01 and completed on 9-23-99.
2-RC-P-1C:	Seal leak. The bolting was replaced under work order 00417140-01 and completed on 9-28-99.
2-RC-HCV-2556A:	Body to bonnet leak and packing leak. The bolting was removed, examined, and reinstalled under work order 00417248-01 and completed on 9-19-99.
2-RC-HCV-2557C:	Packing leak. The packing was adjusted under work order 00417480-01 and completed on 9-23-99.
2-CH-HCV-2200B	Packing leak. The packing was adjusted under work order 00417157-05 and completed on 9-17-99.

Class 2 bolting in systems containing boric acid was examined in accordance with 2-PT-48.1, Revision 003 and 2-PT-48.2 Revision 001. The following is a summary of the reportable indications and corrective actions:

2-RH-25:	Body to bonnet leak. The bolting was removed, examined, and reinstalled under work order 00417201-01 and completed on 9-22-99.
2-RH-FCV-2605:	Packing leak. The packing was adjusted under work order 00417182-01 and completed on 9-22-99.

2-RH-RV-2721B:	Body plug leak. The plug was removed, threads cleaned, and reinstalled under work order 00417360-01 and completed on 9-22-99.
2-RH- 34:	Packing leak. The packing was replaced under work order 00417209-01 and completed on 9-24-99.
2-CH-FE-2156B:	Flange leak. The bolting was replaced under work order 00417286-01 and completed on 9-25-99.
2-CH-TV-2204B:	Packing leak. The packing was replaced under work order 00417363-01 and completed on 9-23-99.

Abstract of Examinations

Snubber Program

A total of 93 small bore snubbers were replaced as part of the normal Technical Specification Functional Test Program. There were no functional test failures in the 93 small bore snubbers functionally tested under this program.

No visual discrepancies were identified. One snubber, 2-FW-HSS-225, was visually reinspected and found to be satisfactory. The reinspection was the result of this snubber failing visual inspection last outage.

Small bore snubber removal and installation for the Technical Specification Functional Testing and Visual Inspection Programs are considered maintenance activities and are not ASME Section XI repairs and replacements. For this reason the ANII was not involved in review of the functional or visual programs.

Two large bore snubbers were scheduled for functional testing as part of normal surveillance (2-RC-HSS-3A and 2-RC-HSS-11B). Seven other large bore snubbers were functionally tested as a result of failing functional testing during the previous outage (2-RC-HSS-1A, 1B, 3C, 10B, 10C, 11A, and 11C). These nine large bore snubbers satisfactory passed functional testing.

Abstract of Examinations

Eddy Current Examinations Of Nonferromagnetic Steam Generator Tubing

Examination Scope

The inservice eddy current examination was performed on Unit 2 Steam Generator (S/G) "B". The base inspection consisted of a total of 1796 tubes that were inspected with a bobbin probe over their full length.

The inspections also consisted of the following rotating pancake coil (RPC) examinations:

- **20% hot leg top of tubesheet 3-coil RPC testing (719 tubes), and**
- **20% Row 1 U-bend single coil RPC testing (20 tubes) inspection.**

Plugged Tubes

No tubes were plugged as a result of this inspection

Inspection Results

No tubing wear at Anti-vibration Bar (AVB) contact points was observed even at the initial level of approximately 10% thru-wall (TW). These results are consistent with the experience in the industry regarding the initiation of AVB indications in earlier F-type steam generators. Industry experience indicates that AVB indications typically begin to be detected at approximately the 4th to 5th cycle of operation.

No volumetric like signals such as the one found on Unit 1 in the Fall 98 inspection were found during the current inspection of Unit 2.

A total of 25 Manufacturing Buff Mark (MBM) signals were observed in a total of 17 tubes. The MBM signals were typical of those observed on baseline inspections. All MBM signals were resolved through comparison of signals with baseline results per the analysis guidelines

No evidence of tube degradation of any sort was identified during this inspection.

Summary and Conclusion

Overall condition assessments have been performed and included in the North Anna Steam Generator Monitoring and Inspection Program Plan. Performance criteria have been established in the North Anna Steam Generator Monitoring and Inspection Program Plan. The inspection performed on the "B" steam generator was consistent

with the Program Plan and the results formed the basis of the condition monitoring and operational assessment performed for this outage.

Acceptable tube integrity at the end of the current operating cycle has been demonstrated by these inspection results. Condition monitoring and operational assessment requirements on burst pressure and accident condition leak rates are satisfied.

Abstract of Examinations

Containment Inservice Inspection

I. The requirements of 10 CFR 50.55a(b)(ix)(E) state for Class CC applications, that the licensee shall evaluate the acceptability of inaccessible areas when conditions exist in accessible areas that could indicate the presence of or result in degradation to such inaccessible areas. For each inaccessible area identified, the licensee shall provide the following in the ISI Summary Report required by IWA-6000:

1) A description of the type and estimated extent of degradation, and the conditions that led to the degradation;

Discovery of a blister in the liner protective coating at about the 246 foot elevation near column 5 and subsequent removal of the blister revealed a corroded spot under the paint. Probing of the approximately ¼ inch diameter corroded spot revealed a deep pit believed to be through wall. Subsequent pressure testing confirmed the hole to be through the liner. UT thickness measurements made in the vicinity of the hole on a 2 inch X 2 inch grid, revealed anomalous readings that were not indicative of the suspected corrosion mechanism and prompted the removal of a 5 inch X 7 inch piece of the liner roughly centered on the hole and another about 3 inch diameter piece of the liner a short distance from the hole. Examination of the removed pieces revealed, contrary to expectation, that corrosion had occurred from the inside of the liner to the outside. There had actually been extensive corrosion of the liner material in contact with the concrete. Examination of the exposed concrete surface revealed the presence of a piece of wood, subsequently determined to be a 4 inch X 4 inch timber, approximately 6 feet in length, which had been in contact with the liner at the location of the hole. The 4X4 was embedded in the concrete and appears to have been present since the initial concrete placement.

