ATTACHMENT 1

1992 UNIT 1 STEAM GENERATOR INSPECTION OUTAGE
INSERVICE INSPECTION SUMMARY REPORT

OWNER'S REPORT FOR INSERVICE INSPECTIONS

NORTH ANNA POWER STATION - UNIT 1

VIRGINIA ELECTRIC AND POWER COMPANY

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

1. Owner Virginia Electric & Power Company, 5000 Dominion Blvd. Glen Allen, VA 23060
(Name and Address of Owner)

2. Plant North Anna Power Station, P.O. Box 402, Mineral, VA 23117
(Name and Address of Plant)

3. Plant Unit Unit 1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 06-06-78 6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
BORON INJECTION TANK	STRUTHER WELLS	2-70-07-30717-9	VA 59686	13548
CLASS 1 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	252	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	253	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	268	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	282	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	453	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	766	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	774	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	778	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	874	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	878	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	900	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	902	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	913	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	927	N/A	N/A

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FORM NIS-1 (Back)

8. Examination Dates 3-5-91 to 3-3-92

9. Inspection Period Identification First Period (12-24-88 - 12-24-91)

10. Inspection Interval Identificatic Second Interval (12-24-88 - 12-24-98)

11. Applicable Edition of Section XI 1983 Addenda S83

12. Date/Revision of Inspection Plan 5-5-91 Revision 1

13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.

Attachment 1 pages 6-107 and Attachment 2 pages 1-34

14. Abstract of Results of Examinations and Tests.

Attachment 1 pages 6-107 and Attachment 2 pages 1-34

15. Abstract of Corrective Measures.

Attachment 1 pages 6-107 and Attachment 2 pages 1-34

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

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

Date MAY 27 19 92 Signed VIRGINIA ELECTRIC and POWER Co. By E.W. Thomas
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 3-5-91 to 3-3-92, 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. Hacc
Inspector's Signature

Commissions VA-424
National Board, State, Province, and Endorsements

Date May 27 19 92

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

1. Owner Virginia Electric & Power Company, 5000 Dominion Blvd. Glen Allen, VA 23060
(Name and Address of Owner)

2. Plant North Anna Power Station, P.O. Box 402, Mineral, VA 23117
(Name and Address of Plant)

3. Plant Unit Unit 1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 06-06-78 6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
CLASS 1 PIPING	S.W. FABRICATING	933	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	950	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	952	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	955	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	977	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	1070	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	1071	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	1081	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	1122	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	1675	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	1704	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	2741	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	2742	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	2792	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	2960	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	3043	N/A	N/A

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(Name and Address of Plant)

3. Plant Unit Unit 1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 06-06-78 6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
CLASS 1 PIPING	S.W. FABRICATING	3044	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	4555	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	4557	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	4558	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	4560	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	4562	N/A	N/A
CLASS 1 PIPING NON SERIALIZED	STONE & WEBSTER ENG. CORP.	N/A	N/A	N/A
CLASS 2 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/A	N/A
CLASS 2 PIPING NON-SERIALIZED	STONE & WEBSTER ENG. CORP.	N/A	N/A	N/A
CLASS 3 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/A	N/A
EXCESS LETDOWN HEAT EXCHANGER	ATLAS IND. MFG. COMPANY	1306	VA 58338	1125
NONREGENERATIVE HEAT EXCHANGER	JOSEPH OAT & COMPANY	1830-2	VA 59689	362
RESIDUAL HEAT EXCHANGER 'A'	JOSEPH OAT & COMPANY	1832-3	VA 58337	370
RESIDUAL HEAT EXCHANGER 'B'	JOSEPH OAT & COMPANY	1832-4		371
STEAM GENERATOR 'A'	WESTINGHOUSE ELECTRIC CORP.	1261	VA 58327	6867
STEAM GENERATOR 'B'	WESTINGHOUSE ELECTRIC CORP.	1262	VA 59323	6868

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(Name and Address of Plant)

3. Plant Unit Unit 1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 06-06-78 6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
STEAM GENERATOR 'C'	WESTINGHOUSE ELECTRIC CORP.	1263	VA SR324	6869
DESIGN CHANGE PACKAGE	FLOUR DANIEL	88-11	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-118	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-121	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-123	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-126	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-126A	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-226	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8092	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8093	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-004	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-005	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-006	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-007	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-008	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-009	N/A	N/A

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5. Commercial Service Date 06-06-78 6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-038	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-042B	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-043B	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-044B	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-045B	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-046B	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-047B	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-048B	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-049B	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-075	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-076	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-077	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-080	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-090	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	92-091	N/A	N/A

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Virginia Electric and Power Company
North Anna Power Station

Unit 1

1992 Outage
2nd Interval, 1st Period

Introduction

This report includes the Interval 2 inservice examinations of Class 1 and Class 2 components, piping and component supports that were conducted at North Anna Power Station Unit 1 from March 5, 1991 to March 3, 1992. The examinations during the second interval were performed to meet the requirements of ASME Section XI, 1983 Edition thru the Summer of 1983 Addenda.

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

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

Examinations

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

Some repair activities were performed after the end of the refueling outage, March 5, 1991. These post-outage activities are included in this report rather than the next report to state the extent of completion of the first period second interval examinations. The post-outage examinations contained in this report will not be reported in the next NIS-1 report.

Results

Examinations of components and component supports resulted in a total of 4 components being reported on the basis of procedure reporting criteria.

A summary of the indications and their dispositions follows:

A) Fluid loss beyond the specified limit was reported on hydraulic snubber 1-SHP-HSS-210 on 11715-WMKS-101C-3, Class 2. The fluid level was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The evaluation is included in Attachment III page 2.

B) A 4.5 inch linear indication was reported on integral attachment SW-35 on 11715-WMKS-102A, Class 2. The indication was removed under Repair and Replacement Program 92-077. The integral attachment was reexamined and found to be acceptable.

C) Heavy rust and boron was reported on Flange A on 11715-WMKS-103AU, Class 1. The flange was cleaned and 4 studs and 8 nuts were replaced under Repair and Replacement Program 92-038. The flange was examined after the replacement and was found to be acceptable.

D) Missing spacers on the rod end were reported on hydraulic snubber 1-SI-HSS-100 on 11715-WMKS-113B, Class 2. The spacers were installed by Work Order 136726.

Resolution of Previous Interval 1 NIS-1 commitments

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

1. Letter Serial No. 91-310 Attachment I, page 10 of 51, item B:

   A commitment was made to remove the corrosion and recoat the attachment weld 1-SHP-PEN-73 on drawing 11715-WMKS-0101B, Class 2. The corrosion was removed, the area was recoated and the attachment weld was found to be acceptable upon reexamination.

2. Letter Serial No. 91-310 Attachment I, page 10 of 51, item C:

   A commitment was made to remove the corrosion and recoat the component support 1-WFPD-R-33 on drawing 11715-WMKS-0102A, Class 2. The corrosion was removed, the area was recoated and the component support was found to be acceptable upon reexamination.

3. Letter Serial No. 91-310 Attachment I, page 10 of 51, item D:

   A commitment was made to walkdown drawing 11715-WMKS-0103AC to verify the arrangement of 1-SI-R-208 and 1-SI-SH-207. The correct arrangement is shown of revision 1 of 11715-WMKS-0103AC.

4. Letter Serial No. 91-310 Attachment I, page 10 of 51, item E:

   A commitment was made to remove the corrosion and recoat the sliding surface of component support 1-CC-S-19D on drawing 11715-WMKS-0103AN, Class 3. An attempt to remove all of the paint and corrosion was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 4.

5. Letter Serial No. 91-310 Attachment I, page 11 of 51, item F:

   A commitment was made to remove the corrosion and recoat the sliding surface of component support 1-CC-S-24D on drawing 11715-WMKS-0103AN, Class 2. An attempt to remove all of the paint and corrosion was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 7.

6. Letter Serial No. 91-310 Attachment I, page 11 of 51, item I:

   A commitment was made to revise drawing 11715-PSSK-103AV.17. The correct arrangement is shown of revision 2 of 11715-PSSK-103AV.17.

7. Letter Serial No. 91-310 Attachment I, page 11 of 51, item J:

   A commitment was made to remove the corrosion and recoat integral attachment 19H on drawing 11715-WMKS-0103B, Class 3. The corrosion was removed, the integral attachment was recoated, and was acceptable upon reexamination.

8. Letter Serial No. 91-310 Attachment I, page 11 of 51, item K:

   A commitment was made to remove the corrosion and recoat the sliding surface of component support 1-CC-R-32C on drawing 11715-WMKS-0103B, Class 3. An attempt to remove all of the paint and corrosion was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 10.

9. Letter Serial No. 91-310 Attachment I, page 12 of 51, item N:

   A commitment was made to remove the corrosion and recoat the base plate of component support 1-RC-R-9 on drawing 11715-WMKS-0103BK-2, Class 1. The paint and corrosion were removed. The support was found to be acceptable upon reexamination.

10. Letter Serial No. 91-310 Attachment I, page 12 of 51, item S:

    A commitment was made to remove the paint from the sliding surface of spring hanger 1-WS-SH-303 on drawing 11715-WMKS-0105J-1, Class 3. The paint was removed and the support was found to be acceptable upon reexamination.

11. Letter Serial No. 91-310 Attachment I, page 13 of 51, item X:

    A commitment was made to remove the paint from the spherical bearings of component support 1-WS-R-332 on 11715-WMKS-0105R, Class 3. The support was inspected prior to the paint being removed and additional unacceptable conditions were noted. There was a large area of base grout damaged and the lower spherical bearing, spacers, and pin assembly was deformed due to corrosion. The paint was removed from the spherical bearings, the grout was repaired, and the lower spherical bearing, spacers, and pin assembly was replace. The support was found acceptable upon reexamination.

12. Letter Serial No. 91-310 Attachment I, page 13 of 51, item Y:

    A commitment was made to remove the corrosion and recoat the base plate and anchor bolts of component support 1-SHP-R-176 on drawing 11715-WMKS-0107GA, Class 3. An attempt to remove all of the corrosion was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 13.

13. Letter Serial No. 91-310 Attachment I, page 14 of 51, item AA:

    A commitment was made to remove the rust and paint from the spherical bearing of component support 1-SI-R-806 on drawing 11715-WMKS-0107H, Class 2. The rust and paint were removed and the support was found to be acceptable on reexamination.

14. Letter Serial No. 91-310 Attachment I, page 14 of 51, item AB:

    A commitment was made to remove the paint from the sliding surface of component support 1-RC-R-30 on drawing 11715-WMKS-0110B-1, Class 1. An attempt to remove all of the paint was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 16.

15. Letter Serial No. 91-310 Attachment I, page 14 of 51, item AD:

    A commitment was made to regrout the base plate, remove the corrosion and recoat the base plate of component support 1-RC-SH-17 on drawing 11715-WMKS-0110B-1, Class 1. The reexamination after the base plate was recoated, found the clamp bolts bent and the spring setting was in error since the spring can pistons were in contact with the sides of 1-RC-R-16. The clamp bolts were replace under Repair and Replacement Program 92-90 and the spring cans were realigned. The support was acceptable upon reexamination.

16. Letter Serial No. 91-310 Attachment I, page 15 of 51, item AF:

    A commitment was made to remove the rust and paint from the spherical bearing and reexamine component support 1-RC-R-52 on drawing 11715-WMKS-0110B-2, Class 1. An attempt to remove all of the rust and paint from the spherical bearing was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The reexamination found the strut to pipe clamp spacer in the wrong location. The spacer was relocated and the component support was found to be acceptable upon reexamination. The evaluation is included in Attachment III page 19.

17. Letter Serial No. 91-310 Attachment I, page 15 of 51, item AH:

    A commitment was made to remove the paint from the sliding surface of component support 1-SI-R-36 on drawing 11715-WMKS-0111B, Class 2. An attempt to remove all of the paint was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 22.

18. Letter Serial No. 91-310 Attachment I, page 16 of 51, item AI:

    A commitment was made to remove the paint from the sliding surface of component support 1-CH-R-2 on drawing 11715-WMKS-0111BA, Class 1. An attempt to remove all of the paint was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 25.

19. Letter Serial No. 91-310 Attachment I, page 16 of 51, item AJ:

    A commitment was made to remove the paint and corrosion from the sliding surface of component support 1-CH-R-3 on drawing 11715-WMKS-0111BA, Class 1. An attempt to remove all of the paint and corrosion was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 28.

20. Letter Serial No. 91-310 Attachment I, page 16 of 51, item AK:

A commitment was made to remove the paint and corrosion from the sliding surface of component support 1-CH-R-6 on drawing 11715-WMKS-0111BA, Class 1. An attempt to remove all of the paint and corrosion was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 31.

21. Letter Serial No. 91-310 Attachment I, page 16 of 51, item AL:

A commitment was made to remove the paint and corrosion from the sliding surface of component support 1-CH-R-8 on drawing 11715-WMKS-0111BA, Class 1. An attempt to remove all of the paint and corrosion was unsuccessful. The condition was evaluated by Virginia Electric and Power Company Engineering and was determined to be acceptable. The evaluation is included in Attachment III page 34.

22. Letter Serial No. 91-310 Attachment I, page 17 of 51, item AM:

A commitment was made to touch up the chipped paint on spring can 1-CH-SH-9 on drawing 11715-WMKS-0111BA, Class 1, and to revise drawing 11715-PSSK-111BA.09. The spring can was painted and drawing 11715-PSSK-111BA.09 was revised.

23. Letter Serial No. 91-310 Attachment I, page 17 of 51, item AR:

A commitment was made to remove the corrosion from the unpainted portions of the base plate of component support 1-SI-R-5 on drawing 11715-WMKS-0111BA, Class 1, and recoat. The corrosion was removed and the support was painted and found to be acceptable upon reexamination.

24. Letter Serial No. 91-310 Attachment I, page 18 of 51, item AT:

A commitment was made to reexamine component supports 1-CC-A-363 on 11715-WMKS-118XT and 1-CC-A-378 on 11715-WMKS-118XR, Class 3, to determine the extent of insufficient weld metal. The supports were reexamined and found to be acceptable by a Virginia Electric and Power Company VT Level III.

25. Letter Serial No. 91-310 Attachment I, page 18 of 51, item AU:

A commitment was made to revise drawing 11715-WMKS-118ZA. The correct arrangement was made under revision 1.

26. Letter Serial No. 91-310 Attachment I, page 18 of 51, item AV:

A commitment was made to remove the rust from the sliding surfaces 1-RC-FRAMES on 11715-WMKS-RC-E-1A, Class 1. The rust was removed and the support structure was found acceptable upon reexamination.

27. Letter Serial No. 91-310 Attachment I, page 18 of 51, item AW:

    A commitment was made to remove the rust and recoat support 1-RH-SUPPORT-OUTLET on 11715-WMKS-RH-E-1A, Class 2. The rust was removed and the support was painted. The support was found to be acceptable upon reexamination.

28. Letter Serial No. 91-310 Attachment I, page 18 of 51, item AX:

    A commitment was made to remove the rust and recoat support 1-RH-SUPPORT-INLET on 11715-WMKS-RH-F-1A, Class 2. The rust was removed and the support was painted. The support was found to be acceptable upon reexamination.

Analytical Evaluations

No analytical evaluations were performed.

Evaluation Analyses

There were 12 evaluation analyses performed for visual indications. The evaluation analyses are included in Attachment III.

Statement of Interval Status

Virginia Electric and Power Company has completed 30% of Second 10-Year Interval Section XI requirements.

Abstract of Examinations Performed
IWB, IWC & IWF

The exams were performed to satisfy the first period requirements.

DRAWING NUMBER	MARK NUMBER	SECT XI CLASS	SECT XI CATEGRY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
11715-WMKS-0101B	18	2A	C-F	C5.21	MT & UT	01/20/92	
11715-WMKS-0101B	SW-46W	2A	C-C	C3.20	MT	01/22/92	
11715-WMKS-0101C	HSS-209A	2A	TS 3/4.7.10		VT-3	01/24/92	
11715-WMKS-0101C	HSS-209B	2A	TS 3/4.7.10		VT-3	01/24/92	
11715-WMKS-0101C	HSS-210	2A	TS 3/4.7.10		VT-3	01/24/92	*A
11715-WMKS-0101C	SW-37W	2A	C-C	C3.20	MT	01/31/92	
11715-WMKS-0101C	SW-38W	2A	C-C	C3.20	MT	01/31/92	
11715-WMKS-0101D	15	2A	C-F	C5.21	MT	01/20/92	
11715-WMKS-0101D	15	2A	C-F	C5.21	UT	01/21/92	
11715-WMKS-0101GA	26	2A	C-F	C5.11	MT	01/23/92	
11715-WMKS-0101GB	42	2A	C-F	C5.11	MT	01/23/92	
11715-WMKS-0102A	9	2A	C-F	C5.21	MT & UT	01/26/92	
11715-WMKS-0102A	SW-35	2A	C-C	C3.20	MT	01/20/92	*B
11715-WMKS-0102B	26	2A	C-F	C5.21	MT & UT	01/22/92	
11715-WMKS-0102C	14	2A	C-F	C5.21	MT & UT	01/22/92	
11715-WMKS-0103AC	5	2A	C-F-1	C5.11	PT & UT	01/25/92	
11715-WMKS-0103AC	21	2A	C-F-1	C5.11	PT & UT	01/25/92	
11715-WMKS-0103AD	15	1A	B-J	B9.11	PT	01/27/92	
11715-WMKS-0103AD	15	1A	B-J	B9.11	UT	01/28/92	
11715-WMKS-0103AD	SW-59	2A	C-F-1	C5.11	PT & UT	01/26/92	
11715-WMKS-0103AE-1	2	1A	B-J	B9.21	PT	01/14/92	
11715-WMKS-0103AE-1	SW-66	1A	B-J	B9.21	PT	01/24/92	
11715-WMKS-0103AE-4	15	1A	B-J	B9.40	PT	01/14/92	
11715-WMKS-0103AF	SW-1	1A	B-J	B9.11	PT & UT	01/28/92	
11715-WMKS-0103AF	SW-4	1A	B-J	B9.40	PT	01/24/92	
11715-WMKS-0103AF	SW-5	1A	B-J	B9.40	PT	01/24/92	
11715-WMKS-0103AF	SW-8	1A	B-J	B9.40	PT	01/24/92	
11715-WMKS-0103AG	SW-16	1A	B-J	B9.40	PT	01/26/92	
11715-WMKS-0103AJ	SW-50	1A	B-J	B9.32	PT	01/29/92	
11715-WMKS-0103AT	SW-18	1A	B-J	B9.40	PT	01/29/92	
11715-WMKS-0103AU	FLANGE A	1A	B-G-2	B7.50	VT-1	01/25/92	*C
11715-WMKS-0103AU	SW-38	1A	B-J	B9.40	PT	01/23/92	
11715-WMKS-0103AU	SW-40	1A	B-J	B9.40	PT	01/23/92	
11715-WMKS-0103AU	SW-70	1A	B-J	B9.40	PT	01/21/92	
11715-WMKS-0103AV	FLANGE A	1A	B-G-2	B7.50	VT-1	01/25/92	
11715-WMKS-0103AV	HSS-814	1A	TS 3/4.7.10		VT-3	01/10/92	
11715-WMKS-0103AV	SW-45	1A	B-J	B9.40	PT	01/26/92	
11715-WMKS-0103AV	SW-6	1A	B-J	B9.40	PT	01/27/92	
11715-WMKS-0103BA	HSS-880	1A	TS 3/4.7.10		VT-3	01/10/92	
11715-WMKS-0103BB-1	HSS-839	1A	TS 3/4.7.10		VT-3	01/18/92	
11715-WMKS-0103BB-2	8	1A	B-J	B9.40	PT	01/28/92	
11715-WMKS-0103BB-3	4	1A	B-J	B9.21	PT	01/27/92	
11715-WMKS-0103BB-3	HSS-827	1A	TS 3/4.7.10		VT-3	01/10/92	
11715-WMKS-0103BB-3	SW-7	1A	B-J	B9.21	PT	01/27/92	
11715-WMKS-0103BE	SW-21	1A	B-J	B9.40	PT	01/31/92	
11715-WMKS-0103BF	65A	1A	B-J	B9.40	PT	01/21/92	
11715-WMKS-0103BH	40	1A	B-J	B9.21	PT	01/23/92	
11715-WMKS-0103BH	5	1A	B-J	B9.21	PT	01/23/92	
11715-WMKS-0103BH	SW-1	1A	B-J	B9.21	PT	01/23/92	
11715-WMKS-0103BH	SW-38	1A	B-J	B9.21	PT	01/23/92	
11715-WMKS-0103BH	SW-43	1A	B-J	B9.21	PT	01/23/92	
11715-WMKS-0103BK-1	HSS-882	1A	TS 3/4.7.10		VT-3	01/08/92	
11715-WMKS-0103BM	HSS-864	1A	TS 3/4.7.10		VT-3	01/06/92	
11715-WMKS-0103K	SI-195 BOLTING	1A	B-G-2	B7.70	VT-1	01/14/92	
11715-WMKS-0103N	30	1A	B-J	B9.32	PT	01/29/92	
11715-WMKS-0103N	SW-55	1A	B-J	B9.32	PT	01/29/92	
11715-WMKS-0103T	24	1A	B-J	B9.11	PT & UT	01/24/92	
11715-WMKS-0103U	37	1A	B-J	B9.11	PT & UT	01/24/92	
11715-WMKS-0103U	47H	1A	B-K-1	B10.10	PT	01/26/92	
11715-WMKS-0103Y	19H	1A	B-K-1	B10.10	PT	01/23/92	Partial < 90%