2) An evaluation of each area, and the result of the evaluation;

The location and size of the 4X4 was determined by combining visual examinations, UT thickness measurements of liner degradation and mechanical probes. The concrete structure was assessed as being affected slightly, but retaining the required minimum design.

3) A description of necessary corrective actions;

The 4X4 was removed and the concrete void was grouted.

II (a). The requirements of 10 CFR 50.55a(b)(x)(A) state for Class MC applications, that the licensee shall evaluate the acceptability of inaccessible areas when conditions exist in accessible areas that could indicate the presence of or result

in degradation to such inaccessible areas. For each inaccessible area identified, the licensee shall provide the following in the ISI Summary Report required by IWA-6000:

1) A description of the type and estimated extent of degradation, and conditions that led to the degradation;

Discovery of a blister in the liner protective coating at about the 246 foot elevation near column 5 and subsequent removal of the blister revealed a corroded spot under the paint. Probing of the approximately ¼ inch diameter corroded spot revealed a deep pit believed to be through wall. Subsequent pressure testing confirmed the hole to be through the liner. UT thickness measurements made in the vicinity of the hole on a 2 inch X 2 inch grid, revealed anomalous readings that were not indicative of the suspected corrosion mechanism and prompted the removal of a 5 inch X 7 inch piece of the liner roughly centered on the hole and another about 3 inch diameter piece of the liner a short distance from the hole. Examination of the removed pieces revealed, contrary to expectation, that corrosion had occurred from the inside of the liner to the outside. There had actually been extensive corrosion of the liner material in contact with the concrete. Examination of the exposed concrete surface revealed the presence of a piece of wood, subsequently determined to be a 4 inch X 4 inch timber, approximately 6 feet in length, which had been in contact with the liner at the location of the hole. The 4X4 was embedded in the concrete and appears to have been present since the initial concrete placement.

Analysis of the removed steel indicates that the contact of the liner plate with the wood timber interfered with the normal tendency for concrete's alkalinity to inhibit corrosion of embedded steel. The occlusion of the surface at the point of contact between steel and timber created a point of active corrosion, undoubtedly influenced by the residual moisture in the wood. There is evidence that the influence of the wood was felt beyond the point of closest contact. Presumably this was because of the less than optimal concrete to steel interface that would have occurred due to the presence of the obstruction to effective consolidation of the concrete in the area caused by the wood.

2) An evaluation of each area, and the result of the evaluation;

UT thickness readings were made on an extended area on either side of the hole location using a 1 inch X 1 inch inspection grid. The inspection revealed a pattern of lower than the constructed minimum (0.375 inch) thicknesses in a band about 18 inch high by about 8 foot long extending both directions from the hole. Based on an analyzed minimum acceptable wall thickness in the area of 0.250 inch, and to aid removal of the wood from the wall, sections of liner about 10 inches long and 3 inches high were removed along the band of low readings. One additional section about 4 X 4 inch area with a measured wall thickness less than 0.250 inch was also removed.

3) A description of necessary corrective actions;

All of the liner plate requiring replacement at elevation 246 feet and column 5 was replaced prior to restart. Some degraded plate, that is, liner exhibiting less than the constructed minimum 0.375 inch wall thickness but still thicker than the 0.250 inch minimum acceptable wall thickness, remains in the area. To confirm that the removal of the 4 X 4 has eliminated the corrosion mechanism, it was necessary to establish baseline thickness readings on the unremoved material and to monitor those areas for the next 3 ISI periods by UT performing thickness measurements.

II (b). The requirements of 10 CFR 50.55a(b)(x)(A) state for Class MC applications, the licensee shall evaluate the acceptability of inaccessible areas when conditions exist in accessible areas that could indicate the presence of or result in degradation to such inaccessible areas. For each inaccessible area identified, the licensee shall provide the following in the ISI Summary Report required by IWA-6000:

1) A description of the type and estimated extent of degradation, and conditions that led to the degradation;

During the Code required General Visual examination it was noted that there were a number of areas at the interface of the containment steel liner with the concrete floor where there was evidence of some apparent rust. The rust was apparently the result of atmospheric humidity or possibly surface moisture being in contact with the carbon steel over the years of operation.

2) An evaluation of each area, and the result of the evaluation;

Initial assessment indicated the advisability of removing some concrete in a sample of the questionable areas to more effectively evaluate the condition. Four areas at the liner to floor interface varying in length from about 4 inches to about 24 inches were excavated in the concrete with a chipping hammer to an initial depth of about 1 inch and a width of about 1 inch. The excavated areas were cleaned of debris and visually examined. In all cases there was evidence of some rust bloom or stain on the steel surface below the level of the floor for a short distance. The rust was not thick or scale like, nor particularly tightly adherent. In two of the excavations the rust appeared to continue deeper than the initial 1 inch excavation and additional excavation was performed. In one of these areas the removal of about an additional 1 inch of concrete for a length of about 12 inches exposed uncorroded liner steel. In the about 4 inch long excavation the removal of about another 2 inches of concrete more than reached the limit of any corrosion.