Abstract of Examinations Performed
IWB, IWC & IWF

DRAWING NUMBER	MARK NUMBER	SECT XI CLASS	SECT XI CATEGRY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
11715-WMKS-0103Y	SW-32	1A	B-J	B9.11	PT & UT	01/24/92	
11715-WMKS-0103Y	SW-35	1A	B-J	B9.11	PT & UT	01/24/92	
11715-WMKS-0103Y	SW-45	1A	B-J	B9.11	PT & UT	01/28/92	
11715-WMKS-0103Y	SW-46	1A	B-J	B9.11	PT & UT	01/28/92	
11715-WMKS-0104A-1	HSS-101A	2A	TS 3/4.7.10		VT-3	01/09/92	
11715-WMKS-0104C	15	2A	C-F-1	C5.11	PT	01/24/92	
11715-WMKS-0104C	15	2A	C-F-1	C5.11	UT	01/26/92	
11715-WMKS-0104C	6	2A	C-F-1	C5.11	UT	01/18/92	
11715-WMKS-0104C	SW-36	2A	C-F-1	C5.11	UT	01/1?/92	
11715-WMKS-0104E-1	11A	2A	C-F-1	C5.11	UT	01/18/92	
11715-WMKS-0104G	A-18	2A	F-A	F1.0	VT-3	01/26/92	
11715-WMKS-0107D	SW-66	2A	C-F-1	C5.11	PT	1./22/92	
(Note the above PT exam replaces the PT exam performed in 1991)							
11715-WMKS-0107D	SW-66	2A	C-F-1	C5.11	UT	01/23/92	
11715-WMKS-0109A	SW-8	1A	B-J	B9.32	PT	01/31/92	
11715-WMKS-0109D	HSS-103A	1A	TS 3/4.7.10		VT-3	01/08/92	
11715-WMKS-0109E-2	SW-19	1A	B-J	B9.32	PT	01/27/92	
11715-WMKS-0109E-2	SW-20	1A	B-J	B9.32	PT	01/27/92	
11715-WMKS-0109E-2	SW-21	1A	B-J	B9.32	PT	01/27/92	
11715-WMKS-0109E-2	SW-40	1A	B-J	B9.31	PT & UT	01/28/92	Relief Request NDE-12
11715-WMKS-0109E-2	SW-42	1A	B-J	B9.32	PT	01/28/92	
11715-WMKS-0109E-2	SW-43	1A	B-J	B9.32	PT	01/28/92	
11715-WMKS-0110A	HSS-1168	1A	TS 3/4.7.10		VT-3	01/08/92	
11715-WMKS-0110B-1	12A	1A	B-J	B9.40	PT	01/31/92	
11715-WMKS-0110B-1	42A	1A	B-J	B9.32	PT	01/31/92	
11715-WMKS-0110B-1	HSS-109	1A	TS 3/4.7.10		VT-3	01/24/92	
11715-WMKS-0111AB	46	2A	C-F-1	C5.11	PT	01/29/92	
11715-WMKS-0111AB	46	2A	C-F-1	C5.11	UT	01/30/92	
11715-WMKS-0111BA	27	1A	B-J	B9.21	PT	01/21/92	
11715-WMKS-0111BA	32	1A	B-J	B9.21	PT	01/21/92	
11715-WMKS-0111BA	HSS-859	1A	TS 3/4.7.10		VT-3	01/15/92	
11715-WMKS-0111C	SW-40	2A	C-F-1	C5.11	PT & UT	01/25/92	
11715-WMKS-0111CA	60A	2A	C-F-1	C5.11	PT	01/29/92	
11715-WMKS-0111CA	60A	2A	C-F-1	C5.11	UT	01/30/92	
11715-WMKS-0113A-2	64	2A	C-F-1	C5.11	PT & UT	01/29/92	Partial 73%
11715-WMKS-0113A-3	SW-58	2A	C-F-1	C5.11	PT & UT	01/25/92	
11715-WMKS-0113A-4	SW-1	1A	B-J	B9.11	PT & UT	01/23/92	
11715-WMKS-0113A-4	SW-2	1A	B-J	B9.11	PT & UT	01/23/92	
11715-WMKS-0113B	32	1A	B-J	B9.11	PT & UT	01/23/92	
11715-WMKS-0113B	HSS-100	1A	TS 3/4.7.10		VT-3	01/27/92	*D
11715-WMKS-0113B	MOV-1720A BOLTING	1A	B-G-2	B7.70	VT-1	01/14/92	
11715-WMKS-0113B	SI-142 BOLTING	1A	B-G-2	B7.70	VT-1	01/14/92	
11715-WMKS-0113C-1	HSS-100E	2A	TS 3/4.7.10		VT-3	01/10/92	
11715-WMKS-0113C-3	SW-12	1A	B-J	B9.11	PT & UT	01/23/92	
11715-WMKS-CH-E-2	2	2A	C-A	C1.10	UT	02/03/92	Relief Request NDE-12
11715-WMKS-RC-E-1A.1	5	2A	C-A	C1.10	UT	01/31/92	
11715-WMKS-RC-E-1A.1	5	2A	C-A	C1.10	UT	02/04/92	
11715-WMKS-RC-E-1A.2	HSS-003A	1A	TS 3/4.7.10		VT-3	01/24/92	
11715-WMKS-RH-E-1A	3A	2A	C-B	C2.31	PT	01/30/92	
11715-WMKS-RH-E-1A	3B	2A	C-B	C2.31	PT	01/30/92	
11715-WMKS-RH-E-1B	3	2A	C-B	C2.33	VT-2	01/31/92	
11715-WMKS-RH-E-1B	4	2A	C-B	C2.33	VT-2	01/31/92	
11715-WMKS-SI-TK-2	1	2A	C-A	C1.20	UT	01/21/92	
11715-WMKS-SI-TK-2	2	2A	C-A	C1.20	UT	01/21/92	
11715-WMKS-SI-TK-2	S01	2A	C-D	C4.10	UT	02/10/92	
11715-WMKS-SI-TK-2	S02	2A	C-D	C4.10	UT	02/10/92	
11715-WMKS-SI-TK-2	S03	2A	C-D	C4.10	UT	02/10/92	
11715-WMKS-SI-TK-2	S04	2A	C-D	C4.10	UT	02/10/92	
11715-WMKS-SI-TK-2	S05	2A	C-D	C4.10	UT	02/10/92	

* - indication (the letter refers to the item listed in the Results section)

The following exams were performed to satisfy NRC commitments from the previous refueling outage. Period credit was taken during that outage. These exams will not receive first period credit. The * numbers refer to the item numbers from the Previous NIS-1 Commitments within this report.

DRAWING NUMBER	MARK NUMBER	SECT XI CLASS	SECT XI CATEGRY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
11715-WMKS-0101B	PEN-7C	2A	F-A	F1.0	VT-3	01/23/92	
11715-WMKS-0102A	R-33	2A	F-B	F2.0	VT-3	01/22/92	
11715-WMKS-0103AN	S-190	3A	F-B	F2.0	VT-3	01/22/92	*4
11715-WMKS-0103AN	S-190	3A	F-B	F2.0	VT-3	02/07/92	
11715-WMKS-0103AN	S-24D	3A	F-B	F2.0	VT-3	01/22/92	*5
11715-WMKS-0103AN	S-24D	3A	F-B	F2.0	VT-3	02/26/92	
11715-WMKS-0103B	19H	3A	D-A	D1.1WA	VT-3	02/01/92	
11715-WMKS-0103B	R-32C	3A	F-B	F2.0	VT-3	02/03/92	*8
11715-WMKS-0103B	R-32C	3A	F-B	F2.0	VT-3	02/07/92	
11715-WMKS-0103BK-2	R-9	1A	F-B	F2.0	VT-3	01/29/92	*9
11715-WMKS-0103BK-2	R-9	1A	F-B	F2.0	VT-3	02/14/92	
11715-WMKS-0105J-1	SH-303	3A	F-C	F3.0	VT-3	01/17/92	
11715-WMKS-0105R	R-332	3A	F-B	F2.0	VT-3	02/03/92	*11
11715-WMKS-0105R	R-332	3A	F-B	F2.0	VT-3	02/28/92	
11715-WMKS-0107GA	R-176	3A	F-B	F2.0	VT-3	01/30/92	*12
11715-WMKS-0107GA	R-176	3A	F-B	F2.0	VT-3	02/05/92	
11715-WMKS-0107H	R-806	2A	F-B	F2.0	VT-3	02/03/92	
11715-WMKS-0110B-1	R-30	1A	F-B	F2.0	VT-3	01/29/92	*14
11715-WMKS-0110B-1	R-30	1A	F-B	F2.0	VT-3	02/05/92	
11715-WMKS-0110B-1	SH-17	1A	F-C	F3.0	VT-3	02/13/92	*15
11715-WMKS-0110B-2	R-52	1A	F-B	F2.0	VT-3	01/24/92	*16
11715-WMKS-0110B-2	R-52	1A	F-B	F2.0	VT-3	02/13/92	
11715-WMKS-0111B	R-36	2A	F-A	F1.0	VT-3	01/29/92	*17
11715-WMKS-0111B	R-36	2A	F-A	F1.0	VT-3	02/06/92	
11715-WMKS-0111BA	R-2	1A	F-A	F1.0	VT-3	01/29/92	*18
11715-WMKS-0111BA	R-2	1A	F-A	F1.0	VT-3	02/07/92	
11715-WMKS-0111BA	R-3	1A	F-A	F1.0	VT-3	02/01/92	*19
11715-WMKS-0111BA	R-3	1A	F-A	F1.0	VT-3	02/07/92	
11715-WMKS-0111BA	R-6	1A	F-B	F2.0	VT-3	02/01/92	*20
11715-WMKS-0111BA	R-6	1A	F-B	F2.0	VT-3	02/07/92	
11715-WMKS-0111BA	R-8	1A	F-B	F2.0	VT-3	02/01/92	*21
11715-WMKS-0111BA	R-8	1A	F-B	F2.0	VT-3	02/07/92	
11715-WMKS-0113B	R-5	1A	F-A	F1.0	VT-3	01/26/92	
11715-WMKS-0118XR	A-378	3A	F-A	F1.0	VT-3	02/05/92	
11715-WMKS-0118XT	A-363	3A	F-A	F1.0	VT-3	02/13/92	
11715-WMKS-RC-E-1A.1	FRAME	1A	F-A	F1.0	VT-3	02/01/92	
11715-WMKS-RH-E-1A	SUPT-INLET	2A	F-A	F1.0	VT-3	01/23/92	
11715-WMKS-RH-E-1A	SUPT-OUTLET	2A	F-A	F1.0	VT-3	01/23/92	

The following exams were performed to satisfy the additional exam requirements due to the indication on Flange A on 11715-WMKS-0103AU. These additional exams will not receive first period credit. These items will receive credit as scheduled in the Second Interval Plan.

DRAWING NUMBER	MARK NUMBER	SECT XI CLASS	SECT XI CATEGRY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
11715-WMKS-0109A	MOV-1585 BOLTING	1A	B-G-2	B7.70	VT-1	01/08/92	
11715-WMKS-0109B	MOV-1586 BOLTING	1A	B-G-2	B7.70	VT-1	01/08/92	
11715-WMKS-0109C	MOV-1587 BOLTING	1A	B-G-2	B7.70	VT-1	01/08/92	
11715-WMKS-0113A-1	MOV-1700 BOLTING	1A	B-G-2	B7.70	VT-1	01/08/92	
11715-WMKS-0113A-4	SI-127 BOLTING	1A	B-G-2	B7.70	VT-1	01/08/92	

The following exams were performed to satisfy the additional exam requirements due to the indication on SW-35 on 11715-WMKS-102A. These additional exams will not receive first period credit. These items will receive credit after the exams are performed as scheduled in the Second Interval Plan.

DRAWING NUMBER	MARK NUMBER	SECT XI CLASS	SECT XI CATEGRY	SECT XI ITEM NO.	EXAM MET JD	EXAM DATE	REMARKS
11715-WMKS-0107C	27R	2A	C-C	C3.20	PT	01/26/92	
11715-WMKS-0107C	34R	2A	C-C	C3.20	PT	01/26/92	
11715-WMKS-0107D	33H	2A	C-C	C3.20	PT	01/26/92	
11715-WMKS-0107E	28H	2A	C-C	C3.20	PT	02/05/92	

The following exams were performed to satisfy the additional exam requirements due to the indication on R-52 on 11715-WMKS-1108-2. A review of the engineering evaluations after the last NIS-1 report found that R-52 could not be considered operable in its as-found condition. The support was repaired but no additional exams were performed. A plant deviation report was written and the following additional exams were performed. These additional exams will not receive first period credit. These items will receive credit after the exams are performed as scheduled in the Second Interval Plan.

DRAWING NUMBER	MARK NUMBER	SECT XI CLASS	SECT XI CATEGRY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	REMARKS
11715-WMKS-0107C	R-71B	2A	F-B	F2.0	VT-3	07/03/91	
11715-WMKS-0107D	R-70A	2A	F-B	F2.0	VT-3	07/03/91	
11715-WMKS-0118R	R-187A	2A	F-A	F1.0	VT-3	07/03/91	

The following exams were done but no Section XI credit will be taken since first period credit was taken for exams performed in 1989. They are listed in the 1989 NIS-1 under the old drawing number.

DRAWING NUMBER	MARK NUMBER	SECT XI CLASS	SECT XI CATEGRY	SECT XI ITEM NO.	EXAM METHOD	EXAM DATE	OLD DRAWING & WELD NUMBER
11715-WMKS-0103AJ	16	1A	B-J	B9.11	UT/PT	01/29/92	VRA-1-4104 8
11715-WMKS-0110A	SW-32	1A	B-J	B9.11	PT & UT	01/25/92	VRA-1-4500 2

Inservice Leak Tests

The following inservice leak tests were perform to complete the first period requirements.

1-CH-207 Boric acid transfer pump 1-CH-P-2A, Class 2. The test was completed on 5/11/92.

1-CH-208 Boric acid transfer pump 1-CH-P-2B, Class 2. The test was completed on 5/11/92.

1-CH-209 Charging pumps 1-CH-P-1A, B, & C, Class 2. The test was complete on 5/11/92.

1-CH-210 Boric acid transfer pump 1-CH-P-2C, Class 2. The test was completed on 5/11/92.

1-CH-211 Boric acid transfer pump 1-CH-P-2D, Class 2. The test was completed on 5/11/92.

1-QS-203 Quench Spray pump 1-QS-P-1A, Class 2. The test was complete on 5/8/92.

1-QS-204 Quench Spray pump 1-QS-P-1B, Class 2. The test was complete on 5/19/92.

1-QS-205 Refueling Water Chemical Addition Tank, Class 2. The test was completed on 5/19/92.

1-RS-211 1-RS-P-2A suction from 1-RS-MOV-155A to discharge 1-RS-MOV-156A, Class 2. The Test was performed under 1-PT-64.1.1. No leakage was reported. The procedure did not require a separate VT-2 form to be completed. The procedure will be revised prior to the next refueling outage to require a separate VT-2 form to be completed. The test was complete on 2/28/91.

1-RS-212 1-RS-P-2B suction from 1-RS-MOV-155B to discharge 1-RS-MOV-156B, Class 2. Test was performed under 1-PT-64.1.2. No leakage was reported. The procedure did not require a separate VT-2 form to be completed. The procedure will be revised prior to the next refueling outage to require a separate VT-2 form to be completed. The test was complete on 2/28/91.

1-SI-218 Low Head Safety Injection recirc, Class 2. The test was complete on 4/7/92.

Snubber Replacements

The following lists the number of snubbers replaced in each system and the reason they were replaced. A total of 81 snubbers were replaced as part of the Tech. Spec. functional test program. Since there were no functional test failures during the last refueling outage, no snubbers had to be removed for retest. A total of 45 snubbers were replaced due to seal life expiring prior to the next scheduled refueling outage. A total of 2 snubbers were replaced per engineering request to resolve various visual anomalies. They were functionally tested and found to be operable.

System	Functional Test Group	Seal Life	Engineering Request
Aux. Feedwater	0	1	0
Blowdown	1	2	0
Chemical & Volume Control	3	0	0
Component Cooling	2	0	0
Decay Heat Release	1	1	0
Feedwater	7	2	1
Fuel Pit Cooling	1	0	0
Main Steam	14	0	0
Quench Spray	1	3	0
Reactor Coolant	33	13	1
Residual Heat Removal	7	4	0
Recirc. Spray	2	1	0
Safety Injection	7	9	0
Steam Drain	0	2	0
Steam Vent	0	6	0
Wet Layup	2	1	0
	81	45	2

Abstract of Examinations

Eddy Current Examination

of

Nonferromagnetic Steam Generator Tubing

In Steam Generator "A", 2,924 tubes were inspected full length with bobbin probes except for the U-bend area of the row two tubes which were examined in the 7H to 7C tube support region (U-Bend) with Rotating Pancake Coil. One tube could not be examined full length because of a restriction that prevented passage of the eddy current probe and was plugged as a precautionary measure. This is 100% of the available tubes. Supplemental examinations were also performed using Rotating Pancake, 8x1, and Profilometry probes where additional confirmatory or other data was desired. of the tubes examined 60 had pluggable circumferential indications, 98 had pluggable axial indications, one had a pluggable indication between 40 and 49% through wall, nine had indications between 30 and 39% through wall, 21 had indications between 20 and 29% through wall, 21 had indications between 10 and 19% through wall and seven were plugged as a precautionary measure and one tube was replugged.

In Steam Generator "B", 2,963 tubes were inspected full length with bobbin probes except for the U-bend area of the row two tubes which were examined in the 7H to 7C tube support region (U-Bend) with Rotating Pancake Coil. This is approximately 100% of the available tubes. Supplemental examinations were also performed using Rotating Pancake, 8x1, and Profilometry probes where additional confirmatory or other data was desired. Of the tubes examined 76 had pluggable circumferential indications, 82 had pluggable axial indications, five had indications between 30 and 39% through wall, 67 had indications between 20 and 29% through wall, 37 had indications between 10 and 19% through wall and two tubes were plugged as a precautionary measure.

In Steam Generator "C", 2,738 tubes were inspected full length with bobbin probes except for the U-bend area of the row two tubes which were examined in the 7H to 7C tube support region (U-Bend) with Rotating Pancake Coil. This is approximately 100% of the available tubes. Supplemental examinations were also performed using Rotating Pancake, 8x1, and Profilometry probes where additional confirmatory or other data was desired. Of the tubes examined 105 had pluggable circumferential indications, 84 had pluggable axial indications, one had a pluggable indication between 50 and 59% through wall, one had a pluggable indication between 40 and 49% through wall, eight had indications between 30 and 39% through wall, 31 had indications between 20 and 29% through wall, 25 had indications between 10 and 19% through wall and ten tubes were plugged as a precautionary measure.