Wall thickness measurements were made in a grid pattern along the length of the excavations. Wall thicknesses of the constructed minimum 0.375 inch liner plate varied from about 0.365 inch to about 0.400 inch indicating the maximum wall loss that may have occurred is about 0.035 inch, which agrees well with the observation of little or no visible loss of metal from the liner.

There was one location in an excavated area located about 210 inches from column 6 towards column 7 and about ½ inch below the floor level that exhibited a wall thickness as thin as 0.282 inch. The spot was about 1 inch long and ¼ inch wide. Since it was visibly evident that there was little or no loss of wall on the inside of the liner, because the variation in thickness in the area was not consistent with a plate lamination, and based on the assessment by NDE personnel, it was concluded that the area probably represents a local thinning on the outside surface of the liner plate such as might have been caused by a gouge during erection. Analysis of the effect of the thinned area indicates that the structural and leak tight integrity of the liner is maintained.

The assessment of the four excavated areas reveals that there has been very little general loss of liner wall thickness (about a maximum of 0.035 inch) in the approximately 18 years of operation of NAPS Unit 2 at the liner to floor interface. Additionally, it is apparent that the depth of the corrosion process is minimal, extending a maximum of about 3 inches below the level of the floor. Based on the areas examined, there is no concern relative to the structural integrity or leak tightness of the liner. Consequently, it is concluded that based on a possible average corrosion rate less than 0.002 inch a year, continued operation of the unit while the rest of the identified liner to floor interface areas of concern remain unrepaired is acceptable because the liner will continue to be fully capable of performing its design function, i.e. preventing leakage of containment atmosphere to the environment.

3) A description of necessary corrective actions;

The area with the indicated 0.282 wall thickness should be monitored for the next 3 ISI Periods to verify that no corrosion between the steel liner and containment wall is occurring by performing UT thickness measurements. Therefore repair of the concrete floor in the areas shall be postponed until such time as it has been demonstrated that the indication is not growing. The protective coatings on the liner have been repaired. It is necessary to reinspect the area through the paint to establish a baseline for future comparison. Finally, the excavation in the concrete floor has the potential to collect water, which might promote corrosion. Normal outage walk downs should assure the area stays dry.

Attachment 2

Inservice Inspection Summary Report

North Anna Power Station Unit 2

P.O. Box 402

Mineral, Virginia 23117

1999 Refueling Outage Owner's Report of Repairs and Replacements and NIS-2 Forms

Commercial Service Date 12-14-80

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, 1986 Edition.

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

RR# 96-202, replaced valve 2-MS-41 due to leakby, Class 2. This replacement was performed under work order 00318988-02, and completed on 9/20/99.

RR# 97-436, replaced valve 2-MS-57 which had been previously injected with furmanite, Class 2. This replacement was performed under work order 00377155-01, and completed on 9/24/99.

RR# 97-437, replaced valve 2-MS-18 which had been previously injected with furmanite, Class 2. This replacement was performed under work order 00377141-01, and completed on 9/29/99.

RR# 97-438, replaced valve 2-MS-353 which had been previously injected with furmanite, Class 2. This replacement was performed under work order 00377156-01, and completed on 9/27/99.

RR# 97-440, replaced valve 2-MS-19 which had been previously injected with furmanite, Class 2. This replacement was performed under work order 00376840-01, and completed on 9/25/99.

RR# 97-441, replaced valve 2-MS-58 which had been previously injected with furmanite, Class 2. This replacement was performed under work order 00379155-01, and completed on 9/25/99.

RR# 98-305, replaced a nonqualified shim plate on support 2-CH-PH-R-409.10, Class 1. This replacement was performed under work order 00398197-01, and completed on 9/22/99.

RR# 99-031, replaced body to bonnet bolting during repair for seat leakby on valve 2-SI-MOV-2860B, Class 2. This replacement was performed under work order 00407140-01, and completed on 9/23/99.

RR# 99-057, replaced bolting and packing due to boric acid on threads from a packing leak on valve 2-QS-MOV-201B, Class 2. This replacement was performed under work order 00399491-01, and completed on 9/27/99.

RR# 99-059, replaced damaged hilti nuts on support 2-SI-R-57, Class 2. This replacement was performed under work order 00411244-01, and completed on 5/28/99.

RR# 99-110, replaced bolting during inspection of internals for valve 2-RC-HCV-2535, Class 1. This replacement was performed under work order 00417388-01, and completed on 9/23/99.

RR# 99-111, machined 0.015" off of bonnet at the body to bonnet surface to restore seating surface for valve 2-MS-258, Class 2. This repair was performed under work order 00399881-01, and completed on 9/23/99.

RR# 99-113, replaced disc insert due to normal wear and machined nozzle and spring washer to restore design on valve 2-MS-SV-201B, Class 2. This replacement was performed under work order 00402597-01, and completed on 9/28/99.

RR# 99-114, replaced adjusting bolt and nut found defective during disassembly. Machined spring washer to restore design on valve 2-MS-SV-205B, Class 2. This replacement was performed under work order 00402609-01, and completed on 9/27/99.

RR# 99-115, replaced disc insert due to normal wear and machined spring washer to restore design dimensions on valve 2-MS-SV-204B, Class 2. This replacement was performed under work order 00402606-01, and completed on 9/27/99.

RR# 99-116, machined spring washer to restore design dimensions on valve 2-MS-SV-202B, Class 2. This replacement was performed under work order 00402600-01, and completed on 9/27/99.

RR# 99-117, machined spring washer to restore design dimensions on valve 2-MS-SV-203B, Class 2. This replacement was performed under work order 00402603-01, and completed on 9/27/99.

RR# 99-119, replaced valve 2-MS-121 found to be unacceptable during check valve inspection and installed shim plate on support 2-SHP-RH-136, Class 2. The replacements were performed under work order 00402572-02, and completed on 9/23/99. Plant Issue 1999-2583 was written for shim plate not being included in repair and replacement program.

RR# 99-122, replaced spring on valve 2-RC-SV-2551A due to failure of spring rate test, Class 1. This replacement was performed under work order 00402651-01, and completed on 10/1/99. Valve passed the as-found set pressure test.

RR# 99-123, replaced spring on valve 2-RC-SV-2551B due to failure of spring rate test, Class 1. This replacement was performed under work order 00402652-01, and completed on 10/1/99. Valve passed the as-found set pressure test.

RR#99-127, replaced disc insert due to normal wear and machined nozzle and spring washer to restore design on valve 2-MS-SV-201C, Class 2. This replacement was performed under work order 00402598-01, and completed on 9/28/99.

RR# 99-128, replaced disc insert due to normal wear on valve 2-MS-SV-204C, Class 2. This replacement was performed under work order 00402607-01, and completed on 9/27/99.

RR# 99-129, replaced disc insert due to normal wear on valve 2-MS-SV-205C, Class 2. This replacement was performed under work order 00402610-01, and completed on 9/27/99.

RR# 99-130, bored out adjusting bolt threads, welded area, and tapped adjusting bolt threads on valve 2-MS-SV-205B, Class 2. This repair was performed under work order 00402609-01, and completed on 9/23/99.

RR# 99-135, replaced plug on valve 2-RC-PCV-2455C due to leakby, Class 1. This replacement was performed under work order 00410714-01, and completed on 9/29/99.

RR# 99-138, replaced flange studs and nuts on valve 2-RC-SV-2551C with improved design, Class 1. This replacement was performed under work order 00402653-02, and completed on 10/1/99.

RR# 99-139, replaced flange studs and nuts on valve 2-RC-SV-2551B with improved design, Class 1. This replacement was performed under work order 00402652-02, and completed on 10/1/99.

RR# 99-140, replaced flange studs and nuts on valve 2-RC-SV-2551A with improved design, Class 1. This replacement was performed under work order 00402651-01, and completed on 10/1/99.

RR# 99-141, replaced studs and nuts due to flange leak on flow element 2-CH-FE-2156B, Class 2. This replacement was performed under work order 00417286-01, and completed on 9/25/99.

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 18, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 96-202 Work Order 318988-02 (Repair Organization P.O. No. Job No., etc.)

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

Authorization No. N/A

5000 Dominion Blvd., Glen Allen, VA 23060 (Address) — Expiration Date N/A

4. Identification of System Main Steam, 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 1986 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)
1 ½" Globe Valve	Henry Vogt Machine Co.	4-217108	N/A	2-MS-41	1995	Replacement	No

7. Description of Work Replaced valve due to leakby.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 1000 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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Pat J Naught ISI Engineer Date October 18, 19 99
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/11/96 to 10/18/99, 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.

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

Date 10/18 19 99

JWR
12/15/99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   Date October 13, 1999
   5000 Dominion Blvd., Glen Allen, VA 23060 (Address)
   Sheet 1 of 1
2. Plant North Anna Power Station (Name)
   Unit: 2
   P.O. Box 402, Mineral, VA 23117 (Address)
   R/R 97-436 Work Order 377155-01 (Repair Organization P.O. No. Job No., etc.)
3. Work Performed By Virginia Electric & Power Company (Name)
   Type Code Symbol Stamp N/A
   Authorization No. N/A
   5000 Dominion Blvd., Glen Allen, VA 23060 (Address)
   Expiration Date N/A
4. Identification of System Main Steam, 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 1986 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)
3" Gate Valve	Velan	Serial # 11228	N/A	2-MS-57	1998	Replacement	No
3" Pipe	Consolidated Power Supply	Ht. # Y67155	N/A	2-MS-57	1998	Replacement	No

7. Description of Work Replaced valve previously injected with furmanite.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure 1000 psi Test Temp. NA °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

Change from original manufacture justified by FEER NV637010.A00

ET-CEM-98-0001 Rev 0 Seismic Evaluation

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 Naught ISI Engineer Date October 13, 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 12/30/97 to 10/18/99, 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.

M M Hunt Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/18/ 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 (Name) — Date October 12, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 97-437 Work Order 377141-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Main Steam, 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 1986 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)
3" Globe Valve	Velan	Serial # 205	N/A	2-MS-18	1999	Replacement	No
3" Pipe	Consolidated Power Supply	Ht. # Y67155	N/A	2-MS-18	1998	Replacement	No

7. Description of Work Replaced valve previously injected with furmanite.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure 1000 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

Change from original manufacturer justified by IEER NV637010. A00

ET CEM 98-0001 Rev 0 Seismic Evaluation

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Pat J Naught ISI Engineer Date October 13, 19 99
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by 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 10/19/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M M Hunt Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/19 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 13, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 97-438 Work Order 377156-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Main Steam, 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 1986 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)
3" Globe Valve	Velan	Serial # 13246	N/A	2-MS-353	1998	Replacement	No
3" Pipe	Consolidated Power Supply	Ht. # Y67155	N/A	2-MS-353	1998	Replacement	No
3" Elbow	Energy & Process Corp.	Ht. # G353A	N/A	2-MS-353	1998	Replacement	No

7. Description of Work Replaced valve previously injected with furmanite.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 1000 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks Code Case N-416-1 was invoked for this replacement.