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
2	2	47	2H	P
2	2	SAI	2H	P
4	2	DIN	2H	
5	2	DI	1H	P
5	2	SAI	1H	P
9	2	DIN	1H	
5	3	99	2H	P
5	3	SAI	2H	P
12	3	SAI	1H	P
13	3	SCI	1H	P
13	3	SCI	1H	P
13	3	SCI	4H	P
3	4	SAI	1H	P
3	4	SAI	1H	P
5	4	SCI	1H	P
5	4	SCI	1H	P
6	4	SAI	1H	P
6	4	SAI	1H	P
6	4	SAI	1H	P
7	4	SAI	1H	P
10	4	SAI	1H	P
10	4	SAI	1H	P
7	5	SAI	3H	P
14	5	80	1H	P
14	5	SAI	1H	P
17	5	SCI	1H	P
17	5	SCI	2H	P
17	5	SCI	1H	P
17	5	SCI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
18	5	77	1H	P
18	5	SAI	1H	P
18	5	SAI	5H	P
19	5	SCI	1H	P
6	6	MCI	1H	P
6	6	MCI	1H	P
6	6	MCI	1H	P
7	6	SCI	2H	P
7	6	SCI	2H	P
9	7	SAI	1H	P
9	7	SAI	1H	P
11	7	SCI	1H	P
11	7	SCI	1H	P
17	7	SCI	1H	P
2	8	DIN	2H	P
2	8	89	5H	P
2	8	SAI	5H	P
13	8	DIN	2H	
13	8	DIN	2H	
16	8	INR	2H	
16	8	INR	3H	
17	8	DIN	6C	
22	8	DIN	5C	
20	9	INR	4C	
20	9	INR	3C	
22	9	SCI	2H	P
22	9	SCI	2H	P
4	10	DIN	2H	P
4	10	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
8	10	SCI	1H	P
8	10	SCI	1H	P
11	10	DIN	1H	
17	10	MCI	1H	P
17	10	MCI	1H	P
17	10	MCI	1H	P
18	10	SAI	2H	P
13	11	DIN	2H	
17	11	SCI	1H	P
17	11	SCI	1H	P
17	11	SCI	1H	P
19	11	DIN	5H	
9	12	99	2H	P
9	12	SAI	2H	P
9	12	SAI	2H	P
3	13	DIN	2H	
17	13	SCI	1H	P
17	13	SCI	1H	P
6	14	SAI	1H	P
6	14	SAI	1H	P
5	15	SAI	2H	P
5	15	SAI	2H	P
22	15	SCI	1H	P
22	15	SCI	1H	P
4	16	SCI	TSH	P
4	16	SCI	TSH	P
4	16	SCI	TSH	P
5	16	23	TSH	
18	16	SAI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
22	17	INF	3H	
23	17	DIN	2H	
23	17	DIN	2H	
23	17	INF	3H	
25	17	INF	AV3	
31	17	DIN	4H	
32	17	DIN	1H	
32	17	DIN	3H	
33	17	DIN	4H	
12	18	DIN	4H	
13	18	DIN	2H	
15	18	DIN	2H	
16	18	DIN	1H	
17	18	SCI	1H	P
17	18	SCI	1H	P
17	18	SCI	1H	P
18	18	DIN	1H	
20	18	DIN	1H	
21	18	SCI	1H	P
21	18	SCI	1H	P
21	18	SCI	1H	P
27	18	DIN	1H	
29	18	DIN	2H	
29	18	INR	AV2	
29	18	INF	AV4	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
33	18	DIN	1H	
33	18	DIN	2H	
33	18	DIN	3H	
33	18	DIN	4H	
33	18	DIN	5H	
34	18	INR	1H	
2	19	SCI	1H	P
2	19	SCI	1H	P
20	19	DIN	1H	
20	19	DIN	4H	
22	19	DIN	1H	
24	19	DIN	3H	
27	19	INR	AV3	
31	19	DIN	1H	
31	19	INF	AV3	
32	19	DIN	1H	
32	19	DIN	4H	
33	19	DIN	4H	
35	19	DIN	5H	
2	20	SAI	1H	P
2	20	SAI	2H	P
2	20	SAI	1H	P
2	20	SAI	2H	P
11	20	DIN	1H	
15	20	DIN	1H	
16	20	INF	2H	
18	20	DI	2H	P
18	20	SAI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
19	20	SAI	2H	P
19	20	SAI	3H	P
19	20	SAI	2H	P
19	20	SAI	3H	P
19	20	SAI	2H	P
19	20	SAI	3H	P
24	20	DIN	2H	
26	20	DIN	2H	
27	20	DIN	1H	
28	20	DIN	3H	
29	20	DIN	3H	
30	20	DIN	1H	
30	20	DIN	2H	
30	20	INF	AV1	
30	20	INF	AV4	
32	20	INR	AV3	
32	20	INF	AV4	
33	20	DIN	4H	
8	21	93	3H	P
8	21	SAI	3H	P
8	21	SAI	5H	P
8	21	SAI	3H	P
8	21	SAI	5H	P
11	21	INF	TSH	
12	21	DIN	1H	
12	21	DIN	3H	
19	21	INF	4C	
28	21	SCI	1H	P
28	21	SCI	1H	P
34	21	SAI	1H	P
34	21	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
5	22	DI	2H	P
5	22	SAI	2H	P
5	22	SAI	2H	P
20	22	SCI	2H	P
20	22	SCI	2H	P
22	22	DI	5H	P
22	22	SAI	5H	P
24	22	INF	AV3	
25	22	INF	AV3	
27	22	SCI	1H	P
27	22	SCI	1H	P
30	22	INF	AV3	
33	22	SAI	1H	P
33	22	SAI	2H	P
33	22	SAI	1H	P
33	22	SAI	1H	P
33	22	SAI	2H	P
36	22	DIN	1H	
20	23	SCI	TSH	P
20	23	SCI	TSH	P
21	23	SCI	TSH	P
21	23	SCI	TSH	P
38	23	DI	1H	P
38	23	SAI	1H	P
38	23	SAI	1H	P
39	23	SAI	1H	P
39	23	SAI	1H	P
7	24	SCI	1H	P
7	24	SCI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
8	24	88	2H	P
8	24	98	5H	P
8	24	SAI	2H	P
8	24	SAI	5H	P
10	24	SAI	4H	P
10	24	SAI	4H	P
10	24	SAI	4H	P
14	24	TIN	TSH	
22	24	SCI	2H	P
22	24	SCI	2H	P
23	24	TIN	TSH	
30	24	SCI	2H	P
30	24	SCI	2H	P
6	25	TIN	TSH	
34	25	12	AV3	
8	26	DIN	7C	
12	26	67	2H	P
12	26	85	2H	P
12	26	DIN	6C	P
12	26	SAI	2H	P
12	26	MAI	2H	P
12	26	MAI	2H	P
13	26	DIN	4H	
15	26	DIN	6C	P
15	26	DIN	4C	P
15	26	SCI	TSH	P
15	26	SCI	TSH	P
35	26	29	TSH	
5	27	80	1H	P
5	27	47	1H	P
5	27	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
6	27	DIN	2H	
7	27	SCI	2H	P
7	27	SCI	2H	P
9	27	81	3H	P
9	27	SAI	3H	P
13	27	INR	TSH	
34	27	DIN	7H	
37	27	DIN	6H	
7	28	SAI	4H	P
7	28	SAI	4H	P
26	28	SAI	2H	P
26	28	SAI	2H	P
5	29	92	1H	P
5	29	SAI	1H	P
11	29	DIN	7H	
13	29	DIN	3H	
19	29	SCI	TSH	P
19	29	SCI	TSH	P
24	29	SCI	1H	P
24	29	SCI	4H	P
24	29	SCI	1H	P
5	30	SCI	3H	P
5	30	SCI	3H	P
10	30	INR	TSH	
15	30	DI	3H	P
15	30	100	3H	P
15	30	SAI	3H	P
15	30	SAI	3H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
29	30	MCI	1H	P
29	30	MCI	1H	P
29	30	SCI	1H	P
12	31	17	TSH	
13	31	27	TSH	
31	31	SCI	1H	P
31	31	SCI	1H	P
10	32	SAI	2H	P
10	32	SAI	3H	P
10	32	SAI	2H	P
10	32	SCI	3H	P
10	32	SCI	3H	P
13	32	TIN	TSH	
16	32	100	5H	P
16	32	92	5H	P
16	32	SAI	5H	P
19	32	MCI	TSH	P
19	32	MCI	TSH	P
19	32	MCI	TSH	P
19	32	MCI	TSH	P
38	32	DIN	3H	
39	32	DIN	1H	
41	32	DIN	1H	
10	33	INR	TSH	
11	33	19	TSH	
12	33	21	TSH	
13	33	DIN	TSH	
15	33	TIN	TSH	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
24	33	MCI	TSH	P
24	33	MCI	TSH	P
24	33	MCI	TSH	P
24	33	MCI	TSH	P
36	33	SAI	2H	P
36	33	SAI	2H	P
13	34	22	TSH	
14	34	35	TSH	
14	34	DIN	1H	
15	34	DIN	3H	
25	34	DIN	1H	
4	35	SAI	1H	P
4	35	SAI	1H	P
10	35	DIN	3H	
13	35	27	TSH	
16	35	DIN	5H	
18	35	SAI	1H	P
33	35	DIN	5H	
41	35	DIN	4C	
13	36	31	TSH	P
13	36	17	TSH	P
13	36	DI	2H	P
13	36	SAI	2H	P
15	36	16	TSH	
15	36	28	TSH	
19	36	DIN	1H	
28	36	DIN	1H	
30	36	DIN	1H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
43	36	DIN	2H	
9	37	DIN	1H	
13	37	38	TSH	
24	37	DIN	2H	
24	37	DIN	5H	
5	38	DIN	1H	
11	38	SCI	1H	P
11	38	SCI	1H	P
14	38	32	TSH	
19	38	DIN	1H	
24	38	DIN	4H	
28	38	SAI	3H	P
43	38	INR	4C	
6	39	INR	5H	
7	39	DIN	4H	
8	39	DIN	2H	
9	39	DIN	3H	
10	39	INF	TSH	
12	39	27	TSH	
13	39	17	TSH	
13	39	TIN	TSH	
13	39	DIN	3H	
15	39	38	TSH	
16	39	16	TSH	
18	39	SCI	1H	P
18	39	SCI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
31	39	DIN	2H	
32	39	DIN	1H	
40	39	SCI	1H	P
40	39	SCI	1H	P
10	40	INF	TSH	
12	40	INF	TSH	
15	40	24	TSH	
34	40	SAI	1H	P
38	40	SAI	1H	P
41	40	SAI	4H	P
42	40	SAI	1H	P
44	40	SAI	3H	P
4	41	SAI	1H	P
12	41	SAI	1H	P
15	41	15	TSH	
39	41	DI	1H	P
39	41	SCI	1H	P
39	41	SCI	2H	P
39	41	SCI	1H	P
39	41	SCI	2H	P
3	42	INF	TSH	
5	42	95	5H	P
5	42	SAI	5H	P
7	42	SAI	1H	P
9	42	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
13	42	29	TSH	
13	42	INF	TSH	
13	42	INF	TSH	
17	42	14	TSH	
20	42	INF	TSH	
30	42	INR	7H	
34	42	SCI	1H	P
34	42	SCI	1H	P
34	42	SCI	2H	P
34	42	SCI	1H	P
34	42	SCI	2H	P
17	43	18	TSH	
40	43	DIN	5H	
9	44	22	5H	
10	44	INR	TSH	
11	44	12	TSH	
14	44	22	TSH	
14	44	18	TSH	
15	44	23	TSH	
16	44	15	TSH	
18	44	INF	7H	
20	44	INF	TSH	
32	44	29	TSH	
15	45	25	TSH	
18	45	INF	7H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
20	45	SCI	TSH	P
20	45	SCI	2H	P
20	45	SCI	2H	P
20	45	SCI	TSH	P
20	45	SCI	2H	P
31	45	SCI	1H	P
31	45	SCI	1H	P
13	46	SCI	TSH	P
13	46	SCI	TSH	P
16	46	INF	TSH	
19	46	DIN	1H	
30	46	23	TSH	
19	47	SAI	5H	P
20	47	SCI	2H	P
20	47	SCI	2H	P
22	47	INF	AV2	
23	47	SAI	5H	P
33	47	INR	TSH	P
33	47	SAI	TSH	P
33	47	SAI	1H	P
3	48	SAI	4H	P
13	48	98	2H	P
13	48	95	2H	P
13	48	SAI	2H	P
13	48	SAI	2H	P
16	48	13	TSH	
19	48	DIN	4H	
26	48	10	5C	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
32	48	TIN	TSH	P
32	48	DI	2H	P
32	48	SAI	2H	P
46	48	96	2H	P
46	48	SAI	2H	P
2	49	SAI	5H	P
2	49	SAI	6H	P
10	49	DI	5H	P
10	49	SAI	5H	P
15	49	29	TSH	
28	49	INF	5H	
28	49	INF	7H	
32	49	35	TSH	
45	49	INR	AV3	
18	50	20	TSH	
28	50	INR	AV3	
31	50	INF	7H	
32	50	SAI	1H	P
45	50	SCI	1H	P
45	50	SCI	1H	P
33	51	30	TSH	
38	51	SAI	2H	P
42	51	SCI	1H	P
42	51	SCI	1H	P
46	51	SCI	1H	P
46	51	SCI	1H	P
8	52	TI	TSH	P
8	52	SAI	TSH	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
44	52	SCI	1H	P
44	52	SCI	1H	P
22	53	99	2H	P
22	53	SAI	2H	P
29	53	DIN	2H	
11	54	SCI	2H	P
11	54	SCI	1H	P
11	54	SCI	2H	P
11	54	SCI	1H	P
11	54	SCI	2H	P
32	54	SCI	2H	P
32	54	SCI	2H	P
32	54	SCI	2H	P
37	54	SAI	1H	P
39	54	SCI	1H	P
39	54	SCI	1H	P
39	54	SCI	1H	P
46	54	MAI	2H	P
46	54	MAI	2H	P
3	55	SCI	5H	P
3	55	SCI	5H	P
3	55	SCI	5H	P
25	55	SCI	TSH	P
25	55	SCI	TSH	P
30	55	31	TSH	
5	56	INR	5H	
7	56	DI	5H	P
7	56	SAI	5H	P
7	56	SAI	5H	P
8	56	INR	6H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
U 'T 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
15	56	SCI	TSH	P
15	56	SCI	TSH	P
2	57	SAI	5H	P
9	57	DIN	1H	
10	57	INR	6H	
21	57	DIN	2H	
30	57	INR	TSH	
33	58	SAI	2H	P
44	58	14	AV3	
5	59	DI	1H	P
5	59	SAI	1H	P
25	59	SAI	TSH	P
40	59	DIN	1H	
43	59	39	1H	P
43	59	SAI	1H	P
8	60	SAI	6H	P
25	60	17	AV4	
37	60	26	AV4	
42	60	15	AV3	
44	60	16	AV3	
3	61	SAI	5H	P
8	62	DI	5H	P
8	62	SAI	5H	P
44	62	INF	AV2	
44	62	INF	AV3	

NORTH ANNA U"IT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
18	63	DIN	2H	
20	63	15	1H	
20	63	23	1H	
20	63	21	1H	
20	63	18	1H	
20	63	32	1H	
20	63	29	1H	
20	63	30	2H	
20	63	12	2H	
20	63	INR	2H	
20	63	DIN	3H	
21	63	30	TSH	
27	63	DIN	1H	
33	63	DIN	1H	
10	64	INR	TSH	
21	64	INR	TSH	
21	64	DIN	1H	
25	64	DIN	3H	
36	64	DIN	7H	
42	64	DI	1H	P
42	64	SAI	1H	P
22	65	INR	6C	
24	65	DIN	7H	
28	65	DIN	4H	
29	65	DIN	7H	
42	65	DIN	1H	
5	66	DI	5H	P
5	66	SAI	4H	P
5	66	SAI	5H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
9	66	SAI	4H	P
13	66	INR	TSH	
23	66	47	TSH	P
23	66	PID	TSH	P
10	67	INF	TSC	
15	67	DI	5H	P
15	67	SAI	5H	P
20	67	INF	TSH	
23	67	INF	TSH	
2	68	87	5H	P
2	68	SAI	5H	P
9	68	SCI	2H	P
9	68	SCI	2H	P
23	68	INF	TSH	
5	69	DIN	7H	
6	69	INF	6H	
6	69	INF	7H	
26	69	INR	TSH	
36	69	25	AV3	
5	70	SAI	1H	P
5	70	SAI	5H	P
26	70	DIN	3H	
36	70	SAI	2H	P
5	71	INF	2H	
5	71	INF	5H	
6	71	INF	1H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
10	71	SCI	TSH	P
10	71	SCI	TSH	P
28	71	DIN	5H	
34	71	DIN	2H	
16	72	INR	TSH	
24	72	DIN	2H	
24	72	DIN	3H	
24	72	16	AV2	
29	72	DIN	5H	
31	72	DIN	5H	
32	72	SAI	2H	P
17	73	SAI	1H	P
17	73	SCI	2H	P
17	73	SCI	2H	P
24	73	24	AV2	
27	73	INR	AV2	
29	73	.4	AV2	
32	73	INR	AV2	
31	74	INF	7H	
35	74	13	AV3	
36	74	INR	AV3	
38	74	INR	AV2	
13	75	16	AV4	
19	75	87	1H	P
19	75	DI	1H	P
19	75	DIN	4H	P
19	75	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
21	75	DIN	4H	
25	75	DIN	4H	
29	75	DIN	4H	
36	75	87	2H	P
36	75	SAI	2H	P
10	76	DIN	4H	
15	76	INR	6H	
19	76	DIN	2H	
20	76	DI	2H	P
20	76	SAI	2H	P
29	76	17	AV3	
34	76	DIN	1H	
36	76	INR	AV2	
3	77	DIN	5C	
7	77	DIN	6H	
17	77	DIN	1H	
18	77	DIN	2H	
6	78	DIN	5C	
33	78	INR	AV1	
35	78	DIN	1C	
4	79	DIN	5C	
7	79	DIN	4C	
8	79	INR	3H	
9	79	DIN	6C	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
15	79	DIN	4H	
25	79	DIN	2H	
26	79	DIN	4H	
23	80	DIN	1H	
6	81	SCI	4H	P
6	81	SCI	4H	P
22	81	SAI	5H	P
28	81	INR	TSH	
28	81	INR	TSH	
4	83	INR	6H	
4	83	INR	7H	
4	84	INR	7H	P
4	84	SAI	1H	P
20	84	INR	AV2	
3	85	INR	7H	
4	85	INR	6H	
4	85	INR	7H	
22	85	12	AV3	
24	85	DIN	2H	
26	85	INR	AV2	
2	86	DIN	7C	
4	87	INR	7H	
9	87	INR	AV1	
3	88	INR	6H	
3	88	INR	7H	
4	88	INR	7H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
6	88	SCI	1H	P
6	88	SCI	1H	P
11	88	48	2H	P
11	88	SAI	1H	P
11	88	SAI	2H	P
5	89	SAI	5H	P
11	89	99	1H	P
11	89	SAI	1H	P
6	90	DIN	3H	
19	90	SAI	5H	P
19	90	SAI	6H	P
12	91	SAI	5H	P
13	91	DIN	1H	
14	91	DIN	3H	
3	92	97	3H	P
3	92	SAI	3H	P
3	94	21	5C	P
5	94	DI	1H	P
5	94	SAI	1H	P
13	43	--	--	P, *
33	50	--	--	P, 1
14	70	--	--	P, 1
7	92	--	--	P, 2, **
6	93	--	--	P, 2, **
7	93	RST	TSH	P, 3
8	93	--	--	P, 2, **
7	94	--	--	P, 2, **

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "A" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks

P = PLUGGED TUBE
1. THESE TUBES WERE SUSPECT FROM THE LAST EDDY CURRENT EXAMINATION, REEXAMINATION FAILED TO REVEAL ANY REJECTABLE INDICATION OF DEFECTS BUT THE TUBES WERE PLUGGED AS A PRECAUTIONARY MEASURE
2. THESE TUBES EDDY CURRENT TESTED, NO INDICATIONS FOUND BUT WERE PREVENTIVELY PLUGGED BECAUSE THEY ARE ADJACENT TO TUBE R7C93 THAT COULD NOT BE EXAMINED COMPLETELY BECAUSE RESTRICTION DID NOT ALLOW PASSAGE OF EDDY CURRENT PROBE
3. RESTRICTED TUBE COULD NOT BE EXAMINED OVER ITS ENTIRE LENGTH

* PLUG REMOVED FROM COLD LEG, REPLUGGED
** SENTINEL PLUG IN COLD LEG

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
4	1	DIN	6C	
4	1	DIN	5H	
15	3	INF	6C	
2	4	SAI	1H	P
8	4	DIN	7C	
8	4	DIN	6C	
12	4	INF	AV2	
13	5	21	AV4	
15	5	INR	AV2	
15	5	INR	AV3	
15	5	INR	AV4	
17	5	23	AV1	
17	5	23	AV2	
4	6	SCI	1H	P
4	6	SAI	1H	P
16	6	SAI	2H	
11	7	SCI	2H	
11	7	SCI	2H	
15	7	18	AV3	
17	7	17	AV2	
20	7	INF	AV3	
23	7	20	AV4	
11	8	MCI	2H	P
11	8	MCI	2H	P
11	8	MCI	2H	P
11	8	MCI	2H	P
11	8	MCI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
12	8	SCI	2H	
12	8	MCI	3H	
12	8	MCI	3H	
12	8	SCI	2H	P
12	8	MCI	3H	P
15	8	INR	AV2	
23	8	DIN	5H	
24	8	21	AV2	
25	8	DIN	5H	P *
25	8	INF	AV1	P *
25	8	SCI	TSH	P *
25	8	SCI	TSH	P *
6	9	SCI	3H	P
6	9	SCI	3H	P
15	9	SCI	1H	P
15	9	SCI	1H	P
23	9	29	AV1	
23	9	28	AV2	
23	9	24	AV3	
23	9	14	AV4	
24	9	18	AV1	
24	9	19	AV3	
26	9	INF	AV1	
13	10	DIN	5H	
16	10	INR	AV3	
22	10	INR	AV2	
22	10	INR	AV3	
22	10	INR	AV4	
24	10	DIN	1H	
24	10	DIN	5H	
24	10	23	AV4	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

	Row	Col	Ind	Locn	Remarks
	25	10	22	AV3	
	25	10	24	AV4	
	26	10	21	AV4	
	27	10	DIN	5H	
	27	10	DIN	7H	
	28	10	23	AV3	
	2	11	DIN	1H	P **
*	2	11	DIN	7H	P **
*	2	11	RSP	7H	P **
	11	11	SCI	2H	P
	11	11	SCI	2H	P
	11	11	SCI	2H	P
	16	11	DI	2H	
	16	11	SAI	2H	
	21	11	TIN	TSH	
	25	11	17	AV2	
	25	11	21	AV4	
	18	12	73	1H	P
	18	12	77	1H	P
	18	12	73	3H	P
	18	12	73	3H	P
	18	12	SAI	1H	P
	18	12	SAI	1H	P
	18	12	SAI	3H	P
	18	12	SAI	3H	P
	23	12	INR	AV2	
	23	12	16	AV4	
	24	12	INR	AV2	
	25	12	INR	AV1	
	25	12	25	AV2	
	25	12	INR	AV3	
	25	12	23	AV4	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
27	12	INR	AV3	
28	12	INR	AV1	
28	12	INR	AV4	
29	12	20	AV3	
29	12	21	AV4	
30	12	21	AV3	
30	12	19	AV4	
2	13	DIN	7C	P
2	13	SAI	1H	P
8	13	SCI	1H	P
8	13	SCI	2H	P
8	13	SCI	1H	P
8	13	SCI	2H	P
10	13	DI	1H	P
10	13	SAI	1H	P
11	13	SCI	2H	P
11	13	SCI	2H	P
22	13	INR	AV3	
23	13	INR	AV1	
23	13	INR	AV2	
23	13	INR	AV3	
23	13	INR	AV4	
25	13	INR	AV1	
25	13	INR	AV3	
25	13	INR	AV4	
26	13	21	AV1	
27	13	21	AV1	
27	13	27	AV3	
27	13	24	AV4	
28	13	INR	AV3	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
29	13	23	AV1	
29	13	INR	AV2	
29	13	INR	AV3	
29	13	INR	AV4	
30	13	23	AV1	
30	13	INR	AV2	
30	13	23	AV3	
30	13	21	AV4	
13	14	90	4H	P
13	14	SAI	4H	P
15	14	SCI	2H	P
15	14	SCI	2H	P
17	14	INR	AV2	P
17	14	INR	AV3	P
17	14	SCI	2H	P
17	14	SCI	2H	P
17	14	SCI	2H	P
17	14	SCI	2H	P
24	14	DIN	1H	
24	14	DIN	1H	
24	14	INR	AV4	
25	14	INR	AV1	
25	14	INR	AV4	
26	14	21	AV2	
26	14	INR	AV3	
26	14	20	AV4	
27	14	INR	AV3	
29	14	DIN	4H	
12	15	DI	1H	P
12	15	94	1H	P
12	15	SAI	1H	P
12	15	SAI	1H	P
20	15	SAI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
27	15	INF	AV2	
28	15	INF	AV4	
29	15	INR	AV1	
29	15	INF	AV4	
30	15	INF	AV3	
4	16	TIN	TSH	
16	16	INF	AV1	
17	16	INR	AV3	
18	16	SCI	2H	P
18	16	SCI	2H	P
21	16	INF	4H	
26	16	INF	AV2	
29	16	DIN	6H	
29	16	25	AV2	
29	16	INF	AV3	
29	16	27	AV4	
32	16	27	AV1	
32	16	INF	AV2	
32	16	20	AV4	
33	16	15	AV1	
33	16	21	AV4	
4	17	35	TSH	
8	17	SAI	2H	P
13	17	DIN	6C	
22	17	INF	3H	
23	17	INF	3H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
25	17	DIN	3H	
25	17	INF	AV3	
29	17	DIN	2H	
29	17	DIN	3H	
29	17	DIN	4H	
31	17	INF	4H	
4	18	DIN	3H	
4	18	RSP		
21	18	23	AV3	
23	18	26	AV3	
23	18	22	AV4	
24	18	26	AV3	
24	18	22	AV4	
25	18	20	AV3	
29	18	INF	AV2	
29	18	22	AV3	
29	18	22	AV4	
33	18	19	AV3	
17	19	22	AV3	
26	19	27	AV3	
27	19	25	AV3	
29	19	23	AV3	
31	19	INF	AV3	
35	19	18	AV4	
2	20	RST	UB	P
2	20	RST	6H	P
2	20	SCI	2H	P
2	20	SCI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
29	20	DIN	1H	
30	20	INF	AV1	
30	20	INF	AV4	
32	20	21	AV3	
32	20	24	AV4	
33	20	17	AV3	
36	20	DIN	3H	
36	20	INF	AV4	
10	21	SCI	1H	P
10	21	SCI	1H	P
11	21	INF	TSH	
14	21	SCI	2H	P
14	21	SCI	2H	P
23	21	DIN	6H	
23	21	25	AV2	
23	21	28	AV3	
24	21	36	AV2	
24	21	INR	AV3	
25	21	INR	AV2	
25	21	INR	AV3	
25	21	INR	AV4	
27	21	30	AV3	
28	21	22	AV3	
29	21	23	AV2	
29	21	31	AV3	
29	21	INR	AV4	
33	21	INR	AV2	
33	21	22	AV3	
36	21	SCI	1H	P
36	21	SCI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
37	21	INR	AV3	P
37	21	SAI	2H	P
3	22	SCI	2H	P
3	22	SCI	2H	P
16	22	SCI	TSH	P
16	22	SCI	TSH	P
16	22	SCI	TSH	P
18	22	INR	5H	
21	22	SCI	2H	P
21	22	SCI	2H	P
21	22	SCI	2H	P
24	22	24	AV3	
26	22	DIN	4H	
29	22	DIN	6H	
32	22	DIN	4H	
33	22	17	AV4	
35	22	SCI	1H	P
35	22	SCI	1H	P
2	23	DI	1H	P
2	23	DI	2H	P
2	23	MAI	1H	P
2	23	MAI	1H	P
2	23	SAI	2H	P
3	23	95	1H	P
3	23	MAI	1H	P
3	23	MAI	1H	P
19	23	INR	AV3	
25	23	27	AV3	
26	23	28	AV3	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
29	23	28	AV3	
32	23	29	AV3	
33	23	DIN	4H	
35	23	INR	AV3	
6	24	SCI	2H	P
6	24	SCI	2H	P
7	24	SCI	TSH	P
7	24	SCI	TSH	P
7	24	SAI	1H	P
7	24	SCI	TSH	P
9	24	INR	AV4	
15	24	MAI	2H	P
15	24	MAI	2H	P
20	24	INF	AV2	
22	24	SCI	1H	P
22	24	MCI	2H	P
22	24	MCI	2H	P
22	24	SCI	1H	P
22	24	SCI	2H	P
23	24	DIN	6H	
26	24	DIN	6H	
27	24	INF	AV3	
32	24	DIN	7H	
38	24	INF	AV4	
16	25	INF	AV4	
19	25	INF	AV1	
20	25	SCI	2H	P
20	25	SCI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
21	25	SCI	2H	P
21	25	SCI	2H	P
39	25	SCI	2H	P
39	25	SCI	2H	P
32	26	INR	AV3	
32	26	27	AV4	
34	26	19	AV4	
40	26	INF	7H	
5	27	SCI	1H	P
5	27	SCI	1H	P
7	27	96	1H	P
7	27	SAI	1H	P
8	27	SAI	2H	P
13	27	INF	AV2	
14	27	DI	1H	P
14	27	SAI	1H	P
21	27	INF	AV3	P
21	27	SAI	1H	P
23	27	INR	AV1	
23	27	INR	AV3	
37	27	SCI	1H	P
37	27	SCI	2H	P
37	27	SCI	2H	P
37	27	SCI	1H	P
37	27	SCI	2H	P
37	27	SCI	2H	P
9	28	SCI	2H	P
9	28	SCI	2H	P
11	28	SAI	3H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
12	28	SAI	3H	P
20	28	SCI	2H	P
20	28	SCI	2H	P
24	28	INR	AV3	
27	28	DIN	1H	
28	28	INR	AV1	
28	28	INR	AV3	
28	28	INR	AV4	
32	28	INR	AV2	
32	28	INR	AV3	
35	28	INF	AV3	
37	28	SCI	2H	P
37	28	SCI	2H	P
38	28	INF	AV3	
42	28	INF	AV3	
5	29	SAI	1H	P
9	29	RST	UB	P
9	29	SAI	2H	P
25	29	DIN	1H	
25	29	29	AV3	
28	29	INF	AV3	
3	30	SAI	1H	P
6	30	SCI	1H	P
6	30	SCI	3H	P
6	30	SCI	1H	P
6	30	SCI	3H	P
15	30	SCI	2H	P
15	30	SCI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
17	30	INF	AV2	
26	30	INF	AV3	
41	30	INF	AV1	
6	31	SCI	3H	P
6	31	SCI	3H	P
10	31	SAI	1H	P
15	31	SCI	3H	P
15	31	SCI	3H	P
21	31	SAI	1H	P
25	31	INR	AV2	
25	31	22	AV3	
27	31	INR	AV3	
29	31	INR	AV2	
34	31	INF	AV3	
41	31	13	AV2	
4	32	DIN	6C	
12	32	98	1H	P
12	32	SAI	1H	P
24	32	INR	AV3	
24	32	TIU		
26	32	INF	AV3	
26	32	TIU		
29	32	INF	AV3	
29	32	TIU		
35	32	18	AV1	
35	32	TIU		