Applicable Manufacturer's Data Reports to be attached

Change in original manufacture justified by IEER NV637011.A00

Seismic Evaluation ET CEM-98-0001 Rev 0

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Patrick J Naughton (Owner or Owner's Designee, Title) ISI Engineer Date October 13, 1999

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 10/19/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M M Lacy (Inspector's Signature) Commissions VA424-R (National Board, State, Province, and Endorsements)

Date 10/19 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 (Name) — Date October 18, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 97-440 Work Order 376840-01 (Repair Organization P.O. No. Job No. , etc.)

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

Authorization No. N/A

5000 Dominion Blvd., Glen Allen, VA 23060 (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 1986 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)
3" Bonnet	Crane Nuclear, Inc.	Serial # C7451	N/A	2-MS-19	1998	Replacement	No
¾" Heavy Hex Nuts	Mackson, Inc.	Ht. # 33863PE	N/A	2-MS-19	1997	Replacement	No
¾" Studs	Mackson, Inc.	Ht. # 05309	N/A	2-MS-19	1998	Replacement	No

7. Description of Work Replaced valve bonnet previously injected with furmanite.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 1000 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.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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 repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Patrick Naughton ISI Engineer Date October 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 12/30/97 to 10/18/99, 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.

M M Hess Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/18 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 (Name) — Date October 13, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 97-441 Work Order 379155-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 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 1986 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)
3" Bonnet	Crane Nuclear, Inc.	Serial # C7450	N/A	2-MS-58	1998	Replacement	No
¾" Heavy Hex Nuts	Mackson, Inc.	Ht. # 16409JI	N/A	2-MS-58	1997	Replacement	No
¾" Studs	Mackson, Inc.	Ht. # 05309	N/A	2-MS-58	1998	Replacement	No

7. Description of Work Replaced valve bonnet previously injected with furmanite.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure 1000 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 _____
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 repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Pat J Naught ISI Engineer Date October 13, 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 12/30/97 to 10/18/99, 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.

M M Hua Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/18 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 (Name) — Date September 29, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 98-305 Work Order 398197-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Chemical and Volume Control, Class 1

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 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)
1/8" Carbon Steel Plate	Energy and Process Corp.	Heat # 402S5412	N/A	2-CH-PH-R-409.10	1997	Replacement	No

7. Description of Work Replaced nonqualified shim plate.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ PJN 9/30/99 MK 9/30/99
   Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets 9in form of lists, sketches, or drawings may be used, provided (1) size is $8^1/_2$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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 repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Pat J Naught ISI Engineer Date September 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 10/7/98 to 9/30/99, 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.

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

Date 9/30 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 December 14, 1999
   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 99-031 Work Order 407140-01
   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 Safety Injection, 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 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)
¾" Nuts	Mackson, Inc.	Ht # 33863PE	N/A	2-SI-MOV-2860B	1999	Replacement	No
¾" Studs	Mackson, Inc.	Ht # 72635	N/A	2-SI-MOV-2860B	1999	Replacement	No

7. Description of Work Replaced body to bonnet bolting during repair for leak by.

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 Other construction codes MSS-SP-66 1968, MSS-SP-61 1968
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 repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Pat J Naught ISI Engineer Date October 5, 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 4/5/99 to 10/6/99, 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. Hum Commissions VA 424-E
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct 6 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 18, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-057 Work Order 399491-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 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 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)
½" Stud	Mackson	Heat # 2126157	N/A	2-QS-MOV-201B	1997	Replacement	No
½ Nut	Mackson	Heat # 34146PG	N/A	2-QS-MOV-201B	1999	Replacement	No

7. Description of Work Replaced bolting due to boric acid on threads from a packing 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 $8\frac{1}{2}$ 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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Peter J Naughton (Owner or Owner's Designee, Title) ISI Engineer Date October 18, 1999

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 6/1/99 to 10/19/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M M Hess (Inspector's Signature) Commissions VA424-R (National Board, State, Province, and Endorsements)

Date 10/19 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 (Name) — Date June 10, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-059 Work Order 411244-01 (Repair Organization P.O. No. Job No. , etc.)

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

Authorization No. N/A

5000 Dominion Blvd., Glen Allen, VA 23060 (Address) — Expiration Date N/A

4. Identification of System Safety Injection, 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 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)
¾" Hex Nuts	Mackson, Inc.	Heat # 98490	N/A	2-SI-R-57	1994	Replacement	No

7. Description of Work Replaced damaged hilti nuts.

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 Patrick J Naughton ISI Engineer Date June 10, 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 6/1/99 to 6/16/99, 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. Hess Commissions VA 424-R A,N,I
Inspector's Signature National Board, State, Province, and Endorsements

Date June 16 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 (Name) — Date October 4, 1999

5000 Dominion Blvd., Glen Allen, VA 23060 (Address) — Sheet 1 of 2

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-110 Work Order 417388-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Reactor Coolant, Class 1

5. (a) Applicable Construction Code ANSI 16.5 1968 Edition, _____ Addenda, _____ Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
¾" Studs	Mackson, Inc.	Ht. # 72635	N/A	2-RC-HCV-2535	1999	Replacement	No
¾" Heavy Hex Nuts	Mackson, Inc.	Ht. # 33863PE	N/A	2-RC-HCV-2535	1999	Replacement	No

7. Description of Work Replaced bolting during inspection of ~~intervals~~ intervals. RJN 10-11-99

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 repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Pat J Naught ISI Engineer Date October 4, 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 9/17/99 to 10/4/99, 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.