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
3	33	SCI	1H	P
3	33	SCI	1H	P
4	33	23	TSH	
6	33	SCI	1H	P
6	33	SCI	1H	P
10	33	SAI	1H	P
10	33	SAI	1H	P
18	33	78	2H	P
18	33	MAI	2H	P
18	33	MAI	2H	P
22	33	SAI	1H	P
22	33	SAI	1H	P
36	33	DIN	5H	
2	34	SCI	1H	P
2	34	SCI	1H	P
8	34	INF	6H	
15	34	SAI	1H	P
15	34	SAI	1H	P
42	34	INR	3H	
4	35	SCI	2H	P
4	35	SCI	3H	P
4	35	SCI	2H	P
4	35	SCI	3H	P
4	35	SCI	3H	P
7	35	INF	6H	
2	35	13	AV2	
33	35	INF	AV2	
43	35	INF	7H	
2	36	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
9	36	MCI	TSH	P
9	36	MCI	TSH	P
9	36	MCI	TSH	P
9	36	MCI	TSH	P
9	36	SCI	1H	P
9	36	MCI	TSH	P
9	36	SCI	1H	P
15	36	SCI	2H	P
15	36	SCI	2H	P
18	36	SAI	1H	P
25	36	SCI	TSH	P *
25	36	SCI	TSH	P *
34	36	DIN	6H	
36	36	24	AV2	
41	36	RST	3H	
41	36	DIN	5H	
41	36	RSP	3H	
41	36	RSP	4H	
41	36	RSP	5H	
41	36	RSP	6H	
41	36	RSP	7H	
41	36	RSP	3H	
41	36	RSP	4H	
41	36	RSP	5H	
41	36	RSP	6H	
41	36	RSP	7H	
42	36	17	AV2	
4	37	SCI	2H	P
4	37	SCI	2H	P
8	37	SCI	2H	P
8	37	SCI	2H	P
8	37	SCI	2H	P
8	37	SCI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
28	37	SCI	1H	P
28	37	SCI	1H	P
29	37	32	TSH	
40	37	INF	AV1	
15	38	22	TSH	
28	38	22	TSH	
29	38	TIN	TSH	
29	38	24	AV3	
32	38	24	AV3	
15	39	26	TSH	
6	40	SAI	1H	P
7	40	SCI	1H	P
7	40	SCI	1H	P
15	40	SCI	2H	P
15	40	SCI	2H	P
19	40	INF	AV1	
19	40	INF	AV2	
19	40	INF	AV3	
19	40	INF	AV4	
41	40	SAI	1H	P
2	41	DIN	2C	P
2	41	SAI	1H	P
2	41	MCI	3H	P
2	41	MCI	3H	P
2	41	MCI	3H	P
2	41	MCI	3H	P
2	41	MCI	3H	P
2	41	MCI	3H	P
2	41	MCI	3H	P
2	41	MCI	3H	P
3	41	DIN	6C	
3	41	DIN	5C	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
4	41	SAI	1H	P
5	41	DI	1H	P
5	41	DI	3H	P
5	41	SAI	1H	P
5	41	SAI	2H	P
5	41	SAI	3H	P
9	41	SAI	4H	P
14	41	18	TSH	
18	41	SCI	3H	P
18	41	SCI	3H	P
22	41	SCI	2H	P
22	41	SCI	2H	P
28	41	SCI	TSH	P
28	41	SAI	1H	P
28	41	SCI	TSH	P
34	41	DI	2H	P
34	41	DIN	3H	P
34	41	SAI	1H	P
34	41	SCI	2H	P
34	41	SCI	2H	P
41	41	DI	2H	P
41	41	SAI	2H	P
4	42	DIN	1H	
10	42	SCI	1H	P
10	42	SCI	1H	P
12	42	INR	AV1	
12	42	INR	AV4	
14	42	INR	TSH	P
14	42	SCI	2H	P
14	42	SCI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
23	42	SCI	2H	P
23	42	SCI	2H	P
26	42	DI	3H	P
26	42	SAI	3H	P
28	42	20	AV1	P
28	42	15	AV2	P
28	42	SAI	1H	P
32	42	DIN	1H	
32	42	24	AV4	
33	42	SAI	1H	P
41	42	96	1H	P
41	42	DIN	2H	P
41	42	SAI	1H	P
4	43	DIN	2H	
35	43	22	AV4	
37	43	SCI	2H	P
37	43	SCI	2H	P
39	43	SCI	1H	P
39	43	SCI	1H	P
39	43	SCI	1H	P
39	43	SCI	1H	P
41	43	DIN	7H	
42	43	17	AV4	
43	43	19	AV4	
44	43	18	AV4	
4	44	DIN	6C	
4	44	DIN	1C	
5	44	DIN	7C	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
13	44	SAI	1H	P
13	44	SAI	1H	P
13	44	SAI	2H	P
19	44	SCI	1H	P
19	44	SCI	1H	P
20	44	22	AV4	
44	44	19	AV4	
46	44	14	AV1	
46	44	16	AV2	
46	44	24	AV3	
6	45	INF	1H	P
6	45	SAI	2H	P
8	45	DIN	7C	
8	45	INF	4C	
8	45	INF	3C	
14	45	SAI	1H	P
33	45	INR	6H	
5	46	DIN	5C	
6	46	INF	4H	
6	46	DIN	6C	
6	46	DIN	6C	
8	46	DIN	6C	
8	46	INF	4C	
8	46	INF	3C	
10	46	SCI	1H	P
10	46	SAI	2H	P
10	46	SCI	1H	P
12	46	DIN	7C	
19	46	INF	3H	P
19	46	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
20	46	SCI	2H	P
20	46	SCI	2H	P
29	46	INF	2H	
33	46	19	AV4	
37	46	INF	AV2	
45	46	SCI	2H	P
45	46	SCI	2H	P
2	47	29	TSH	
6	47	71	4H	P
6	47	SAI	4H	P
10	47	DI	1H	P
10	47	SAI	1H	P
13	47	DIN	3H	
13	47	DIN	4H	
16	47	TIN	TSH	
19	47	INR	AV2	
22	47	DIN	3H	
22	47	DIN	4H	
26	47	INR	4H	
27	47	SCI	1H	P
27	47	SCI	1H	P
28	47	DIN	3H	
28	47	DIN	6H	
30	47	DIN	1H	
30	47	DIN	2H	
30	47	DIN	3H	
34	47	DIN	1H	
34	47	DIN	2H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
38	47	INR	6H	
40	47	DIN	2H	
40	47	DIN	4H	
44	47	INR	6H	
46	47	DIN	4H	
46	47	DIN	6H	
46	47	18	AV2	
46	47	18	AV3	
46	47	17	AV4	
5	48	INF	4H	
26	48	SAI	1H	P
28	48	71	1H	P
28	48	SAI	1H	P
31	48	TIN	TSC	
36	48	INF	AV2	
46	48	18	AV2	
46	48	21	AV3	
14	49	INF	AV1	
14	49	INF	AV1	
18	49	DIN	2H	
29	49	SAI	1H	P
33	49	INR	TSH	
46	49	INF	AV3	
18	50	INF	AV1	
18	50	INF	AV3	
26	50	24	TSH	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
29	50	28	TSH	
33	50	SAI	1H	P
41	50	INR	AV1	
42	50	14	AV1	
43	50	15	AV1	
2	51	DIN	1H	
16	51	INF	AV1	
20	51	70	1H	P
20	51	SAI	1H	P
20	51	SAI	3H	P
34	51	SAI	1H	P
40	51	SAI	4H	P
45	51	SCI	2H	P
45	51	SCI	2H	P
46	51	15	AV1	
12	52	SAI	1H	P
28	52	17	TSH	
41	52	INF	AV3	
17	53	INF	AV2	
33	53	SAI	1H	P
42	53	INF	AV1	
46	53	17	AV2	P
46	53	INF	AV3	P
46	53	SAI	1H	P
3	54	71	TSH	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
7	54	DIN	5H	
10	54	SCI	1H	P
10	54	SCI	1H	P
14	54	SCI	TSH	P
14	54	SCI	TSH	P
27	54	SCI	TSH	P
27	54	SCI	TSH	P
34	54	SAI	1H	P
35	54	MAI	1H	P
35	54	MAI	1H	P
36	54	17	AV3	
39	54	SAI	1H	P
43	54	SAI	1H	P
44	54	21	AV3	
4	55	DIN	3H	
4	55	DIN	3H	
7	55	DIN	1H	
24	55	INR	AV1	
24	55	INR	AV2	
41	55	INF	AV1	
41	55	INF	AV2	
42	55	-	-	P **
43	55	DIN	7H	
44	55	INF	1H	
44	55	DIN	6H	
44	55	DIN	7H	
3	56	DIN	3H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY,'FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
9	56	SAI	3H	P
13	56	SAI	1H	P
16	56	SCI	TSH	P
16	56	SCI	TSH	P
37	56	INF	6C	
43	56	DIN	7H	
4	57	DIN	4H	
7	57	TIN	TSC	
10	57	INF	6H	
20	57	INF	AV3	
28	57	INF	TSH	
30	57	INF	TSH	
43	57	13	AV2	
8	58	SCI	1H	P
8	58	SCI	1H	P
23	58	INF	6H	
25	58	INF	AV3	
28	58	23	AV3	
45	58	21	AV2	
10	59	DIN	1H	
20	59	DIN	2H	
21	59	INF	AV2	
25	59	DIN	1H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
26	59	SCI	3H	P
26	59	SCI	3H	P
28	59	TIN	TSH	
30	59	INF	TSH	
5	60	INF	1H	
13	60	DIN	7C	
13	60	DIN	7C	
13	60	DIN	6C	
13	60	DIN	6C	
18	60	DIN	3H	P
18	60	DIN	7C	P
18	60	SCI	1H	P
18	60	SCI	1H	P
25	60	27	AV3	
27	60	19	AV3	
28	60	22	AV1	
30	60	INF	AV1	
37	60	INR	AV4	
44	60	INR	AV3	
4	61	DIN	6C	
44	61	DIN	4H	
4	62	DIN	1H	
36	62	MCI	2H	P
36	62	MCI	2H	P
36	62	MCI	2H	P
36	62	MCI	2H	P
3	63	SAI	4H	P
4	63	DIN	5C	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
41	63	17	AV4	
9	64	DIN	6C	
10	64	DIN	1H	
10	64	DIN	1H	
18	64	INF	AV3	
24	64	20	AV1	
26	64	SAI	1H	P
34	64	SAI	2H	P
38	64	RST	1H	
38	64	DIN	7H	
38	64	RSP	2H	
38	64	RSP	3H	
38	64	RSP	4H	
38	64	RSP	5H	
38	64	RSP	6H	
38	64	RSP	7H	
2	65	INR	1H	
9	65	SCI	1H	P
9	65	SCI	1H	P
13	65	SCI	1H	P
13	65	SCI	1H	P
14	65	DIN	1H	
16	65	SAI	1H	P
18	65	DIN	1H	
18	65	DIN	2H	
23	65	DIN	1H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
36	65	DIN	6H	
36	65	21	AV3	
3	66	INR	1H	
4	66	DI	3H	P
4	66	DI	6H	P
4	66	DI	3H	P
4	66	DI	6H	P
4	66	98	3H	P
4	66	DI	6H	P
4	66	SAI	3H	P
4	66	SAI	6H	P
10	66	SAI	1H	P
24	66	17	AV3	
29	66	13	AV1	
32	66	DI	2H	P
32	66	SAI	2H	P
37	66	DIN	3H	
40	66	DIN	2H	
42	66	DIN	4H	
3	67	TIN	TSH	
30	67	DIN	3H	
32	67	DIN	2H	
32	67	15	AV2	
32	67	19	AV3	
32	67	17	AV4	
2	68	LIN	5C	
4	68	TIN	TSH	
4	68	DIN	4H	
8	68	INF	AV1	P
8	68	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
40	68	15	AV2	
36	69	INF	7H	
2	70	INR	1H	
10	70	DIN	2H	
15	70	95	1H	P
15	70	DI	1H	P
15	70	SAI	1H	P
27	71	INF	5H	
28	71	INF	6H	
28	71	INF	7H	
6	72	INF	6H	
8	72	INF	5C	
9	72	INF	3C	
13	72	SAI	1H	P
14	72	INF	AV1	
14	72	INF	AV4	
21	72	INF	AV1	
26	72	INF	7H	
29	72	INF	7H	
34	72	INF	AV2	
35	72	78	2H	P
35	72	SAI	2H	P
38	72	DI	1H	P
38	72	SAI	1H	P
13	73	INF	AV1	
13	73	INF	AV4	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
16	73	INF	1H	
17	73	INF	AV2	
18	73	INF	AV3	
21	73	INF	AV1	
27	73	INF	5H	
27	73	INF	7H	
29	73	DIN	4H	
36	73	INF	AV1	
36	73	INF	AV2	
38	73	INF	AV1	
38	73	INF	AV2	
39	73	DIN	3H	
12	74	SCI	TSH	P
12	74	SCI	TSH	P
15	74	SAI	1H	P
33	74	DI	2H	P
33	74	MAI	2H	P
33	74	MAI	2H	P
3	75	RST	UB	
3	75	RST	6H	
3	75	DIN	4C	
3	75	DIN	4C	
4	75	TIN	TSH	
5	75	TIN	TSC	
16	75	DIN	4H	
28	75	DIN	1H	
30	75	INF	6H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
2	76	DIN	2H	P
2	76	DIN	3H	P
2	76	83	5H	P
2	76	SAI	5H	P
12	76	INF	7H	
16	76	MAI	1H	P
16	76	MAI	1H	P
22	76	DIN	5H	
27	76	INF	AV1	
27	76	INF	AV2	
4	77	TIN	TSH	
15	77	SAI	1H	P
15	77	SAI	1H	P
24	77	INF	1H	
24	77	INF	AV3	
27	77	INF	6H	
29	77	INF	6H	
30	77	INF	7H	
32	77	INF	1H	
33	77	INF	AV2	
34	77	INF	2H	
31	78	DIN	5H	
34	78	INF	6H	
35	78	INR	1H	
24	79	INR	1H	
27	79	INR	5H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
28	79	INR	7H	
30	79	INR	7H	
31	79	INF	7H	
34	79	INR	5H	
27	80	17	AV3	
28	82	INF	AV1	
29	82	INF	AV1	
6	83	DIN	2H	
22	83	SCI	2H	P
22	83	SCI	2H	P
26	83	INR	AV2	
2	84	DIN	4H	
8	84	DIN	7H	
11	84	DIN	7H	
13	85	DIN	1H	
25	85	17	AV4	
25	86	DIN	1H	
25	86	22	AV4	
15	87	DIN	2H	
18	87	19	AV4	
5	88	DIN	1H	
20	88	DIN	1H	
21	88	DIN	1H	
22	88	24	AV3	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "B" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
2	89	DIN	3H	
14	89	DIN	1H	
17	89	18	AV1	
17	89	15	AV4	
21	89	DIN	2H	
21	89	21	AV3	
11	90	DIN	2H	
13	90	DI	1H	P
13	90	SAI	1H	P
14	90	DIN	2H	
17	90	DIN	2H	
19	90	DIN	2H	
12	91	DIN	1H	
14	91	DIN	1H	
15	91	DIN	2H	
12	92	DIN	1H	
13	92	DIN	1H	
14	92	DIN	2H	
15	92	DIN	2H	
7	93	DIN	1H	
5	94	DIN	1H	