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

Date 10/4 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 (Name) — Date September 29, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-111 Work Order 399881-01 (Repair Organization P.O. No. Job No. , etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 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 1986 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)
3" Gate Valve	Henry Vogt Machine Co.	N/A	N/A	2-MS-258	1970	Repair	No

7. Description of Work Machined 0.015" off of bonnet at the body to bonnet surface to restore seating surface.

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Patrick Knight (Owner or Owner's Designee, Title) ISI Engineer Date September 29, 1999

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 9/19/99 to 9/30/99, 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.

M M Hess (Inspector's Signature) Commissions VA-424-R (National Board, State, Province, and Endorsements)

Date 9/30 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 (Name) — Date October 14, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-113 Work Order 402597-01 (Repair Organization P.O. No. Job No. , etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Main Steam, Class 2

5. (a) Applicable Construction Code ASME III 1968 Edition, 70 Addenda, _____ Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Main Steam Safety Valve Disc Insert	Crosby	N88473-40-0098	N/A	2-MS-SV-201B	1998	Replacement	No
Main Steam Safety Valve Spring Washers	Crosby	N/A	N/A	2-MS-SV-201B	1972	Repair	No
Main Steam Safety Valve Nozzle	Crosby	N/A	N/A	2-MS-SV-201B	1972	Repair	No

7. Description of Work Machined spring washers and nozzle to restore design dimensions. Replaced disc insert due to normal wear.

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 repair &

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

Type Code Symbol Stamp N/A

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

Signed Pat Naughton ISI Engineer Date December 2, 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 9/19/99 to 12/2/99, 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. Hunt Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/2 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 14, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-114 Work Order 402609-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Wyle Laboratories (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

7800 Highway 20 West, Huntsville, AL 35806 (Address) — Expiration Date N/A

4. Identification of System Main Steam, Class 2

5. (a) Applicable Construction Code ASME III 1968 Edition, 70 Addenda, _____ Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Adjusting Bolt	Crosby	N88479-35-0037	N/A	2-MS-SV-205B	1998	Replacement	No
Adjusting Bolt Nut	Crosby	Heat # 681A129	N/A	2-MS-SV-205B	1998	Replacement	No
Main Steam Safety Valve Spring Washers	Crosby	N/A	N/A	2-MS-SV-205B	1972	Repair	No

7. Description of Work. Replaced adjusting bolt and nut found defective during disassembly. Machined spring washer to restore desgin.

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 Change in adjusting bolt material justified by PTE NVL 00003-C02
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE repair &

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

Type Code Symbol Stamp N/A

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

Signed Patrick Naughton ISI Engineer Date October 14, 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 9/9/99 to 10/20/99, 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.

M M Hunt Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/20 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 6, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-115 Work Order 402606-01 (Repair Organization P.O. No. Job No. , etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Main Steam, Class 2

5. (a) Applicable Construction Code ASME III 1968 Edition, 70 Addenda, _____ Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Main Steam Safety Valve Disc Insert	Crosby	N88473-40-0100	N/A	2-MS-SV-204B	1998	Replacement	No
Main Steam Safety Valve Spring Washers	Crosby	N/A	N/A	2-MS-SV-204B	1972	Repair	No

7. Description of Work Machined spring washers to restore design dimensions. Replaced disc insert due to normal wear.

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 repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Pat Naught ISI Engineer Date October 6, 1999
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 9/9/99 to 10/6/99, 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.

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

Date 10/6 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date September 29, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-116 Work Order 402600-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Main Steam, Class 2

5. (a) Applicable Construction Code ASME III 1968 Edition, 1970 Addenda, _____ Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Main Steam Safety Valve	Crosby	N55044-00-0020	N/A	2-MS-SV-202B	1972	Repair	Yes

7. Description of Work Machined spring washers to restore design dimensions.

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 repair - RFN 10 4-99

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

Type Code Symbol Stamp N/A

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

Signed Richard J Naught ISI Engineer Date September 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 9/19/99 to 10/2/99, 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.

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

Date 10/2 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date September 29, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-117 Work Order 402603-01 (Repair Organization P.O. No. Job No. , etc.)

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

Authorization No. N/A

5000 Dominion Blvd., Glen Allen, VA 23060 (Address) — Expiration Date N/A

4. Identification of System Main Steam, Class 2

5. (a) Applicable Construction Code ASME III 1968 Edition, 1970 Addenda, _____ Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Main Steam Safety Valve	Crosby	N55044-00-0023	N/A	2-MS-SV-203B	1972	Repair	Yes

7. Description of Work Machined spring washers to restore design dimensions.

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 repair, 10-4-99

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

Type Code Symbol Stamp N/A

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

Signed R J Naught ISI Engineer Date September 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 9/19/99 to 10/2/99, 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.

M M Hare Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/2 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 18, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-119 Work Order 402572-02 (Repair Organization P.O. No. Job No., etc.)

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

Authorization No. N/A

5000 Dominion Blvd., Glen Allen, VA 23060 (Address) — Expiration Date N/A

4. Identification of System Main Steam, 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 1986 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)
3" Check Valve	Crane	Serial # C2298	N/A	2-MS-121	1993	Replacement	No
3" Pipe	Consolidated Power Supply	Ht. # Y67155	N/A	2-MS-121	1998	Replacement	No
3" Elbow	Dubose National Energy Services	Ht. # F011	N/A	2-MS-121	1999	Replacement	No
¼" Plate	Dubose National Energy Services	Ht. # 411A9761	N/A	2-SHP-RH-136	1998	Replacement	No

7. Description of Work Replaced valve found to be unacceptable during check valve inspection. Installed shim plate to restore 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 Code Case N-416-1 was invoked for this replacement.