P = PLUGGED

* STABILIZERS INSTALLED

** VIRGINIA POWER DECISION TO PLUG AS A PRECAUTIONARY MEASURE

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
8	2	DIN	2H	
6	3	SCI	1H	P
11	3	DIN	4H	
2	4	SAI	1H	P
6	4	SAI	3H	P
8	4	DIN	1H	
12	4	RST	2H	P
14	4	SCI	1H	P
14	4	SCI	1H	P
12	5	SCI	1H	P
12	5	SCI	3H	P
12	5	SCI	1H	P
13	5	SCI	1H	P
13	5	SCI	1H	P
16	5	SCI	2H	P
16	5	SCI	2H	P
17	5	DIN	1H	
14	6	SCI	2H	P
14	6	SCI	2H	P
17	6	SAI	2H	P
17	6	SAI	2H	P
2	7	DIN	1H	
3	7	SAI	2H	P
4	7	DIN	4H	
5	7	DIN	2H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
16	7	MAI	1H	P
16	7	MAI	1H	P
16	7	MAI	1H	P
16	7	MAI	1H	P
17	7	SAI	1H	P
21	7	MAI	1H	P
21	7	MAI	1H	P
21	7	MAI	1H	P
21	7	MAI	1H	P
2	8	DIN	1H	
14	8	SCI	3H	P
14	8	SCI	3H	P
25	8	SAI	2H	P
25	8	SAI	2H	P
4	9	SAI	1H	P
4	9	SAI	1H	P
8	9	RST	2H	P
15	9	SAI	2H	P
16	9	24	AV3	
20	9	19	AV2	P
20	9	17	AV3	P
20	9	19	AV4	P
20	9	SAI	3H	P
20	9	MCI	3H	P
20	9	MCI	3H	P
20	9	PMI	3H	P
20	9	MCI	3H	P
20	9	MCI	3H	P
4	10	DIN	1H	
4	10	DIN	6H	
12	10	SCI	1H	P
12	10	SCI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
14	10	86	2H	P
14	10	SAI	2H	P
14	10	SCI	2H	P
14	10	SAI	3H	P
14	10	SAI	3H	P
14	10	SCI	2H	P
14	10	SCI	2H	P
14	10	SAI	2H	P
16	10	SAI	2H	P
19	10	20	AV3	
24	10	SCI	3H	P
24	10	MCI	3H	P
24	10	MCI	3H	P
24	10	MCI	3H	P
24	10	MCI	3H	P
24	10	SCI	3H	P
5	11	DIN	4H	P
5	11	MAI	1H	P
5	11	MAI	1H	P
5	11	SCI	3H	P
5	11	SAI	3H	P
5	11	MCI	1H	P
5	11	MCI	1H	P
5	11	SAI	1H	P
5	11	PMI	1H	P
5	11	SCI	3H	P
5	11	SCI	3H	P
5	11	MAI	1H	P
5	11	MAI	1H	P
7	11	DIN	1H	
18	11	SAI	1H	P
20	11	DIN	2H	
24	11	SAI	1H	P
24	11	SAI	1H	P
26	11	SAI	TSH	P
26	11	SAI	TSH	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
27	11	TI	TSH	P
27	11	SAI	TSH	P
27	11	SAI	TSH	P
7	12	DIN	1H	
24	12	18	AV2	
24	12	24	AV3	
24	12	20	AV4	
25	12	DI	1H	P
25	12	SAI	1H	P
2	13	DIN	1H	
6	13	95	2H	P
6	13	95	2H	P
6	13	SAI	2H	P
6	13	SAI	2H	P
4	14	DI	2H	P
4	14	SAI	2H	P
9	14	100	2H	P
9	14	SAI	2H	P
9	14	SAI	2H	P
11	14	SCI	3H	P
12	14	DIN	2H	
16	14	DIN	3H	
26	14	20	AV1	
26	14	23	AV2	
2	15	TIN	TSH	
6	15	DIN	2H	
18	15	DIN	2H	
20	15	DIN	7H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
11	16	SCI	1H	P
11	16	SCI	1H	P
26	16	SAI	1H	P
27	16	92	1H	P
27	16	MAI	1H	P
27	16	MAI	1H	P
27	16	MAI	1H	P
27	16	MAI	1H	P
29	16	SAI	1H	P
29	16	SCI	1H	P
29	16	PMI	1H	P
31	16	17	AV3	
19	17	93	1H	P
19	17	SAI	1H	P
24	17	SAI	1H	P
27	17	SAI	6H	P
8	18	DIN	3H	
17	18	51	1H	P
17	18	PID	1H	P
17	18	SAI	1H	P
27	18	SAI	6H	P
27	18	SAI	6H	P
30	18	SCI	2H	P
30	18	SCI	2H	P
2	19	DIN	2H	
11	19	SAI	1H	P
11	19	SAI	2H	P
11	19	SAI	1H	P
11	19	SAI	2H	P
15	19	35	TSH	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
20	19	21	AV3	
22	19	15	AV3	P
22	19	SAI	4H	P
22	19	SAI	4H	P
28	19	22	AV3	
28	19	17	AV4	
30	19	17	AV3	
34	19	17	AV3	
36	19	INF	AV3	
36	19	INF	AV4	
37	19	INF	AV4	
5	20	SAI	2H	P
20	20	SAI	1H	P
20	20	SAI	1H	P
22	20	SAI	1H	P
22	20	SAI	1H	P
37	20	RST	3H	P
11	21	INF	TSH	
12	21	SAI	2H	P
16	21	SCI	2H	P
16	21	SAI	2H	P
16	21	SCI	2H	P
16	21	SCI	1H	P
16	21	SCI	2H	P
16	21	SCI	1H	P
22	21	SAI	1H	P
2	22	DIN	1H	P
2	22	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
5	22	24	TSH	P
5	22	SCI	1H	P
5	22	SCI	1H	P
15	22	29	TSH	P
15	22	SCI	1H	P
15	22	SCI	2H	P
15	22	SCI	1H	P
15	22	SCI	2H	P
32	22	DI	2H	P
32	22	SAI	2H	P
2	23	SAI	1H	P
10	23	SCI	1H	P
10	23	SCI	2H	P
10	23	MAI	3H	P
10	23	MAI	3H	P
10	23	MAI	3H	P
10	23	MAI	3H	P
10	23	SCI	1H	P
10	23	SCI	2H	P
10	23	SCI	3H	P
20	23	37	TSH	P
20	23	34	TSH	P
22	23	21	AV2	
22	23	23	AV3	
22	23	22	AV4	
23	23	SAI	4H	
23	23	SAI	4H	
30	23	SCI	1H	P
30	23	SCI	1H	P
32	23	INF	AV3	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
5	24	SAI	2H	P
5	24	SCI	3H	P
5	24	SCI	3H	P
5	24	SAI	2H	P
5	24	SCI	3H	P
5	24	SCI	3H	P
6	24	SAI	4H	P
8	24	SCI	3H	P
8	24	SCI	3H	P
8	24	SCI	3H	P
11	24	DIN	6H	
17	24	44	TSH	P
17	24	59	TSH	P
19	24	TIN	TSH	
23	24	INR	5H	
35	4	SAI	1H	P
37	24	24	AV1	
37	24	27	AV2	
37	24	22	AV3	
3	25	SAI	2H	P
3	25	SAI	4H	P
3	25	SAI	2H	P
3	25	SAI	4H	P
23	25	SCI	3H	P
23	25	SCI	3H	P
7	26	SCI	1H	P
7	26	SAI	3H	P
7	26	SCI	1H	P
9	26	DIN	7H	
10	26	SAI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
22	26	SCI	1H	P
22	26	SCI	1H	P
40	26	25	1H	
2	27	MAI	1H	P
2	27	MAI	1H	P
12	27	DIN	2H	
15	27	DIN	3H	
21	27	SCI	TSH	P
21	27	SCI	TSH	P
24	27	SCI	2H	P
24	27	SCI	2H	P
24	27	SCI	2H	P
24	27	SCI	2H	P
38	27	22	AV3	
16	28	DI	2H	P
16	28	DI	2H	P
16	28	SAI	2H	P
10	29	MCI	2H	P
10	29	MCI	2H	P
10	29	SAI	2H	P
10	29	SCI	2H	P
10	29	25	TSH	P
10	29	MCI	2H	P
10	29	MCI	2H	P
10	29	SAI	2H	P
10	29	SCI	2H	P
18	29	DI	2H	P
18	29	SAI	2H	P
30	29	INR	AV3	
16	30	SCI	1H	P
16	30	SCI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
18	30	SCI	2H	P
18	30	SCI	2H	P
25	30	INR	AV3	
31	30	INF	AV2	
37	30	INF	AV2	
40	30	INF	AV1	
40	30	INF	AV2	
7	31	DIN	3H	
7	31	DIN	3H	
7	31	DIN	4H	
7	31	DIN	4H	
8	31	DIN	3H	
8	31	DIN	4H	
8	31	DIN	5H	
8	31	DIN	5H	
9	31	DIN	3H	
9	31	DIN	5H	
9	31	DIN	5H	
9	31	DIN	6H	
9	31	DIN	6H	
10	31	DIN	4H	
10	31	DIN	5H	
10	31	DIN	6H	
11	31	DIN	6H	
14	31	DIN	5H	
14	31	DIN	6H	
17	31	DIN	5H	
20	31	DIN	4H	
20	31	DIN	5H	
20	31	DIN	6H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
31	31	DIN	2H	
31	31	DIN	3H	
38	31	INF	AV3	P
38	31	SCI	2H	P
38	31	SCI	2H	P
39	31	INR	AV3	
40	31	INR	AV2	P
40	31	INR	AV3	P
40	31	26	2C	P
40	31	SCI	2H	P
40	31	SCI	2H	P
41	31	INF	AV3	
7	32	DIN	2H	
7	32	DIN	4H	
7	32	DIN	6H	
8	32	DIN	6H	
13	32	DIN	4H	
13	32	DIN	6H	
14	32	DIN	4H	
14	32	DIN	5H	
14	32	DIN	6H	
25	32	DIN	6H	
41	32	DIN	4H	
43	32	DIN	6H	
5	33	SCI	1H	P
5	33	SCI	1H	P
6	33	DI	1H	P
6	33	DIN	2H	P
6	33	DIN	6C	P
6	33	SCI	1H	P
6	33	SAI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
8	33	DIN	5H	P
8	33	SAI	2H	P
8	33	PMI	2H	P
8	33	SCI	2H	P
9	33	SCI	4H	P
9	33	DIN	7H	P
12	33	20	TSH	
14	33	DIN	6C	
14	33	DIN	5C	
15	33	DIN	1H	
15	33	DIN	4H	
21	33	INF	AV4	
25	33	19	AV3	
32	33	24	AV3	
36	33	SCI	2H	P
36	33	SCI	2H	P
36	33	SCI	2H	P
36	33	SCI	2H	P
38	33	RST	2H	P
44	33	DIN	1H	
44	33	DIN	2H	
44	33	DIN	4H	
44	33	DIN	5H	
2	34	TIN	TSH	
10	34	DIN	4H	
11	34	DI	1H	P
11	34	SAI	1H	P
12	34	19	TSH	
13	34	DIN	7H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
15	34	DIN	1H	
21	34	SCI	1H	P
21	34	SCI	1H	P
23	34	TIN	TSH	
41	34	19	AV3	
11	35	SAI	2H	P
11	35	SAI	2H	P
12	35	SCI	3H	P
12	35	SCI	3H	P
13	35	25	TSH	P
13	35	SCI	1H	P
13	35	SCI	1H	P
14	35	INR	TSH	
25	35	SAI	1H	P
25	35	SAI	1H	P
38	35	RST	2H	P
39	35	SCI	2H	P
4	36	SCI	1H	P
4	36	SCI	3H	P
4	36	SCI	3H	P
4	36	SCI	4H	P
4	36	SCI	4H	P
4	36	SCI	1H	P
4	36	SCI	3H	P
4	36	SCI	3H	P
4	36	SCI	4H	P
4	36	SCI	4H	P
7	36	SCI	1H	P

NORTH ANNA UNIT 2
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
11	36	SAI	1H	P
11	36	SAI	2H	P
11	36	SAI	1H	P
11	36	SAI	2H	P
12	36	15	TSH	
14	36	SAI	1H	P
14	36	SAI	1H	P
24	36	SCI	1H	P
24	36	SCI	1H	P
33	36	SAI	1H	P
33	36	SAI	1H	P
38	36	RST	2H	P
40	36	RST	2H	P
5	37	SCI	5H	P
5	37	SCI	5H	P
7	37	TIN	TSH	P
7	37	SCI	4H	P
7	37	SCI	4H	P
13	37	32	TSH	
26	37	DI	1H	P
26	37	SAI	1H	P
26	37	SAI	1H	P
32	37	TIN	TSH	P
32	37	SCI	2H	P
32	37	SCI	2H	P
43	37	DIN	1H	
12	38	TIN	TSH	
23	38	DI	2H	P
23	38	SAI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
28	38	INF	TSH	
28	38	INR	AV2	
28	38	INR	AV3	
31	38	INR	AV3	
32	38	INR	AV3	
33	38	INR	AV1	
33	38	INR	AV2	
4	39	TIN	TSH	
11	39	SCI	1H	P
11	39	SCI	1H	P
12	39	22	TSH	
13	39	6	TSH	P
13	39	SCI	1H	P
13	39	SCI	1H	P
13	39	SCI	2H	P
13	39	SCI	2H	P
13	39	SCI	3H	P
13	39	SCI	3H	P
13	39	SCI	1H	P
13	39	SCI	1H	P
13	39	SCI	2H	P
13	39	SCI	2H	P
13	39	SCI	3H	P
13	39	SCI	3H	P
18	39	INF	AV1	
30	39	INF	AV3	
5	40	93	2H	P
5	40	SAI	2H	P
5	40	SAI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
6	40	SCI	2H	P
6	40	SAI	3H	P
6	40	SCI	3H	P
6	40	PMI	3H	P
6	40	SAI	4H	P
6	40	SCI	2H	P
6	40	SCI	3H	P
6	40	SAI	4H	P
8	40	INF	TSH	
25	40	SCI	2H	P
25	40	SCI	2H	P
36	40	SAI	1H	P
36	40	SAI	1H	P
39	40	14	AV3	
41	40	16	AV3	
14	41	INF	TSH	
15	41	SCI	2H	P
15	41	SCI	2H	P
30	41	INF	TSH	
34	41	83	1H	P
34	41	MAI	1H	P
34	41	MAI	1H	P
45	41	RST	3H	P
11	42	INF	TSH	
11	42	TIN	TSH	
12	42	18	TSH	
26	42	34	TSH	
26	42	36	TSH	
34	42	SAI	2H	P
34	42	SAI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
41	42	SAI	3H	P
41	42	SCI	3H	P
41	42	SCI	3H	P
45	42	SCI	2H	P
45	42	SCI	2H	P
3	43	DI	1H	P
3	43	SCI	1H	P
3	43	SAI	1H	P
3	43	PMI	1H	P
3	43	SCI	1H	P
3	43	SCI	2H	P
3	43	SAI	1H	P
3	43	SAI	1H	P
3	43	SCI	2H	P
8	43	SAI	1H	P
10	43	13	TSH	
15	43	SCI	2H	P
15	43	SCI	2H	P
19	43	24	AV4	
20	43	SAI	2H	P
20	43	SAI	2H	P
37	43	SCI	2H	P
37	43	SCI	2H	P
16	44	SAI	3H	P
16	44	SAI	4H	P
16	44	SAI	3H	P
16	44	SAI	4H	P
18	44	MCI	2H	P
18	44	MCI	2H	P
18	44	MCI	2H	P
18	44	MCI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
36	44	SCI	2H	P
36	44	SCI	2H	P
36	44	SCI	2H	P
36	44	SCI	2H	P
11	45	43	3H	P
11	45	PID	3H	P
17	45	19	AV4	
19	45	98	2H	P
19	45	88	2H	P
19	45	DIN	4H	P
19	45	24	AV4	P
19	45	SCI	TSH	P
19	45	SCI	TSH	P
19	45	MAI	2H	P
19	45	MAI	2H	P
19	45	SAI	2H	P
46	45	DIN	2H	
16	46	SCI	2H	P
16	46	SCI	2H	P
17	46	DIN	2H	
18	46	87	1H	P
18	46	SAI	1H	P
18	46	SCI	1H	P
18	46	PMI	1H	P
27	46	SCI	TSH	P
27	46	SCI	TSH	P
34	46	30	TSH	
34	46	20	TSH	
26	47	DI	1H	P
26	47	87	1H	P
26	47	SAI	1H	P
26	47	SAI	2H	P
26	47	SAI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
37	47	SCI	2H	P
37	47	SCI	2H	P
7	48	DIN	1H	
28	48	SCI	TSH	P
28	48	SCI	TSH	P
8	49	SCI	1H	P
8	49	SCI	1H	P
9	49	SCI	1H	P
9	49	SCI	1H	P
9	49	SCI	1H	P
9	49	SCI	1H	P
14	49	17	TSH	P
14	49	DI	2H	P
14	49	24	TSH	P
14	49	24	TSH	P
14	49	SAI	2H	P
15	49	SCI	1H	P
15	49	SCI	3H	P
15	49	SCI	1H	P
15	49	SCI	3H	P
16	49	SAI	2H	P
16	49	SAI	2H	P
16	49	SAI	2H	P
16	49	SAI	2H	P
17	49	SCI	TSH	P
19	49	DIN	2H	
37	49	SCI	2H	P
37	49	SCI	2H	P
37	49	SCI	2H	P
37	49	SCI	2H	P
22	50	SAI	2H	P
25	50	MCI	TSH	P
25	50	MCI	TSH	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
40	50	17	AV4	
44	50	SCI	2H	
44	50	SCI	2H	
7	51	DIN	1H	
18	51	DI	4H	P
18	51	SAI	4H	P
18	51	SAI	4H	P
35	51	SCI	2H	P
35	51	SCI	2H	P
35	51	SCI	2H	P
35	51	SCI	2H	P
5	52	21	TSH	
20	52	SCI	2H	P
20	52	SCI	2H	P
28	52	DIN	3H	
28	52	DIN	4H	
36	52	SCI	3H	P
36	52	SCI	3H	P
12	53	DIN	4H	
19	53	DIN	3H	
30	53	DIN	3H	
39	53	DIN	3H	
42	53	SAI	2H	P
42	53	SAI	2H	P
43	53	DIN	4H	
44	53	DIN	5H	
11	54	DIN	1H	
11	54	DIN	1H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
18	54	SCI	2H	P
18	54	97	2H	P
18	54	DI	2H	P
18	54	SCI	2H	P
20	54	DIN	2H	
23	54	DIN	2H	
26	54	DIN	2H	
27	54	DIN	4H	
37	54	SCI	3H	P
16	55	SCI	2H	P
16	55	SCI	2H	P
27	55	34	TSH	
33	55	DIN	1H	P
33	55	SAI	1H	P
14	56	DIN	1H	
25	56	DIN	2H	P
25	56	SCI	TSH	P
25	56	SCI	TSH	P
26	56	85	2H	P
26	56	SAI	2H	P
7	57	SCI	1H	P
7	57	SCI	1H	P
10	57	96	2H	P
10	57	99	5H	P
10	57	SAI	2H	P
10	57	SAI	5H	P
13	57	DIN	3H	
15	57	DIN	2H	
15	57	DIN	2H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
21	57	INF	TSH	
22	57	DIN	4H	
25	57	DIN	3H	P
25	57	DIN	4H	P
25	57	DIN	6H	P
25	57	SCI	TSH	P
30	57	DIN	5H	
32	57	98	2H	P
32	57	SAI	2H	P
34	57	DIN	4H	
34	57	DIN	5H	
37	57	DIN	1H	
40	57	DIN	1H	
41	57	DIN	5H	
43	57	DIN	4H	
12	58	97	1H	P
12	58	SAI	1H	P
20	58	33	1H	
43	58	32	AV1	
44	58	-	-	P *
28	59	SCI	2H	P
28	59	SCI	2H	P
12	60	SCI	1H	P
12	60	SCI	1H	P
27	60	26	TSH	P
27	60	SCI	2H	P
27	60	SCI	2H	P
43	60	DIN	1H	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
10	61	99	1H	P
10	61	99	1H	P
10	61	SAI	1H	P
27	61	INF	TSH	
28	61	SCI	2H	P
28	61	SCI	2H	P
17	62	SCI	2H	P
17	62	SCI	2H	P
6	63	25	TSH	P
6	63	DI	1H	P
6	63	SAI	1H	P
17	63	SAI	2H	P
23	63	DIN	2H	P
28	63	DIN	3H	
30	63	SCI	2H	P
30	63	SCI	2H	P
31	63	INF	AV3	
11	64	80	1H	P
11	64	SAI	1H	P
14	64	DIN	1H	
14	64	DIN	1H	
20	64	DIN	3H	
23	64	96	2H	P
23	64	SAI	2H	P
29	64	SCI	2H	P
29	64	SAI	2H	P
29	64	SCI	2H	P
29	64	74	2H	P
29	64	89	2H	P
29	64	SCI	2H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
31	64	DIN	3H	P
31	64	DIN	3H	P
31	64	SAI	2H	P
9	65	SCI	2H	P
9	65	SCI	2H	P
9	65	38	TSH	P
9	65	SCI	2H	P
9	65	SCI	3H	P
9	65	SCI	3H	P
10	65	DI	1	P
10	65	SAI	1H	P
30	65	50	2H	P
30	65	SAI	2H	P
4	66	SCI	1H	P
24	66	SCI	1H	P
24	66	SCI	1H	P
15	67	SAI	1H	P
29	67	17	AV2	
29	67	23	AV3	
30	67	SCI	2H	P
30	67	SCI	2H	P
30	67	SAI	2H	P
30	67	PMI	2H	P
34	68	SCI	2H	P
34	68	SCI	2H	P
7	69	SCI	3H	P
7	69	SCI	3H	P
24	69	19	AV3	
24	69	21	AV4	
29	69	SAI	2H	P
36	69	19	AV3	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
3	70	DIN	3H	P
3	70	SAI	1H	P
3	70	SAI	1H	P
4	70	DI	1H	P
4	70	SAI	1H	P
18	70	-	-	P *
28	70	SCI	2H	P
28	70	SCI	2H	P
30	70	SAI	2H	P
30	70	SCI	2H	P
30	70	PMI	2H	P
30	70	SCI	2H	P
32	70	14	AV3	
35	70	20	AV3	
37	70	20	AV3	
38	70	21	AV3	
39	70	22	AV3	
19	71	29	TSH	
27	71	MCI	2H	P
27	71	MCI	2H	P
27	71	MCI	2H	P
27	71	MCI	2H	P
37	71	19	AV3	
38	71	INR	AV3	
9	72	DIN	1H	
10	72	MCI	TSH	P
10	72	MCI	TSH	P
20	72	20	AV4	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
4	72	25	AV3	
24	72	27	AV4	
25	72	22	AV4	
26	72	SCI	2H	P
26	72	SCI	2H	P
31	72	17	AV3	
31	72	18	AV4	
35	72	20	AV4	
36	72	20	AV4	
37	72	20	AV3	
37	72	22	AV4	
39	72	18	AV3	
39	72	20	AV4	
3	73	DI	4H	P
3	73	SAI	4H	P
24	73	17	AV2	
25	73	21	AV2	
29	73	DIN	2H	
31	73	DIN	2H	
32	73	INR	AV3	
36	73	18	AV3	
37	73	INR	AV3	
18	75	DIN	5H	
19	75	INR	AV3	
21	75	15	AV3	

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
22	75	16	AV3	
25	75	INR	AV3	
27	75	SCI	2H	P
32	75	19	AV3	
34	75	21	AV3	
22	76	18	AV3	
28	76	INF	AV3	
31	76	13	AV3	
35	76	INR	AV3	
37	76	13	AV2	
26	77	DIN	3H	
4	79	DIN	3H	
27	79	INR	7H	
29	79	INF	AV2	
29	79	INF	AV4	
17	80	SCI	1H	P
17	80	SCI	1H	P
27	81	DIN	1H	
3	82	DIN	1H	
3	82	DIN	3H	
7	82	DIN	1H	
16	82	DIN	1H	
11	83	SCI	1H	P

NORTH ANNA UNIT #1
MID - CYCLE OUTAGE - JANUARY/FEBRUARY 1992
UNIT 1 S/G "C" EXAMINATION SUMMARY

Row	Col	Ind	Locn	Remarks
6	86	DIN	4H	P
6	86	SCI	3H	P
6	86	SCI	3H	P
11	86	SCI	2H	P
11	86	SCI	2H	P
14	86	INF	AV4	
12	87	SAI	1H	P
12	87	SAI	1H	P
3	90	DIN	1H	
3	90	DIN	3H	

P = PLUGGED
* = VIRGINIA POWER DECISION TO PLUG AS A PRECAUTIONARY MEASURE

NORTH ANNA UNIT #1
VIRGINIA ELECTRIC AND POWER COMPANY
STEAM GENERATOR EDDY CURRENT TUBE INSPECTION

GLOSSARY OF TERMS

1) COI - Circumferentially Oriented Indication - describes a circumferentially oriented indication signal from Rotating Pancake probe data - either single or multiple signals - SCI or MCI will be used if it is possible to clearly detect the number of signals present.

2) DI - Distorted indication - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics.

3) DIN - Distorted Indication Not Confirmed - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics which was tested by the RPC probe and was not confirmed.

4) INF - Indication Not Found - indicates that a previously reported Indication, from current inspection data or historical data, is not found in the data being analyzed - also used to address the case where a tube/signal is being retested for positive identification (PID) and the retest data does not show any signal present.

5) INR - Indication Not Reportable - indicates that a very small tube wall loss condition exists in the data being analyzed that is below the reportable criteria threshold for this specific inspection - can be used to address indications called in previous inspections that are still detectable but fall below current criteria.

6) MAI - Multiple Axial Indication - describes multiple axially oriented indication signals from Rotating Pancake probe data.

7) MCI - Multiple Circumferentially oriented Indication - describes multiple circumferentially oriented indication signals from Rotating Pancake probe data - COI is used if it is impossible to clearly detect the number of signals present.

8) PI - Possible Indication (retest) - generally used with 8x1 analysis, sometimes with bobbin analysis - describes a potential wall loss condition signal that typically requires a retest for verification - sometimes retested with a special probe, e.g., MRPC, etc.

NORTH ANNA UNIT #1
VIRGINIA ELECTRIC AND POWER COMPANY
STEAM GENERATOR EDDY CURRENT TUBE INSPECTION

9) PID - Positive Identification - verification of a previously reported tube ROW COL identifier and signal - achieved through analysis of a second set of test data - typically used to verify pluggable tube signals - INF is used to describe the condition where a signal is not detectable upon analysis of the second set of data.

10) PMI - Possible Mixed Mode Indication - used when there is a possible cirfumferential and axial indication at the same intersection.

11) RSP - Restricted Support Plate - indicates that the RPC probe listed in the record would not physically pass the location specified or data could not be collected due to denting at the support.

12) RST - Restricted - indicates that the probe listed in the record would not physically pass the location specified.

13) SAI - Single Axial Indication - describes a single axially oriented signal from Rotating Pancake probe data.

14) SCI - Single Circumferentially oriented Indication - describes a single circumferentially oriented indication signal from Rotating Pancake probe data - COI is used if it is impossible to clearly detect the number of signals present.

15) TIN - Tubesheet Indication Not Confirmed - a possible tube wall loss condition that is unquantifiable with a numeric percent call due to the existing signal characteristics which was tested by the RPC probe and not confirmed.

16) TIU - Tube I.D. Uncertain - (retest) - indicates that the ROW and/or COL identifier for a given tube is in doubt and that the tube must be retested.

17) 55 - A number in the indication column shows the % thru wall depth of the indication.

18) TEH - Tube End Hot leg.

19) TEC - Tube End Cold leg.

20) TSH - Top of Tubesheet Hot leg.

21) TSC - Top of Tubesheet Cold leg.

22) #C, #H - (# = number) of Support Plate Hot or Cold leg. e.g., 3H, 6H, 7C.

NORTH ANNA UNIT #1
VIRGINIA ELECTRIC AND POWER COMPANY
STEAM GENERATOR EDDY CURRENT TUBE INSPECTION

23) AV1, AV2, AV3, AV4 - Anti-Vibration Bars 1 thru 4.