Applicable Manufacturer's Data Reports to be attached

Plant Issue 1999-2583 written for shim plate not included in repair and replacement program.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Pat J Naught ISI Engineer Date October 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 9/22/99 to 10/18/99, 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.

M. M. Hunt Commissions VA424-12
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/18 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 (Name) — Date October 6, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-122 Work Order 402651-01 (Repair Organization P.O. No. Job No. , etc.)

3. Work Performed By Wyle Laboratories (Name) — Type Code Symbol Stamp N/A

7800 Highway 20 West, Hunstsville, AL 35806 (Address) — Authorization No. N/A; Expiration Date N/A

4. Identification of System Reactor Coolant, Class 1

5. (a) Applicable Construction Code ASME III 1968 Edition, _____ Addenda, _____ Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Spring and Washer Assembly	Dresser	Serial # ADA75	N/A	2-RC-SV-2551A	1999	Replacement	No

7. Description of Work Replaced spring due to failure of spring rate test.

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Pat J Wright (Owner or Owner's Designee, Title) ISI Engineer Date October 6, 1999

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 9/21/99 to 10/6/99, 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.

M M Hunt (Inspector's Signature) Commissions VA 424-R (National Board, State, Province, and Endorsements)

Date 10/6 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 (Name) — Date October 6, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-123 Work Order 402652-01 (Repair Organization P.O. No. Job No. , etc.)

3. Work Performed By Wyle Laboratories (Name) — Type Code Symbol Stamp N/A

7800 Highway 20 West, Hunstsville, AL 35806 (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System Reactor Coolant, Class 1

5. (a) Applicable Construction Code ASME III 1968 Edition, _____ Addenda, _____ Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Spring and Washer Assembly	Dresser	Serial # ADA74	N/A	2-RC-SV-2551B	1999	Replacement	No

7. Description of Work Replaced spring due to failure of spring rate test.

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Peter L Naught (Owner or Owner's Designee, Title) ISI Engineer Date October 6, 1999

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 9/21/99 to 10/6/99, 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.

M M Hare (Inspector's Signature) Commissions VA 424-R (National Board, State, Province, and Endorsements)

Date 10/6/ 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 (Name) — Date October 14, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-127 Work Order 402598-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Main Steam, Class 2

5. (a) Applicable Construction Code ASME III 1968 Edition, 70 Addenda, _____ Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Main Steam Safety Valve Disc	Crosby	N88473-40-0099	N/A	2-MS-SV-201C	1998	Replacement	No
Main Steam Safety Valve Spring Washers	Crosby	N/A	N/A	2-MS-SV-201C	1972	Repair	No
Main Steam Safety Valve Nozzle	Crosby	N/A	N/A	2-MS-SV-201C	1972	Repair	No

7. Description of Work Machined spring washers and nozzle to restore design dimensions. Replaced disc insert due to normal wear.

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 repair &

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 P Naught ISI Engineer Date December 2, 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 9/22/99 to 12/2/99, 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.

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

Date 12/2 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 (Name) — Date October 6, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-128 Work Order 402607-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Main Steam, Class 2

5. (a) Applicable Construction Code ASME III 1968 Edition, 70 Addenda, _____ Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Main Steam Safety Valve Disc Insert	Crosby	N88473-40-0101	N/A	2-MS-SV-204C	1998	Replacement	No

7. Description of Work Replaced disc insert due to normal wear.

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 repair or replacement
ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Pat L Wright ISI Engineer Date October 6, 1999
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by H.S.B.I. & I. of Hartford, CT have inspected the components described in this Owner's Report during the period 9/22/99 to 10/6/99, 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.

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

Date 10/6 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 (Name) — Date October 6, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-129 Work Order 402610-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Virginia Electric & Power Company (Name) — 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 Main Steam, Class 2

5. (a) Applicable Construction Code ASME III 1968 Edition, 70 Addenda, _____ Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Main Steam Safety Valve Disc Insert	Crosby	N88473-40-0102	N/A	2-MS-SV-205C	1998	Replacement	No

7. Description of Work Replaced disc insert due to normal wear.

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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Pat J Naught (Owner or Owner's Designee, Title) ISI Engineer Date October 6, 1999

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 9/22/99 to 10/6/99, 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.

M M Hines (Inspector's Signature) Commissions VA 424-R (National Board, State, Province, and Endorsements)

Date 10/6 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 14, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-130 Work Order 402609-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Crosby Valve & Gage (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

43 Kendrick St., Wrentham, MA 02093 (Address) — Expiration Date N/A

4. Identification of System Main Steam, Class 2

5. (a) Applicable Construction Code ASME III 1968 Edition, 70 Addenda, _____ Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Main Steam Safety Valve Bonnet	Crosby	N88476-1-0006	N/A	2-MS-SV-205B	1972	Repair	Yes

7. Description of work Bored out adjusting bolt threads, welded area, and recut adjusting bolt 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 $8^1/_2$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

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 repair (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Patrick Naughton (Owner or Owner's Designee, Title) ISI Engineer Date October 14, 19 99

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 9/22/99 to 12/15/99, 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 Hare (Inspector's Signature) Commissions VA 424-R (National Board, State, Province, and Endorsements)

Date 12/15 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 12, 1999

5000 Dominion Blvd., Glen Allen, VA 23060 (Address) — Sheet 1 of 2

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-135 Work Order 410714-01 (Repair Organization P.O. No. Job No., etc.)