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

ATTACHMENT 2

1992 UNIT 1 STEAM GENERATOR INSPECTION OUTAGE
INSERVICE INSPECTION SUMMARY REPORT

OWNER'S REPORT OF REPAIRS AND REPLACEMENTS

NORTH ANNA POWER STATION - UNIT 1

VIRGINIA ELECTRIC AND POWER COMPANY

Repairs and Replacements

Repairs and replacements completed during this inservice inspection period were performed in accordance with Section XI of the ASME Boiler and Pressure Vessel Code, 1983 Edition thru the Summer 1983 Addenda.

The following paragraphs and the attached NIS-2 Forms (Attachment II, pages 5 thru 33) represent those repairs and replacements performed on Class 1 or Class 2 systems:

A) 91-118 - Repaired a 3/4" socket weld on the bottom disc pressurization line for the "A" loop hot leg stop valve 1-RC-MOV-1590, Class 1. The cracked weld was discovered as part of the inspection program for the loop stop valve disc pressurization lines. The repair was completed on 5/20/91.

B) 91-121 - Repaired a 3/4" socket weld on the bottom disc pressurization line for the "B" loop hot leg stop valve 1-RC-MOV-1592, Class 1. The cracked weld was discovered as part of the inspection program for the loop stop valve disc pressurization lines. The repair was completed on 5/20/91.

C) 91-123 - Repaired a 3/4" socket weld on the top disc pressurization line for the "B" Loop hot leg stop valve 1-RC-MOV-1592, Class 1. The cracked weld was discovered as part of the inspection program for the loop stop valve disc pressurization lines. The repair was completed on 5/20/91.

D) 91-126 and 91-126A - Repaired defects in the valve body of the "B" Loop cold stop valve 1-RC-MOV-1593. The defects were discovered as part of the inspection program for the loop stop valve disc pressurization lines. The repair was completed on 5/20/91.

E) 91-226 - Replace 12 studs and 24 nuts one at a time on 10" quench spray valve, 1-QS-1, Class 2. The studs and nuts were replaced to stop a body to bonnet leak. The replacement was completed on 2/3/92.

F) 91-B092 - Replaced 8 studs and 16 nuts on reactor coolant restriction orifice 1-RC-RO-100B, Class 1. The studs and nuts were replaced due to corrosion. The replacement was complete on 7/16/91.

G) 91-B093 - Replaced 12 studs and 24 nuts on safety injection valve 1-SI-MOV-2862A, Class 2. The studs and nuts were replaced due to corrosion. The replacement was complete on 8/6/91.

H) 92-004 - Removed weld spatter from the exterior of a 2" safety injection line, 2"-SI-33-153A-Q2, Class 2. The weld spatter was found during a QC walkdown. The repair was complete on 1/10/92.

I) 92-005 - Removed an arc strike and weld spatter from the exterior of a 3" safety injection line, 3"-SI-256-153A-Q2, Class 2. The arc strike and weld spatter were found during a QC walkdown. The repair was complete on 1/10/92.

J) 92-006 - Removed an arc strike and weld spatter from the exterior of a 3" safety injection line, 3"-SI-34-153A-Q2, Class 2. The arc strike and weld spatter were found during a QC walkdown. The repair was complete on 1/10/92.

K) 92-007 - Removed an arc strike and weld spatter from the exterior of a 3" safety injection line, 3"-SI-254-153A-Q2, Class 2. The arc strike and weld spatter were found during a QC walkdown. The repair was complete on 1/22/92.

L) 92-008 - Removed a 3/32" indication on a 3/4" socket weld to safety injection valve 1-SI-308, Class 2. The indication was found on the final PT exam performed after the new valve was installed. The repair was complete on 1/9/92.

M) 92-009 - Removed a 3/16" indication on a 3/4" socket weld to safety injection valve 1-SI-224, Class 2. The indication was found on the final PT exam performed after the new valve was installed. The repair was complete on 1/11/92.

N) 92-038 - Replace 4 studs and 8 nuts on 1 1/2" flange to reactor coolant pump 1-RC-P-1B, Class 1. This flange is identified as Flange A on 11715-WMKS-0103AU. The studs and nuts were replaced due to degradation from boric acid. The replacement was complete on 3/25/92.

O) 92-042B - Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-103A, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old riberglass sleeves. The repair was completed on 2/17/92.

P) 92-043B - Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-103B, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/17/92.

Q) 92-044B - Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-103C, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/17/92.

R) 92-045B - Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-103D, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/18/92.

S) 92-046B - Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-104A, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/19/92.

T) 92-047B - Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-104B, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/19/92.

U) 92-048B - Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-104C, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/19/92.

V) 92-049B - Machined the shaft bores and sleeves of 16" service water valve 1-SW-MOV-104C, Class 2. The shaft bores and sleeves were machined to accept a new stainless steel sleeve to replace the old fiberglass sleeves. The repair was completed on 2/19/92.

W) 92-075 - Replaced 8 studs and 16 nuts on safety injection level transmitter, 1-SI-LT-1930, Class 2. The studs and nuts were replaced along with a new flange gasket. The replacement was completed on 3/4/92.

X) 92-076 - Replaced 4 studs and 8 nuts on safety injection level transmitter, 1-SI-LT-1930, Class 2. The studs and nuts were replaced due to boric acid. The replacement was completed on 3/4/92

Y) 92-077 - Removed a 0.45" linear indication on a feedwater integral attachment SW-35 on 11715-WMKS-102A, Class 2. This is the integral attachment for support 1-FW-PH-33. The indication was found as part of the inservice inspection program. Deviation Report DR-N-92-366 was written due to failure to follow the repair program. The repair was complete on 2/6/92.

Z) 92-080 - Replace a 2" blowdown valve 1-BD-21, Class 2. The valve was replaced since the pitted seat could not be repaired. Code Case N-416 was used to defer the hydrostatic test. The replacement was complete on 3/4/92.

AA) 92-090 - Replaced 3/8" bolting on reactor coolant spring hanger 1-RC-SH-17 shown on 11715-WMKS-110B-1 (WPTS mark number 1-RC-PH-17), Class 1. The bolting was discovered to be bent during an inservice inspection. The replacement was complete on 2/13/92.

AB) 92-091 - Installed 1/2" lock nuts on reactor coolant pipe hanger on 1-RC-R-9 on 11715-WMKS-0103BK-2, Class 1. The missing lock nuts were found during an inservice inspection. The replacement was complete on 2/14/92.

Design Changes

Design changes and engineering work requests completed during this inservice inspection period were performed in accordance with Section XI of the ASME Boiler & Pressure Vessel Code, 1983 Edition thru Summer 1983 Addenda.

The following paragraphs and the attached NIS-2 Form (Attachment II, page 34) represent the design change performed a on Class 1 systems.

A) DCP-88-11 Repaired a linear indication by welding on a 3/4 inch elbow, piece 35 shown on drawing 1-RC-6013B. The DCP installed reactor coolant drain down level indication. The design change package was complete on 1/29/91.

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

As Required by the Provisions of the ASME Code Section XI

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

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

Date 07/29/91

Sheet 1 of 1

Unit 1

Repair/Replacement Program 91-118
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Reactor Coolant

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	1-RC-MOV-1590	N/A	Repaired	N/A

7. Description of Work Repaired weld on 3/4-inch line.

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

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

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

As Required by the Provisions of the ASME Code Section XI

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

Date 07/26/91

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 91-121
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code B31.1 19 69 Edition, W 1970 Addenda, 78,81,83(R),115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	1-RC-MOV-1592	N/A	Repair	N/A

7. Description of Work Repaired 3/4-inch socket weld.

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

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

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

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

Date 07/26/91

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 91-123
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Reactor Coolant

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	1-RC-MOV-1592	N/A	Repair	N/A

7. Description of Work Repaired 3/4" socket weld.

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

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

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

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

Date 10/28/91

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 91-126
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Reactor Coolant

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Crane	A-2328-A1	N/A	1-RC-MOV-1593	N/A	Repair	N/A

7. Description of Work Repaired defects found in 27.5 inch gate valve body.

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

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

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

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

Date 10/28/91
Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1
Repair/Replacement Program 91-126A (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code B31 7 19 68 Edition, W 1970 Addenda, 78,81,83(R) 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Crane	A-232R-A1	N/A	1-RC-MOV-1593	N/A	Repair	No

7. Description of Work Repaired defects found in 27.5 inch valve body.

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

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

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

As Required by the Provisions of the ASME Code Section XI

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

Date 03/07/92

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 91-226
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Quench Spray

5. (a) Applicable Construction Code 831.7 19 69 Edition, W 1970 Addenda, 78,81,83(R),115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Crane	N/A	N/A	1-QS-1	N/A	Replaced	No
Valve	Crane	N/A	N/A	1-QS-1	N/A	Replacement	No

7. Description of Work Replaced studs and nuts on valve.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X]
Other [ ] Pressure _____ psi Test Temp. _____ °F

VT-2

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

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 01/24/92
   Sheet 1 of 1
2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 91-B092 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Type Code Symbol Stamp N/A
   Authorization No. N/A
   Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78,81,83(R),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Orifice	Southwest Fab.	N/A	N/A	1-RC-RO-100B	N/A	Replaced	No
Orifice	Southwest Fab.	N/A	N/A	1-RC-RO-100B	N/A	Replacement	No

7. Description of Work Replaced studs and nuts on orifice flange due to corrosion.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F VT-1, VT-2

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

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

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

Date 10/10/91

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 91-8093
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Safety Injection

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78,81,83(R),115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 ~~83 S 83~~ W 84 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)
Gate Valve	Aloyco	A0686	N/A	2-SI-MOV-2862A	N/A	Replaced	N/A
Gate Valve	Aloyco	A0686	N/A	2-SI-MOV-2862A	N/A	Replacement	N/A

7. Description of Work Replaced body to bonnet studs and nuts due to corrosion.

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

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

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

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 01/14/92
   Sheet 1 of 1
2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-004 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Type Code Symbol Stamp N/A
   Authorization No. N/A
   Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code 831.7 19 69 Edition W 1970 Addenda 78,81,83(?),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	2-SI-33-153A-Q2	N/A	Repaired	No

7. Description of Work Removed weld spatter from 2 inch pipe exterior.
8. Tests Conducted. Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 01/14/92
   Sheet 1 of 1
2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-005 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Type Code Symbol Stamp N/A
   Authorization No. N/A
   Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 67 Edition, W 1970 Addenda, 78,81,83(R),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	3-SI-256-153A-Q2	N/A	Repair	No

7. Description of Work Removed arc strike and weld spatter from 3 inch pipe exterior.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 07/29/91
   Sheet 1 of 1
2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 91-118 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Type Code Symbol Stamp N/A
   Authorization No. N/A
   Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 83 & 83 Addenda 78,81,83(R),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19____
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	1-RC-MOV-1590	N/A	Repaired	N/A

7. Description of Work Repaired weld on 3/4-inch line.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure ____ psi Test Temp. ____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Repaired weld on bottom disc pressurization line on 'A' loop hot leg loop stop valve.

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 J.P. Hamill ISI Engineer (Owner or Owner's Designee, Title) Date Sept. 24, 19 91

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 3 May 1991 to 20 May 1991, 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.

William E Kuhn (Inspector's Signature) Commissions V.4, 55 (National Board, State, Province, and Endorsements)

Date 24 Sept 19 91

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

As Required by the Provisions of the ASME Code Section XI

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

Date 07/26/91

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 91-121
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Reactor Coolant

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	1-RC-MOV-1592	N/A	Repair	N/A

7. Description of Work Repaired 3/4-inch socket weld.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Repaired 3/4-inch socket weld on bottom disc pressurization line on 'B' hot leg loop stop valve.

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 [signature] SR TECHNICIAN Date 28 oct 19 91
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 14 MAY 1991 to 20 MAY 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions VA 1558
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 oct 19 91

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 07/26/91
   Sheet 1 of 1

2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 91-123 (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Reactor Coolant

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	1-RC-MOV-1592	N/A	Repair	N/A

7. Description of Work Repaired 3/4" socket weld.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Repaired 3/4' socket weld on top disc pressurization line on 'B' hot leg loop stop valve.

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 [signature] SR TECHNICIAN Date 8 oct, 19 91
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 14 May 1991 to 20 aug 91, 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 personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions VA558
Inspector's Signature National Board, State, Province, and Endorsements

Date 8 oct 19 91

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

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

Date 10/28/91
Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1
Repair/Replacement Program 91-126
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Reactor Coolant

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Val.	Crane	A-2328-A1	N/A	1-RC-MOV-1593	N/A	Repair	N/A

7. Description of Work Repaired defects found in 27.5 inch gate valve body.

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

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

FORM NIS-2 (Back)

9. Remarks: ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Repaired defects found in valve body of 'B' cold leg loop stop valve on upper

disc pressurization line.

Performed liquid penetrant examination following repair.

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: [signature] Sr Tech (Owner or Owner's Designee, Title) Date: 30 OCT 19 91

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 16 May 1991 to 20 May 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions: VA 755

Inspector's Signature — National Board, State, Province, and Endorsements

Date: 30 Oct 19 91

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

1. Owner Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
Date 10/28/91
Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)
Unit 1
Repair/Replacement Program 91-126A (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 70,81,83(R),115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Crane	A-2328-A1	N/A	1-RC-MOV-1593	N/A	Repair	No

7. Description of Work Repaired defects found in 27.5 inch valve body

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Repaired defects found in valve body of 'B' cold leg loop stop valve on upper disc pressurization line.

Performed liquid penetrant examination following repair.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] Sr Technician Date Nov 15 19 91
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 12 May 1991 to 20 May 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions VA 558
Inspector's Signature National Board, State, Province, and Endorsements

Date 15 Nov 19 91

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 03/07/92
   Sheet 1 of 1
2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 91-226 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Type Code Symbol Stamp N/A
   Authorization No. N/A
   Expiration Date N/A
4. Identification of System Quench Spray
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78,81,83(R),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Crane	N/A	N/A	1-QS-1	N/A	Replaced	No
Valve	Crane	N/A	N/A	1-QS-1	N/A	Replacement	No

7. Description of Work Replaced studs and nuts on valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Replaced 12 studs and 24 nuts on the 10 inch valve.

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 [signature] Owner or Owner's Designee, Title Date 8 March 19 92

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 4 oct 1991 to 3 Feb 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions VA 555

Inspector's Signature National Board, State, Province, and Endorsements

Date 12 March 19 92

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

As Required by the Provisions of the ASME Code Section XI

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

Date 01/24/92

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 91-B092 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Reactor Coolant

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Orifice	Southwest Fab.	N/A	N/A	1-RC-RO-100B	N/A	Replaced	No
Orifice	Southwest Fab.	N/A	N/A	1-RC-RO-100B	N/A	Replacement	No

7. Description of Work Replaced studs and nuts on orifice flange due to corrosion.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F VT-1, VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Replaced 8 ASTM A193 Gr. B7 stud bolts.

Replaced 16 ASME SA194 Gr. 2H nuts.

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 [signature] Sr. Technician Date 24 Jan 19 91
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 15 July 91 to 16 July 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions VA 558
Inspector's Signature National Board, State, Province, and Endorsements

Date 24 Jan 1991

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

1. Owner Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
Date 10/10/91
Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)
Unit 1
Repair/Replacement Program 91-B093 (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Safety Injection

5. (a) Applicable Construction Code B31.7 19 69 Edition W 1970 Addenda 78,81,83(R),115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 ~~83 & 83~~ 86 - NO Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Gate Valve	Aloyco	A0686	N/A	2-SI-MOV-2862A	N/A	Replaced	N/A
Gate Valve	Aloyco	A0686	N/A	2-SI-MOV-2862A	N/A	Replacement	N/A

7. Description of Work Replaced body to bonnet studs and nuts due to corrosion.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure [X]
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Replacnd 12 ASTM A193 Gr. B7 studs.

Replaced 24 ASME SA194 Gr. 2H nuts.

7 of 12 original studs were of improper material (D6).

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 [signature] Sr Technicia Date 28 oct 1991
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 30 July 1991 to 6 August 1991, 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 0558
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 oct 1991

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 01/14/92
   Sheet 1 of 1
2. Plant: North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-004 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by: Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Type Code Symbol Stamp N/A
   Authorization No. N/A
   Expiration Date N/A
4. Identification of System: Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78,81,83(R),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	2-SI-33-153A-Q2	N/A	Repaired	No

7. Description of Work: Removed weld spatter from 2 inch pipe exterior.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

A repair procedure was used to remove weld spatter from the two inch SI line.

A final liquid pentrant examination was performed on the base metal and the

surrounding area following repair.

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 [signature] Sr Technician Date 15 Jan, 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 11 '92 to 1/16/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions VA 424
Inspector's Signature National Board, State, Province, Endorsements

Date 1/15/ 19 92

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 01/14/92
   Sheet 1 of 1

2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-005 (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Safety Injection

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	3-SI-256-153A-Q2N/A		Repair	No

7. Description of Work Removed arc strike and weld spatter from 3 inch pipe exterior.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

A repair procedure was used to remove arc strikes and weld spatter from the pipe

A final liquid penetrant examination was performed on the base metal and the

surrounding area following repair.

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 [signature] SR TECHNICIAN Date 15 Jan, 19 92

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/8/92 to 1/10/92, 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 V4424

Inspector's Signature National Board, State, Province, and Endorsements

Date 1/15 19 92

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 01/14/92
   Sheet 1 of
2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-006 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Type Code Symbol Stamp N/A
   Authorization No. N/A
   Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 67 Edition, W 1970 Addenda 78,81,83(R),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	3-SI-34-153A-Q2	N/A	Repair	No

7. Description of Work Removed arc strikes and weld spatter from 3 inch pipe exterior.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM IS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

A repair procedure was used to remove arc strikes and weld spatter from the pipe

A final liquid penetrant examination was performed on the base metal and the

surrounding area following repair.

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 [signature] SR TECHNICIAN Date 15 Jan, 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/8/92 to 1/10/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Mark M Lane Commissions VA 424
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/15 19 92

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

Note: Original Destroyed Reprinted 8/6/92

1. Owner Virginia Electric & Power Company (Name) — Date 02/06/92
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address) — Sheet 1 of 1
2. Plant North Anna Power Station (Name) — Unit
   P.O. Box 402 Mineral, VA. 23117 (Address) — Repair/Replacement Program 92-007 (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 Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78,81,83(R).115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	N/A	N/A	N/A	3-SI-254-153A-Q2	N/A	Repaired	No

7. Description of Work Removed weld spatter from 3 inch pipe exterior.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

A repair procedure was used to remove weld spatter from the pipe.

A final liquid penetrant examination was performed on the base metal and the surrounding area following repair.

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 [signature] Sr. Technician Date 22 Jan 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/9/92 to 1/22/92, 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. Grace Commissions VA424
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/22 19 92

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 03/05/92
   Sheet 1 of 1

2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-008 (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Safety Injection

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pipe	Southwest Fab.	N/A	N/A	1-SI-308	N/A	Repaired	No

7. Description of Work Repaired linear indication on toe of weld 15A near 1-SI-308.

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

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

FORM NIS-2 (Back)

9. Remarks ASME Xi Class 2.

Applicable Manufacturer's Data Reports to be attached

Repaired linear indication on a 3/4 inch line off of 2 inch-SI-34-1f3-Q2.

A final liquid penetrant exam was performed on the excavated area to ensure

indication was removed.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] Sr. Technician Date 7 March 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 9 Dec 1992 to 1-9-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions VA 1558
Inspector's Signature National Board, State, Province, and Endorsements

Date 7 March 19 92

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 03/24/92
   Sheet 1 of 1

2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-009 (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Safety Injection

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Conval	N/A	N/A	1-SI-224	N/A	Repaired	No

7. Description of Work Repaired linear indication on weld of pipe to elbow.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Repaired a 3/16-inch linear indication on weld 43A.

A final liquid penetrant exam was performed and found the area to be acceptable.

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 [signature] SR Technician (Owner or Owner's Designee, Title) Date 24 March, 1992

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1-10-92 to 1-11-92, 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] (Inspector's Signature) Commissions VA 538 (National Board, State, Province, and Endorsements)

Date 24 March 1992

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA 23060 (Address)
   Date 03/26/92
   Sheet 1 of 1

2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-038 (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code ASME Sect. III 68 19__ Edition, W S-69 Addenda, No Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pump	ESCO Corp.	724	N/A	1-RC-P-1B	1973	Replaced	Yes
Pump	ESCO Corp.	724	N/A	1-RC-P-1B	1973	Replacement	Yes

7. Description of Work Replaced studs and nuts due to boric acid build-up.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure [X]
   Other ☐ Pressure _____ psi Test Temp. _____ °F

V*-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Replaced 4 studs and 8 nuts on 1.5 inch seal injection line flange.

NOTE: The pump was also built to Pump & Valve Code 1968 Draft W/March1970 Add.

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 [signature] Sr Technician (Owner or Owner's Designee, Title) Date 26 March 19 92

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 18 Jan 1992 to 25 March 1992, 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] (Inspector's Signature) Commissions VA 558 (National Board, State, Province, and Endorsements)

Date 28 March 19 92

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

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

Date 02/27/92

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 92-0428 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Service Water

5. (a) Applicable Construction Code DRAFT ASME 19 68 Edition, No Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-1	N/A	1-SW-MOV-103A	1971	Replaced	No
Valve	Allis Chalmers	67102-1	N/A	1-SW-MOV-103A	1971	Replacement	No

7. Description of Work Machined shaft bores and machined new shaft sleeves.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

The valve body shaft penetration was bored to accept a new stainless steel sleeve to replace the old fiberglass sleeve.

The new sleeve is retained by an interference fit with the valve body.

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 [signature] SR TECHNICIAN Date 27 FEB, 19 92

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/22/92 to 2/17/92, 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 Commissions VA424

Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 92

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

1. Owner Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
Date 02/27/92
Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)
Unit 1
Repair/Replacement Program 92-043B (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Service Water

5. (a) Applicable Construction Code DRAFT ASME 19 68 Edition, No Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-2	N/A	1-SW-MOV-103B	1971	Replaced	No
Valve	Allis Chalmers	67102-2	N/A	1-SW-MOV-103B	1971	Replacement	No

7. Description of Work Machined shaft bores and machined new shaft sleeves.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

d. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

The valve body shaft penetration was bored to accept a new stainless steel sleeve to replace the old fiberglass sleeve.

The new sleeve is retained by an interference fit with the valve body.

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 C L [illegible] SR TECHNICIAN Date 27 Feb 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/22/92 to 2/17/92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 2/28 19 92

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

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

Date 02/27/92

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 92-044 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Service Water

5. (a) Applicable Construction Code DRAFT ASME 19 68 Edition, No Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-3	N/A	1-SW-MOV-103C	1971	Replaced	No
Valve	Allis Chalmers	67102-3	N/A	1-SW-MOV-103C	1971	Replacement	No

7. Description of Work Machined shaft bores and machined new shaft sleeves.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

The valve body shaft penetration was bored to accept a new stainless steel sleeve to replace the old fiberglass sleeve.

The new sleeve is retained by an interference fit with the valve body.

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 C L Lum SR. TECHNICIAN Date 27 FEB 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/22/92 to 2/18/92, 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
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28/ 19 92

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

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

Date 02/27/92

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 92-045B
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Service Water

5. (a) Applicable Construction Code DRAFT ASME 19 68 Edition, No Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-4	N/A	1-SW-MOV-103D	1971	Replaced	No
Valve	Allis Chalmers	67102-4	N/A	1-SW-MOV-103D	1971	Replacement	No

7. Description of Work Machined shaft bores and machined new shaft sleeves.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

The valve body shaft penetration was bored to accept a new stainless steel sleeve to replace the old fiberglass sleeve.

The new sleeve is retained by an interference fit with the valve body.

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 [signature] SR TECHNICIAN Date 27 FEB 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 11/22/92 to 2/18/92, 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 VA424
Inspector's Signature National Board, State, Province, and Endorsement

Date 2/28 19 92

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

As Required by the Provisions of the ASME Code Section XI

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

Date 02/27/92

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 92-0468
Repair Organization P.O. No., Job No., etc.

3. Work performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Service Water

5. (a) Applicable Construction Code DRAFT ASME 19 68 Edition, No Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-5	N/A	1-SW-MOV-104A	1971	Replaced	No
Valve	Allis Chalmers	67102-5	N/A	1-SW-MOV-104A	1971	Replacement	No

7. Description of Work Machined shaft bores and machined new shaft sleeves.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure [X]
Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

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

The valve body shaft penetration was bored to accept a new stainless steel sleeve to replace the old fiberglass sleeve.

The new sleeve is retained by an interference fit with the valve body.

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 [signature] SR TECHNICIAN Date 27 FEB 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/22/92 to 2/19/92, 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 Kenn Commissions VA424
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 92

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

1. Owner Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
Date 02/27/92
Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)
Unit 1
Repair/Replacement Program 92-047B (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Service Water

5. (a) Applicable Construction Code DRAFT ASME 19 68 Edition, No Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-6	N/A	1-SW-MOV-104B	1971	Replaced	No
Valve	Allis Chalmers	67102-6	N/A	1-SW-MOV-104B	1971	Replacement	No

7. Description of Work Machined shaft bores and machined new shaft sleeves.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

The valve body shaft penetration was bored to accept a new stainless steel sleeve to replace the old fiberglass sleeve.

The new sleeve is retained by an interference fit with the valve body.

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 C L [illegible] SE TECHNICIAN Date 27 FEB, 19 92

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/22/92 to 2/19/92, 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 loss of any kind arising from or connected with this inspection.

Mark W Beaver Commissions VA424

Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 92

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 02/28/92
   Sheet 1 of 1

2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-0488 (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Service Water

5. (a) Applicable Construction Code DRAFT ASME 19 68 Edition, no Addenda, None Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-7	N/A	1-SW-MOV-104C	1971	Replaced	No
Valve	Allis Chalmers	67102-7	N/A	1-SW-MOV-104C	1971	Replacement	No

7. Description of Work Machined shaft bores and machined new shaft sleeves.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure [X]
   Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

The valve body shaft penetration was bored to accept a new stainless steel sleeve to replace the old fiberglass sleeve.

The new sleeve is retained by an interference fit with the valve body.

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 A. P. Hamill, LEAD ISI Engineer (Owner or Owner's Designee, Title) Date February 29, 1992

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 22 JAN 1992 to 19 Feb 1992, 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.

William E Huber (Inspector's Signature) Commissions VA 355 (National Board, State, Province, and Endorsements)

Date 29 Feb 1992

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
Date 02/27/92
Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)
Unit 1
Repair/Replacement Program 92-049B (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Service Water

5. (a) Applicable Construction Code DRAFT ASME 19 68 Edition, No Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Allis Chalmers	67102-8	N/A	1-SW-MOV-104D	1971	Replaced	No
Valve	Allis Chalmers	67102-8	N/A	1-SW-MOV-104D	1971	Replacement	No

7. Description of Work Machined shaft bores and machined new shaft sleeves.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

The valve body shaft penetration was bored to accept a new stainless steel sleeve to replace the old fiberglass sleeve.

The new sleeve is retained by an interference fit with the valve body.

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 [signature] SR TECHNICIAN Date 27 FEB 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/22/92 to 2/19/92, 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. Lucas Commissions VA424
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28 19 92

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 03/26/92
   Sheet 1 of 1

2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-075 (Repair Organization P.O. No., Job No., etc.)

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

4. Identification of System Safety Injection

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Flange	N/A	N/A	N/A	1-SI-LT-1930	N/A	Replaced	No
Flange	N/A	N/A	N/A	1-SI-LT-1930	N/A	Replacement	No

7. Description of Work Replaced bolting on lower bellows flange.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Replaced 8 studs and 16 nuts due to a build-up of boron.

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 [signature] SR Technician Date 26 March 19 92

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1 Feb 19 92 to March 4 19 92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions VA 558

Inspector's Signature National Board, State, Province, and Endorsements

Date 28 March 1992

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Date 03/26/92
   Sheet 1 of 1
2. Plant North Anna Power Station (Name)
   P.O. Box 402 Mineral, VA. 23117 (Address)
   Unit 1
   Repair/Replacement Program 92-076 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Virginia Electric & Power Company (Name)
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)
   Type Code Symbol Stamp N/A
   Authorization No. N/A
   Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78,81,83(R),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired Replacv or Replacement	ASME Code Stamped (Yes or No)
Flange	N/A	N/A	N/A	1-SI-LT-1930	N/A	Replaced	No
Flange	N/A	N/A	N/A	1-SI-LT 730	N/A	Replacement	No

7. Description of Work Replaced bolting on upper bellows flange.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Replaced 8 studs and 16 nuts due to a build-up of boron on bolting.

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 [signature] Sr Technician Date 26 March 19 92

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 30 Jan 92 to 4 March 92, 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 [illegible]

Inspector's Signature National Board, State, Province, and Endorsements

Date 28 March 19 92

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

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

Date 03/05/92

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1

Repair/Replacement Program 92-077
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Feedwater

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 [illegible] Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Add

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Piping	Southwest Fab.	N/A	N/A	1-FW-PH-33	N/A	Repaired	No

7. Description of Work Removed linear indication from restraint.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Repaired .45 inch linear indication on feedwater piping hanger PH-33.

DR-N-92-366

A final ~~[illegible]~~ magnetic particle exam was performed on the excavation to ensure the indication was removed. P[illegible] 5/27/92 [illegible] 5/[illegible]

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 [signature] SR [illegible] (Owner or Owner's Designee, Title) Date 6 March, 1992

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 23 Jan 1992 to 6 Feb 1992, 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.

William E [illegible] (Inspector's Signature) Commissions VA 558 (National Board, State, Province, and Endorsements)

Date 8 April 1992

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

As Required by the Provisions of the ASME Code Section XI

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

Date 05/12/92

Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral VA. 23117 (Address)

Unit 1

Repair/Replacement Program 92-080
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Blowdown

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve	Conval	N/A	N/A	1-BD-21	N/A	Replaced	No
Valve	Conval	14590	N/A	1-BD-21	1987	Replacement	No

7. Description of Work Replaced 2-inch valve.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 974 psi Test Temp. 521 °F VT-2

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Replaced 2-inch Conval valve in accordance with Code Case N-416.

An Inservice Leak Test was performed, as well as final LP exams on all welds.

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 [signature] Sr Technician Date 5/12, 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/23/92 to 3/4/92, 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 Brown Commissions VA 424
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/13 19 92

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

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

Date 05/20/92
Sheet 1 of 1

2. Plant North Anna Power Station (Name)
P.O. Box 402 Mineral, VA. 23117 (Address)

Unit 1
Repair/Replacement Program 92-090
Repair Organization P.O. No., Job No., etc.

3. Work Performed by Virginia Electric & Power Company (Name)
5000 Dominion Blvd. Glen Allen, VA. 23060 (Address)

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

4. Identification of System Reactor Coolant

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Spring Hanger	Grinnell	N/A	N/A	1-RC-PH-17	N/A	Replaced	No
Spring Hanger	Grinnell	N/A	N/A	1-RC-PH-17	N/A	Replacement	No

7. Description of Work Replaced bolts and nuts on hanger.

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

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Replaced 3/8 inch bolting on spring hanger.

A final visual examination determined the hanger to be acceptable.

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 [signature] Supervisor Date 8 March 19 92
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 4 Feb 1992 to 13 Feb. 1992, 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 Kuo Commissions VA 424
Inspector's Signature National Board, State, Province, and Endorsements

Date 12 March 19 92

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 03/07/92
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address) — Sheet 1 of 1
2. Plant North Anna Power Station (Name) — Unit 1
   P.O. Box 402 Mineral, VA. 23117 (Address) — Repair/Replacement Program 92-091 (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
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78,81,83(R),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 S 83 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Replaced	N/A	N/A	N/A	1-RC-PH-9	N/A	Replaced	No
Replacement	N/A	N/A	N/A	1-RC-PH-9	N/A	Replacement	No

7. Description of Work Installed lock nuts on hanger.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
   Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Installed 1/2 inch lock nuts on pipe hanger.

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 [signature] SR TECHNICIAN Date 8 March 19 92

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Virginia and employed by Hartford Steam Boiler I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 11 Feb 1992 to 14 Feb 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[signature] Commissions VA 558

Inspector's Signature National Board, State, Province, and Endorsements

Date 11 March 1992

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 Co. (Name) — Date 10-1-91
   5000 Dominion Blvd. Glen Allen, VA. 23060 (Address) — Sheet 1 of 1
2. Plant North Anna Power Station (Name) — Unit 1
   P.O. Box 402, Mineral, VA. 23117 (Address) — DCP 88-11 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by Fluor Daniel (Name) — Type Code Symbol Stamp NA; Authorization No. NA; Expiration Date NA
   Daniel Bldg. Greenville, S.C. 29601 (Address)
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, 70 Addenda, 78,81,83(R),115 Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 86
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3/4" Ell	Fluor Daniel	NA	NA	3/4" RC-330 1502-Q2	1991	Repaired	NO

7. Description of Work Repaired linear indication by welding Spool piece 35 - Drawing 1-RC-6013B.
8. Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ]
   Other [ ] Pressure 3728 psi Test Temp. Ambient °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2 SCE Repair 521

Applicable Manufacturer's Date Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [signature] TSI Engineer Date 2-Oct 19 91

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 CO. of Hartford CT have inspected the components described in this Owner's Report during the period 22 JAN 1991 to 29 JAN 1991, 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.

William E Kuhn Commissions VA 515

Inspector's Signature National Board, State, Province, and Endorsements

Date 2 Oct 1991

ATTACHMENT 3

1992 UNIT 1 STEAM GENERATOR INSPECTION OUTAGE
INSERVICE INSPECTION SUMMARY REPORT

EVALUATION ANALYSIS OF EXAMINATION RESULTS

NORTH ANNA POWER STATION - UNIT 1

VIRGINIA ELECTRIC AND POWER COMPANY

Evaluation Analyses

There were 12 component supports which had conditions exceeding the acceptance standards of IWF-3400 and were not repaired. These 12 component supports were acceptable for continued service by evaluation as allowed by IWF-3122.4 The evaluations and exam reports are included in Attachment III pages 2 through 36.

DETERMINATION OF PROPER SNUBBER RESERVOIR LEVEL

MARK # 1-SHP-H55-210

For the snubber to be operable, the volume of oil in the reservoir must be equal to or greater than the volume of oil required when extending the piston rod to maximum allowed piston set.

V(req) = Volume required when extending the piston rod to its max allowed piston set.
= (max rod travel) X (rod area)

A = Rod Area = pi x r squared , where r is rod radius
= 4.906 sq. in. for

R(max) = Maximum rod travel from as-found piston setting in the tension mode.
= (maximum allowable piston set) - (as-found piston set)
= 6.875 in. - ~~4.44 in.~~ 4.250
= 2.625 in.

NOTE: If the maximum piston setting is not available, use the maximum possible piston setting.

V(req) = R(max) x A
= 2.625 in. X 4.906 sq. in.
= 12.878 cu. in.

V(oil) = As-found volume of oil in reservoir.
= (maximum res. volume)X(as-found fraction of res. level)
= 43.58 cu. in. X .4
= 17.432 cu. in.

V(oil) > V(req) for snubber 1-SHP-H55-210 to be operable.

17.432 > 12.878 , THEREFORF THE FLUID LEVEL OF 40% FULL FOR 1-SHP-H55-210 IS SUFFICIENT

ISI ENGR: _____ DATE: 1/28/92

page 1 of 1

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: SHP
2. Drawing: 11715-PSSK-101C-3 11715-WMKS-101C Note: Support Design Drawing must be used on location during VT-3 examinations of component supports		3. Direct: ☒ Remote: ☐

4. Component Inspected: 1-SHP-HSS-210 (LINE # 32" SHP-2-601-Q2)

5. For Spring Hangers: Manufacturer: N/A Model Number: N/A Spring Size: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.	✓		
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)		✓	
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)	✓		

12. Comments: PER PSSK - MAX C.P.S - 4 1/4, MIN C.P.S.: 1 7/8, FLUID LEVEL @ 40%, OPERABLE PER FLUID EVALUATION

13. ACTUAL SETTING: 4 1/4 REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable. N/A

15. Notify ISI Engineering of reportable condition.

1/24/92 (Date) Notification received by C CONNER

16. NAME OF EXAMINER (PRINT): R L FORTE EXAM DATE 1/24/92

SIGNATURE: [signature] LEVEL II

17. ANII SIGNATURE: [signature] DATE 2-14-92

STATION REQUEST REA # 92 - 010
STATION ISI
REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NF ______

COMPONENT NO. 1-CC-S-19D LINE NO. 3" CC-734-151-Q3

LOCATION DWG. 11715-WMKS-0103AN Rev 0 REFERENCE DWG ______

REPORTED PROBLEM:

① Minor paint and corrosion on sliding surface
② All accessible areas have been cleaned

REPORTED BY: C. L. Conner DATE: 1/31/92 EXT. 2065

Is the component support operable in the current condition? ✓ yes ___ no

EVALUATION: Since a best effort attempt has been made to remove all paint and corrosion from sliding surface and no significant base metal loss has been reported, the remaining inaccessible areas are of no concern to support operability.

CORRECTIVE ACTION REQUIRED

Touch-up coat all accessible areas as required. Do not coat sliding surfaces. See disposition to DR # N92-0288 and follow NAS-3020.

EVALUATED BY: C. A. Zalesiak DATE: 02-06-92

REVIEWED BY: GE Modzelewski DATE: 2/6/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: CC
2. Drawing: 11715-WMKS-0103AN Rev. 0 Note: Support Design Drawing must be used on location during VT-3 examinations of component supports	3. Direct: ☒ Remote: ☐	

4. Component Inspected: 1-CC-S-190   8"-CC-334-151-Q3

5. For Spring Hangers:
Manufacturer: N/A   Model Number: N/A   Spring Size: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weigh of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		✓*	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: * MINOR PAINT AND CORROSION ON SLIDING SURFACE. All ACCESSABLE AREAS CLEANED.

13. ACTUAL SETTING: N/A   REQUIRED SETTING HOT N/A   COLD N/A

14. Record Work Order Number or DCP Number if applicable.
N/A

15. Notify ISI Engineering of reportable condition.
1/31/92 -1   Notification received by [signature]
Date

16. NAME OF EXAMINER (PRINT): GARY NOEL   EXAM DATE 1-22-92
SIGNATURE: [signature]   LEVEL II

17. ANII SIGNATURE: [signature]   DATE 2/18/92

~~NOTE No ... ~~ CM 2-10-72

VIRGINIA POWER 2-17-92 [initials] NDE Review

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: CC

2. Drawing: 11715-WMKS-0103AN Rev. 0 Remote: Direct: ✓

3. Component Examined: 1-CC-5-19D 8"-CC-334-151-Q3

4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base material noted. Support is operable per attached RETA 92-010 dated 02/06/92

12. Actual Setting: N/A N/A Required Setting: Hot N/A Cold N/A

13. Record Work Order or DCP Number if Applicable: 139733 and N-92-0288

14. Recommended Supplemental Exam: Yes: ____ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A (Date) Notification received by N/A

16 NAME OF EXAMINER (PRINT): C. L. Conner EXAM DATE 2-7-92
SIGNATURE: [signature] LEVEL III

17. ANII SIGNATURE: [signature] DATE 2/14/92

STATION REQUEST REA # 92 - 011
STATION ISI REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

WP _____

COMPONENT NO. 1-CC-S-24D LINE NO. 8"-CC-334-151-Q3

LOCATION DWG. 11715-WMKS-0103AN Rev 0 REFERENCE DWG _____

REPORTED PROBLEM:
① Minor paint and corrosion on sliding surfaces.
② All accessible areas have been cleaned.

REPORTED BY: C. L. Conner DATE: 1/31/92 EXT. 2065

Is the component support operable in the current condition? ___ yes ___ no

EVALUATION: In order to gage the extent of corrosion, all paint and corrosion shall be removed from the accessible areas of the sliding surface to permit ISI visual inspection. If inspection indicates measureable loss of base metal on sliding surfaces, then contact DEE for further direction. Remaining paint and corrosion can be left in place if other accessible areas reveal no measureable base metal loss.

CORRECTIVE ACTION REQUIRED
Since all accessible areas have been cleaned, ISI shall inspect base metal on sliding surfaces to ensure no measureable material loss. Report any measureable material loss indications to DEE for further disposition. See disposition to QR #N-92-0288 for further instructions.

EVALUATED BY: C. A. Tolevich DATE: 02-03-92

REVIEWED BY: Gary E Modzelewski DATE: 2/4/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: CC
2. Drawing: 11715-WAKS-0103 AN REV. 0 Note: Support Design Drawing must be used on location during VT-3 examinations of component supports.		3. Direct: ☒ Remote: ☐

4. Component Inspected: 1-CC-S-24D 8"-CC-334-151-Q3

5. For Spring Hangers:
Manufacturer: N/A Model Number: N/A Spring Size: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST

	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		✓	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: MINOR PAINT AND CORROSION ON SLIDING SURFACE. ALL ACCESSABLE AREAS HAVE BEEN CLEANED

13. ACTUAL SETTING: N/A REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable. N/A

15. Notify ISI Engineering of reportable condition.
1/31/92 Notification received by [signature]
Date

16. NAME OF EXAMINER (PRINT): GARY NOEL EXAM DATE 1-22-92
SIGNATURE: [signature] LEVEL II

17. ANII SIGNATURE: [signature] DATE 2/18/92

~~Note: No measurable material loss on accessable base metal.~~ GN 2-10-92

VIRGINIA POWER 2-17-92 [initials] NDE Review

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: CC

2. Drawing: 11715-WMKS-0103 AN Rev. 0 Remote: Direct: ✓

3. Component Examined: 1-CC-S-24.D 8"-CC-334-151-Q3

4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base metal noted. Support is acceptable per attached REA 92-011 dated 2/4/92.

12. Actual Setting: Hot N/A Cold N/A Required Setting: Hot N/A Cold N/A

13. Record Work Order or DCP Number if Applicable: 139734 and DR N-92-0288

14. Recommended Supplemental Exam: Yes: ____ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A Date Notification received by N/A

16. NAME OF EXAMINER (PRINT): C. L. Comer EXAM DATE 2/6/92
SIGNATURE: C. L. Comer LEVEL III

17. ANII SIGNATURE: M. L. Hess DATE 2/14/92

STATION REQUEST REA # 92 - 015
STATION ISI
REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NP ______

COMPONENT NO. 1-CC-R-32C LINE NO. 18"-CC-329-151-Q3

LOCATION DWG. 11715-WMKS-0102B Rev. 0 REFERENCE DWG 11715-PSSK-103B.5

REPORTED PROBLEM:

(1) Minor paint and corrosion on sliding surfaces.
(2) All accessible areas cleaned.

REPORTED BY: C.L. Connor DATE: 2/4/92 EXT. 2065

Is the component support operable in the current condition? ✓ yes ___ no

EVALUATION: Since a best effort attempt has been made to remove all paint and corrosion from sliding surface and no significant base metal loss has been reported, the remaining inaccessible areas are of no concern to support operability.

CORRECTIVE ACTION REQUIRED

Touch-up coat all accessible areas as required. Do not coat sliding surfaces. See disposition to DR # N92-0288 and follow NAS-3000.

EVALUATED BY: C.A. Feliciano DATE: 02-06-92

REVIEWED BY: Gary E. Miskelewski DATE: 2/6/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: CC
2. Drawing: 11715-WMKS-0103B Rev 0 Note: Support [illegible] Drawing must be used on location during VT-3 examinations of component supports		3. Direct: ☒ Remote: ☐

4. Component Inspected: 1-CC-R-32C 18"-CC-329-151-Q3

5. For Spring Hangers: Manufacturer: N/A Model Number: N/A Spring Rate: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		✓*	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: * Mixed Paint and Corrosion on SLIDING SURFACES. All ACCESSIBLE AREAS CLEANED.

13. ACTUAL SETTING: N/A REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable.

15. Notify ISI Engineering of reportable condition.
2/4/92 Date Notification received by [signature]

16. NAME OF EXAMINER (PRINT): Gary Noel EXAM DATE 2-3-92
SIGNATURE: [signature] LEVEL: II

17. ANII SIGNATURE: [signature] DATE 2/4/92

VIRGINIA POWER 2-4-92 NDE Review

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: CC

2. Drawing: 11715-PSSK-1030.5
11715-WMKS-01033 Rev. 0 Remote: Direct: ✓

3. Component Examined: 1-CC-R-32C 18"-CC-329-151-Q3

4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base material noted. Support is operable per attached REA 92-015 dated 02/06/92.

12. Actual Setting: N/A Required Setting: Hot N/A
N/A Cold N/A

13. Record Work Order or DCP Number if Applicable: 139738 and CR 1-92-0288

14. Recommended Supplemental Exam: Yes: ____ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A (Date) Notification received by N/A

16. NAME OF EXAMINER (PRINT): C.L. Conner EXAM DATE 2-7-92
SIGNATURE: C L Conner LEVEL III

17. ANII SIGNATURE: Mark M. Bosa DATE 2/14/92

STATION REQUEST REA # 92 - 009
STATION ISI REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NP _____

COMPONENT NO. 1-SHP-R-176 LINE NO. 8"-SHP-76-601-Q3

LOCATION DWG. 11715-WMKS-0107GA Rev 0 REFERENCE DWG _____

REPORTED PROBLEM:
① Minor paint and corrosion on sliding surfaces
② All accessible areas have been cleaned.

REPORTED BY: C. L. Conner DATE: 1/31/92 EXT. 2065

Is the component support operable in the current condition? ✓ yes ___ no 02-03-92

EVALUATION: In order to gage the extent of corrosion, all paint and ~~and~~ corrosion shall be removed from the accessible areas of the sliding surface to permit ISI visual inspection. If inspection indicates measureable loss of base metal on sliding surfaces, then contact DEO for further direction. Remaining inaccessible paint and corrosion can be left in place if other accessible areas reveal no measureable base metal loss.

CORRECTIVE ACTION REQUIRED
Since all accessible areas have been cleaned, ISI shall inspect base metal on sliding surfaces to assure no measureable material loss. Report any measureable base metal loss indications to DEO for further disposition. See disposition to DR# N-92-0288 for further instructions.