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

Authorization No. N/A

5000 Dominion Blvd., Glen Allen, VA 23060 (Address) — Expiration Date N/A

4. Identification of System Reactor Coolant, Class 1

5. (a) Applicable Construction Code ASME III 1968 Edition, _____ Addenda, _____ Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1986 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)
Plug	Masoneilan	Ht. # 169666	N/A	2-RC-PCV-2455C	1999	Replacement	No

7. Description of Work Replaced plug due to leakby.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure 2235 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 _____

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 repair or replacement ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed Patrick J Naught ISI Engineer Date October 12, 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 9/24/99 to 10/18/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 10/18 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 (Name) — Date October 7, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-138 Work Order 402653-02 (Repair Organization P.O. No. Job No. , etc.)

3. Work Performed By Wyle Laboratories (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

7800 Highway 20 West, Hunstsville, AL 35806 (Address) — Expiration Date N/A

4. Identification of System Reactor Coolant, Class 1

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 1986 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)
Superbolt NUH650	Nova Machine Products	Heat # 36398006	N/A	2–RC–SV–2551C	1999	Replacement	No
1 3/8" Heavy Hex Head Nut	Mackson, Inc.	Heat # 60344	N/A	2-RC-SV-2551C	1998	Replacement	No
1 3/8" Stud	Mackson, Inc	Heat # 67889	N/A	2-RC-SV-2551C	1999	Replacement	No

7. Description of Work Replaced flange studs and nuts 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 New design, supporting documents IFER # NUM 00033cc ET-CE-99-018 Rev 0
Applicable Manufacturer's Data Reports to be attached
Stud material change from SA-193 Gr B7 to SA-193 G.16
acceptable per EWR 87-542

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Pat Vaught ISI Engineer Date October 7, 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 9/24/99 to 10/19/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

M M Hill Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/19/ 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 (Name) — Date October 7, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-139 Work Order 402652-02 (Repair Organization P.O. No. Job No. , etc.)

3. Work Performed By Wyle Laboratories (Name) — Type Code Symbol Stamp N/A

7800 Highway 20 West, Hunstsville, AL 35806 (Address) — Authorization No. N/A; Expiration Date N/A

4. Identification of System Reactor Coolant, Class 1

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 1986 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)
Superbolt NUH650	Nova Machine Products	Heat # 36398006	N/A	2-RC-SV-2551B	1999	Replacement	No
1 3/8" Heavy Hex Head Nut	Mackson, Inc.	Heat # 60344	N/A	2-RC-SV-2551B	1998	Replacement	No
1 3/8" Stud	Mackson, Inc	Heat # 67889	N/A	2-RC-SV-2551B	1999	Replacement	No

7. Description of Work Replaced flange studs and nuts 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 New design, supporting documents. JEER # Non 00033-00 ET-CE-99-018 Rev. 0
Applicable Manufacturer's Data Reports to be attached

Stud material change from SA-193 Gr B7 to SA-193 Gr. 16

acceptable per EWR 87-542.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Patrick Naught ISI Engineer Date October 7, 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 9/24/99 to 10/14/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions VA424-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 10/19 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 7, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-140 Work Order 402651-01 (Repair Organization P.O. No. Job No., etc.)

3. Work Performed By Wyle Laboratories (Name) — Type Code Symbol Stamp N/A

7800 Highway 20 West, Hunstsville, AL 35806 (Address) — Authorization No. N/A; Expiration Date N/A

4. Identification of System Reactor Coolant, Class 1

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 1986 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)
Superbolt NUH650	Nova Machine Products	Heat # 36398006	N/A	2-RC-SV-2551A	1999	Replacement	No
1 3/8" Heavy Hex Head Nut	Mackson, Inc.	Heat # 60344	N/A	2-RC-SV-2551A	1998	Replacement	No
1 3/8" Stud	Mackson, Inc	Heat # 67889	N/A	2-RC-SV-2551A	1999	Replacement	No

7. Description of Work Replaced flange studs and nuts 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 $8\frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

(12/82) This Form (E00030) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NIS-2 (Back)

9. Remarks New design basis document IEER # Nom 00033-00 ET-CE-99-016 Rev 0
Applicable Manufacturer's Data Reports to be attached
Stud material change from SA-193 Gr. B7 to SA-193 Gr 16 acceptable per
EWR 97-542

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Owner or Owner's Designee, Title ISI Engineer Date October 7, 1999

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 9/24/99 to 10/14/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature Commissions VA424-R
National Board, State, Province, and Endorsements

Date 10/19 19 99

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name) — Date October 6, 1999

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

2. Plant North Anna Power Station (Name) — Unit: 2

P.O. Box 402, Mineral, VA 23117 (Address) — R/R 99-141 Work Order 417286-01 (Repair Organization P.O. No. Job No., etc.)

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

Authorization No. N/A

5000 Dominion Blvd., Glen Allen, VA 23060 (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)
1" Threaded Rod	Mackson, Inc.	Ht. # S16827	N/A	2-CH-FE-2156B	1998	Replacement	No
1" Nuts	Mackson, Inc.	Ht. # 34413PJ	N/A	2-CH-FE-2156B	1997	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 (repair or replacement) conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

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

Signed R. A. Wright (Owner or Owner's Designee, Title) ISI Engineer Date October 6, 1999

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 9/25/99 to 10/6/99, 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.

M M Hess (Inspector's Signature) Commissions VA 424-R (National Board, State, Province, and Endorsements)

Date 10/6 19 99