EVALUATED BY: C. A. Falcini DATE: 02-03-92

REVIEWED BY: Gary E Modglin DATE: 2/4/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: SHP
2. Drawing: 11715-WMKS-0107 GA Rev. 6 Note: Support Design Drawing must be used on location during VT-3 examinations of component supports		3. Direct: ☒ Remote: ☐

4. Component Inspected: 1-SHP-R-176 8"-SHP-76-601-Q3

5. For Spring Hangers: Manufacturer: N/A Model Number: N/A Spring Size: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		#✓	
10. Fluid leak beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: # MINOR PAINT AND CORROSION ON SLIDING SURFACE. ALL ACCESSABLE AREAS CLEANED.

13. ACTUAL SETTING: N/A REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable.

15. Notify ISI Engineering of reportable condition.
1/31/92 Date Notification received by [signature]

16. NAME OF EXAMINER (PRINT): GARY NOEL EXAM DATE 1-30-92
SIGNATURE: [signature] LEVEL: II

17. ANII SIGNATURE: [signature] DATE 2/10/92

NOTE - NO MEASUREABLE MATERIAL LOSS ON ALLOWABLE BASE METAL. GH 2-8-92

Since there was no measureable loss of base metal, in accordance with REA # 92-009 this support may be considered acceptable. J.P. Hamill 2-8-92

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: SHP

2. Drawing: 11715-PSSK-1076A.12
11715-WMKS-0:076A Rev. 0 Rerote: Direct: ✓

3. Component Examined: 1-SHP-R-176 8"-SHP-76-601-Q3

4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		✓*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base metal noted. Support is operable per attached REA 92-009 dated 02/04/92

12. Actual Setting: N/A Required Setting: Hot N/A
N/A Cold N/A

13. Record Work Order or DCP Number if Applicable: 139756 and DR N-92-02AP

14. Recommended Supplemental Exam: Yes: ___ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A Date Notification received by N/A

16. NAME OF EXAMINER (PRINT): C. L. Conner EXAM DATE 2-5-92
SIGNATURE: [signature] LEVEL III

17. ANII SIGNATURE: [signature] DATE 2/14/92

VIRGINIA POWER 2-17-92 NCI Review

STATION REQUEST REA # 92 - 007
STATION ISI
REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NP ______

COMPONENT NO. 1-RC-R-30 LINE NO. 4"-RC-15-1502-Q1

LOCATION DWG. 11715-WMKS-0110B-1 Rev 0 REFERENCE DWG ______

REPORTED PROBLEM:

① Heavy paint and corrosion still exist under sliding surfaces
② All accessible areas have been cleaned

REPORTED BY: C.L. Conner DATE: 1/31/92 EXT. 2065

Is the component support operable in the current condition? ✓ yes ___ no

EVALUATION: In order to gage the extent of corrosion, all paint and corrosion shall be removed from the accessible areas of the sliding surface to permit ISI visual inspection. If inspection indicates a measureable base metal loss on the sliding surface, then contact DEO for further direction. Remaining inaccessible paint and corrosion can be left in place if other accessible areas reveal no measureable base metal loss.

CORRECTIVE ACTION REQUIRED

Since all accessible areas have been cleaned, ISI shall inspect base metal on sliding surfaces to ensure no measureable base metal loss. Report any indications (i.e. measureable base metal loss) to DEO for further disposition. See disposition to DR N-92-0284 for further instructions.

EVALUATED BY: C.A. Blasiak DATE: 02-03-92

REVIEWED BY: Gary E Modzelewski DATE: 2/4/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: RC
2. Drawing: 11715-WMKS-0110B-1 Rev 0 Note: Support Design Drawing must be used on location during VT-3 examinations of component supports		3. Direct: ☒ Remote: ☐

4. Component Inspected: 1-RC-R-30 4"-RC-15-1502-Q1

5. For Spring Hangers: Manufacturer: N/A Model Number: N/A Spring Size: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		✓*	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: HEAVY PAINT AND CORROSION STILL EXIST UNDER SLIDER SURFACE. ALL ACCESSIBLE AREAS HAVE BEEN CLEAN. REFER TO ENGINEERING FOR EVALUATION.

13. ACTUAL SETTING: N/A REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable.

15. Notify ISI Engineering of reportable condition.
1/31/92 (Date) Notification received by [signature]

16. NAME OF EXAMINER (PRINT): GARY NOEL EXAM DATE 1-29-92
SIGNATURE: [signature] LEVEL II

17. ANII SIGNATURE: [signature] DATE 2/10/92

VIRGINIA POWER 2-17-92 [signature] N... Review

D

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: RC

2. Drawing: 11715-PSSK-1100.18
11715-WMKS-01108-1 Rev. C
Remote: Direct: ✓

3. Component Examined: 1-RC-R-3C 4"-RC-15-1502-Q1

4. For Spring Hangers (if available):
Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base material noted. Support is operable per attached REA 92-007 dated 2/4/92.

12. Actual Setting: N/A Required Setting: Hot N/A
N/A Cold N/A

13. Record Work Order or DCP Number if Applicable: 139749 and DR NAS2-021?

14. Recommended Supplemental Exam: Yes: ___ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A Notification received by N/A
Date

16. NAME OF EXAMINER (PRINT): C. L. Canner EXAM DATE 2-5-92
SIGNATURE: [signature] LEVEL III

17. ANII SIGNATURE: Mark M. Howe DATE 2/14/92

STATION REQUEST REA # 92 - 004
STATION ISI REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NP _____

COMPONENT NO. 1-RC-R-52 LINE NO. 4"-RC-14-1502-Q1

LOCATION DWG. 11715-WMKS-1108-2 REFERENCE DWG 11715-PSSK-1108-1

REPORTED PROBLEM:

① Pipe clamp spacer installed outside of clamp - not next to the spherical bearing.

② Corrosion and paint on spherical bearing

REPORTED BY: C. L. Cancer DATE: 1/30/92 EXT. 2065

Is the component support operable in the current condition? ✓ yes ____ no

EVALUATION: (1) To help center the spherical bearing in the clamp, both pipe clamp spacers (i.e. flat washers) shall be installed inside the pipe clamp on either side of the spherical bearing. (2) An attempt was made to clean up corrosion & paint, but minor amounts remain on the spherical bearing. This minor amount will not jeopardize component performance.

CORRECTIVE ACTION REQUIRED

Issue a Work Order to reinstall the spherical bearing into the pipe clamp with a flat washer on either side of the spherical bearing, but inside the pipe clamp.

EVALUATED BY: C. A. Zalesiak DATE: 02-03-92

REVIEWED BY: Gary E. Matzelewski DATE: 2/4/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: RC
2. Drawing: 11715-WMKS-110B-2 REV. 0 Note: Support Design Drawing must be used on location during VT-3 examinations of component supports.		3. Direct: ☒ Remote: ☐

4. Component Inspected: 1-RC-R-52 LINE - 4"-RC-14-1502-Q1

5. For Spring Hangers:
Manufacturer: n/a Model Number: n/a Spring Size: n/a

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.		* ✓	
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		** ✓	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: * Strut to pipe clamp spacer located in wrong location. Spacer needs to be relocated adjacent to spherical bearing
** Corrosion ... on spherical bearings

13. ACTUAL SETTING: n/a REQUIRED SETTING HOT n/a COLD n/a

14. Record Work Order Number or DCP Number if applicable.
WO# 134748

15. Notify ISI Engineering of reportable condition.
1/31/92 Notification received by [signature]
Date

16. NAME OF EXAMINER (PRINT): [illegible] EXAM DATE 1-24-92
SIGNATURE: [signature] LEVEL II

17. ANII SIGNATURE: [signature] DATE 2/18/92

VIRGINIA POWER
2-17-92
[initials]
NDE Review

7

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: RC

2. Drawing: 11715-PSSK-1100.44 Rev 1 Remote: Direct: ✓
11715-WMKS-1108 2 Rev 0

3. Component Examined: 1-RC-R-52

4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.	✓*		
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable base material loss noted. Support is operable as per attached REA 92-004 dated 02/04/92

12. Actual Setting: N/A Required Setting: Hot N/A
N/A Cold N/A

13. Record Work Order or DCP Number if Applicable: 141311

14. Recommended Supplemental Exam: Yes: ____ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A Date Notification received by N/A

16. NAME OF EXAMINER (PRINT): C. L. Conner EXAM DATE 2/13/92
SIGNATURE: LEVEL II

17. ANII SIGNATURE: Michael McGrea DATE 2/14/92

VIRGINIA POWER 2-17-92 NDE Revis

STATION REQUEST REA # 92 - 006
STATION ISI REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NP _____

COMPONENT NO. 1-SI-R-36 LINE NO. 8"-SI-40-153A-Q2.

LOCATION DWG. 11715-WMKS-01118 Rev 0 REFERENCE DWG _____

REPORTER PROBLEM:

① Heavy paint and corrosion present on sliding surface.
② Paint has been removed from accessible areas.

REPORTED BY: C. L. Conner DATE: 1/31/92 EXT. 2065

Is the component support operable in the current condition? ✓ yes ___ no

EVALUATION: In order to gage the extent of corrosion, all paint and corrosion shall be removed from the accessible areas of the sliding surface to permit ISI visual inspection. If inspection indicates measureable loss of base metal on sliding surface, then contact DEC for repair. Remaining inaccessible paint and corrosion can be left in place if other accessible areas reveal no measureable base metal loss.

CORRECTIVE ACTION REQUIRED

Since all accessible areas have been cleaned ISI shall inspect base metal on sliding surfaces to ensure no measureable material loss. Report any measureable base metal loss indications to DEC for further disposition. See disposition to DR # N-92-0284 for further instructions.

EVALUATED BY: C. A. Faleski DATE: 02-03-92

REVIEWED BY: Gary E Mitchell DATE: 2/4/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: SI
2. Drawing: 11715-WMKS-0111B REV. 0 Note: Support Design Drawing must be used on location during VT-3 examinations of component supports		3. Direct: ☒ Remote: ☐
4. Component Inspected: 1-SI-R-36 8"-SI-40-153A-Q2		
5. For Spring Hangers: Manufacturer: N/A	Model Number: N/A	Spring Size: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		*✓	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: * HEAVY PAINT AND CORROSION PRESENT ON SLIDING SURFACE. PAINT HAS BEEN REMOVED FROM ACCESSABLE AREAS. REFER TO EVALUATION FROM ENGINEERING.

13. ACTUAL SETTING: N/A REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable. N/A

15. Notify ISI Engineering of reportable condition.
1/31/92 Date ______ Notification received by [signature]

16. NAME OF EXAMINER (PRINT): GARY NOEL EXAM DATE 1-29-92
SIGNATURE: [signature] LEVEL II

17. ANII SIGNATURE: [signature] DATE 2/12/92

~~NOTE No MEASUREABLE MATERIAL LOSS OF ACCESSABLE BASE METAL~~ 2-6-92 GN

VIRGINIA POWER 2-17-92 [initials] NDE Review

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: SI

2. Drawing: 11715-PSSK-111B.01 Rev. 1
11715-WMKS-0111B Rev. 0
Remote: Direct: ✓

3. Component Examined: 1-SI-R-36 8"-SI-40-153A-Q2

4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base material noted. Support is operable per attached REA 92-006 dated 02/04/92

12. Actual Setting: N/A Required Setting: Hot N/A
N/A Cold N/A

13. Record Work Order or DCP Number if Applicable: 139747 and OR N-92-0178

14. Recommended Supplemental Exam: Yes: ____ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A Date Notification received by N/A

16. NAME OF EXAMINER (PRINT): C. L. Conner EXAM DATE 2-6-92
SIGNATURE: [signature] LEVEL III

17. ANII SIGNATURE: [signature] DATE 2/14/92

STATION REQUEST REA # 92 - 008
STATION ISI
REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NP ______

COMPONENT NO. 1-CH-R-2 LINE NO. 2"-CH-68-1502-Q1

LOCATION DWG. 11715-WMKS-0111BA REFERENCE DWG ______

REPORTED PROBLEM:

① Paint and corrosion present on sliding surfaces.
② Accessible areas have been cleaned

REPORTED BY: C.L. Conner DATE: 1/31/92 EXT. 2065

Is the component support operable in the current condition? ✓ yes ___ no

EVALUATION: Since a best effort attempt has been made to remove all paint and corrosion from sliding surface and no significant base metal loss has been reported, the remaining inaccessible areas are of no concern to support operability.

CORRECTIVE ACTION REQUIRED

Touch-up coat all accessible areas as required. Do not coat sliding surfaces. See disposition to DR # N92-0288 and follow NAS-3000.

EVALUATED BY: C.A. Fehrigh DATE: 02-06-92

REVIEWED BY: G.E. Modzelewski DATE: 2/6/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: CH
2. Drawing: 11715-WMKS-0111BA Note: Support Design Drawing must be used on location during VT-3 examinations of component supports		3. Direct: ☒ Remote: ☐

4. Component Inspected: 1-CH-R-2 2"-CH-6B-1502-Q1

5. For Spring Hangers:
Manufacturer: N/A Model Number: N/A Spring Size: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		*✓	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: *Paint and corrosion present on sliding surface. All accessable areas have been cleaned. Refer to engineering for evaluation.

13. ACTUAL SETTING: N/A REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable.

15. Notify ISI Engineering of reportable condition.
1/31/92 Notification received by [signature]
Date

16. NAME OF EXAMINER (PRINT): Gary Noel EXAM DATE 1-29-92
SIGNATURE: [signature] LEVEL II

17. ANII SIGNATURE: [signature] DATE 2/10/92

~~Note: No measurable material loss on adjacent base metal~~ 2-10-92 [initials]

VIRGINIA POWER 2-17-92 [initials] NDE Review

D

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: CH	
2. Drawing: 11715-[illegible]E-111BA.02 11715-[illegible]65-0111BA		Remote:	Direct: ✓
3. Component Examined: 1-CH-R-2		2"-CH-68-1502-Q1	
4. For Spring Hangers (if available): Manufacturer: N/A	Model Number: N/A	Spring Size: N/A	

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base material noted. Support is operable per REA 92-008 (attached) dated 02/06/92.

12. Actual Setting: N/A Required Setting: Hot N/A
N/A Cold N/A

13. Record Work Order or DCP Number if Applicable: 139744 and DR N92-0288

14. Recommended Supplemental Exam: Yes: ____ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A (Date) Notification received by N/A

16. NAME OF EXAMINER (PRINT): C. L. Conner EXAM DATE 2-7-92
SIGNATURE: [signature] LEVEL III

17. ANII SIGNATURE: Mark M. Bowe DATE 2/14/92

STATION REQUEST REA # 92 - 012
STATION ISI REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NP _____

COMPONENT NO. 1-CH-R-3 LINE NO. 2"-CH-68-1502-Q1

LOCATION DWG. 11715-WMKS-0111BA Rev. 0 REFERENCE DWG 11715-PSSK-111BA.0

REPORTED PROBLEM:
(1) Minor paint and corrosion present on sliding surface.
(2) All accessible areas have been cleaned.

REPORTED BY: C. L. Connor DATE: 2/4/92 EXT. 2065

Is the component support operable in the current condition? ✓ yes ____ no

EVALUATION: Since a best effort attempt has been made to remove all paint and corrosion from sliding surface and no significant base metal loss has been reported, the remaining inaccessible areas are of no concern to support operability.

CORRECTIVE ACTION REQUIRED
Touch-up coat all accessible areas as required. Do not coat sliding surfaces. See disposition to DR # N92-0288 and follow NAS-3000.

EVALUATED BY: C. L. Zalesak DATE: 02-06-92

REVIEWED BY: Gary E Modzelewski DATE: 2/6/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: CC
2. Drawing: 11715-WMKS-0111BA REV.0 Note: Support **Design** Drawing must be used on location during VT-3 examinations of component supports.		3. Direct: ☒ Remote: ☐

4. Component Inspected: CH 1-CC-R-3 [CH GM 2-18-92] 2"-CH-68-1502-Q1

5. For Spring Hangers:
Manufacturer: N/A Model Number: N/A Spring Size: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weigh of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		*✓	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: * MINOR PAINT AND CORROSION PRESENT ON SLIDING SURFACE. ALL ACCESSABLE AREAS CLEANED.

13. ACTUAL SETTING: N/A REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable.

15. Notify ISI Engineering of reportable condition.
2/17/92 Date Notification received by [signature]

16. NAME OF EXAMINER (PRINT): GARY NOEL EXAM DATE 2-1-92
SIGNATURE: [signature] LEVEL II

17. ANII SIGNATURE: [signature] DATE 2/18/92

VIRGINIA POWER 2-17-92 NDE Review

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: CH

2. Drawing: 11715-PSSK-1110A.03 Rev. 1 Remote: Direct: ✓
11715-WMKS-0111BA Rev. 0

3. Component Examined: 1-CH-R-3 2"-CH-68-1502-Q1

4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base material noted. Supp... operable per attached RFA 92-012 dated 02/06/92.

12. Actual Setting: N/A Required Setting: Hot N/A
N/A Cold N/A

13. Record Work Order or DCR Number if Applicable: 139743 and DR N-92-0288

14. Recommended Supplemental Exam: Yes: ____ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A Notification received by N/A
Date

16. NAME OF EXAMINER (PRINT): C. L. Conner EXAM DATE 2-7-92
SIGNATURE: LEVEL III

17. ANII SIGNATURE: DATE 2/14/92

STATION REQUEST REA # 92 - 013
STATION ISI
REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NP ______

COMPONENT NO. 1-CH-R-6   LINE NO. 2"-CH-68-1502-Q1

LOCATION DWG. 11715-WMKS-0111BA Rev.0   REFERENCE DWG 11715-PSSK-111BA.6

REPORTED PROBLEM:

① Minor paint and corrosion present on sliding surface.
② All accessible areas have been cleaned.
③ Not proper slide area spacing per PSSK 111BA.06

REPORTED BY: C. C. Conner   DATE: 2/4/92   EXT. 2065

Is the component support operable in the current condition? ✓ yes ___ no

EVALUATION: Since a best effort attempt has been made to remove all paint and corrosion from sliding surface and no significant base metal loss has been reported, the remaining inaccessible areas are of no concern to support operability. Both top and bottom surfaces of the Tee are sliding surfaces, hence the gaps are acceptable for operability purposes. The support is ~~just~~ also bearing on the top side of the Tee.

CORRECTIVE ACTION REQUIRED

Touch-up all accessible areas as required. Do not coat sliding surfaces. See disposition to DR *N92-0288 and follow NAS-3008. No corrective action required for reported 'slide area spacing'.

EVALUATED BY: C.A. Felecial   DATE: 02-06-92

REVIEWED BY: Gary E. Miedzielewski   DATE: 2/6/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

1. Station: NAPS	Unit: 1	System: CC
2. Drawing: 11715-WMKS-0111BA REV. 0 Note: Support Design Drawing must be used on location during VT-3 examinations of component supports		3. Direct: ☒ Remote: ☐

4. Component Inspected: CH 1-RC-R-6 2-10-92 2: CH-6B-1502-Q1

5. For Spring Hangers: Manufacturer: N/A Model Number: N/A Spring Size: N/A

NOTE: If the mechanical connection a non-integral support is buried within the insulation, the insulation must removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		*✓	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: * MINOR PAINT AND CORROSION PRESENT ON SLIDING SURFACE. AN ACCESSABLE AREAS CLEANED. NOT PROPER SLIDE AREA SPACING PER. PSSK DWG. 11715-PSSK-~~WMA.06~~ 111BA.06 2-1-92

13. ACTUAL SETTING: N/A REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable. N/A

15. Notify ISI Engineering of reportable condition.
2/3/92 Date Notification received by [signature]

16. NAME OF EXAMINER (PRINT): GARY [illegible] EXAM DATE 2-1-92
SIGNATURE: [signature] LEVEL II

17. ANII SIGNATURE: Mark M Hum DATE 2/6/92

VIRGINIA POWER 2-17-92 NCE Review

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: CH

2. Drawing: 11715-PSSK-111BA.06 Rev. 0 Remote: Direct: ✓
11715-WMKS-0111BA Rev. 0

3. Component Examined: 1-CH-R-6 2"-CH-68-1502-Q1

4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base material noted. Support is operable per attached IEA 92-013 dated 02/06/92

12. Actual Setting: N/A Required Setting: Hot N/A
N/A Cold N/A

13. Recommended Work Order or DCP Number if Applicable: 139742 and DR N-92-0285

14. Recommended Supplemental Exam: Yes: ____ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A Notification received by N/A
Date

16. NAME OF EXAMINER (PRINT): C. L. Conner EXAM DATE 2-7-92
SIGNATURE: C L Conner LEVEL III

17. ANII SIGNATURE: Mark M. Hess DATE 2/14/92

STATION REQUEST REA # 92 - 014
STATION ISI
REQUEST #

ENGINEERING EVALUATION
Class 1, 2, and 3 Component Support Problem Resolution

NP ______

COMPONENT NO. 1-CH-R-8 LINE NO. 2"-CH-68-1502-Q1

LOCATION DWG. 11715-WMKS-111BA Rev. 0 REFERENCE DWG 11715-PSSK-111BA.

REPORTED PROBLEM:

(1) Minor paint and corrosion present on sliding surface
(2) All accessible areas cleaned.
(3) Not proper slide area spacing per 11715-PSSK-111BA.08

REPORTED BY: C.L. Conner DATE: 2/4/92 EXT. 2065

Is the component support operable in the current condition? ✓ yes ___ no

EVALUATION: Since a best effort attempt has been made to remove all paint and corrosion from sliding surface and no significant base metal loss has been reported, the remaining inaccessible areas at of no concern to support operability. Both top and bottom surface of the Tee are sliding surfaces, hence the gaps are acceptable for operability purposes. The support is also bearing on the top surface of the Tee.

CORRECTIVE ACTION REQUIRED

Touch-up all accessible areas as required. Do not coat sliding surfaces. See disposition to DR *N92 0288 and follow NAS-3000. No corrective action required for reported 'slide area spacing'.

EVALUATED BY: C.A. [signature] DATE: 02-06-92

REVIEWED BY: Gary E Motyzelewski DATE: 2/6/92

VIRGINIA POWER
VISUAL EXAMINATION (VT-3)
COMPONENT SUPPORTS

Docket Number: 50-338
Serial Number: 92-366
Attachment 3
Page [illegible] of 36

1. Station: NAPS	Unit: 1	System: CC
2. Drawing: 11715-WMKS-0111BA. REV.0 Note: Support Design Drawing must be used on location during VT-3 examinations of component supports		3. Direct: ☒ Remote: ☐

4. Component Inspected: CH 6" 2-18-92
1-RC-R-8 2"-CH-68-1502-Q1

5. For Spring Hangers: Manufacturer: N/A Model Number: N/A Spring Size: N/A

NOTE: If the mechanical connection of a non-integral support is buried within the insulation, the insulation must be removed unless the support carries the weight of the component or serves as a structural restraint in compression. Contact ISI Engineering if there are any questions.

CHECKLIST	ACCEPT	REJECT	N/A
6. Structural degradation of the support such that the cross-section area is reduced more than 5 percent.	✓		
7. Deformation or structural degradation of fasteners, springs, clamps, or other support items.	✓		
8. Missing, detached, or loosened support items	✓		
9. ARC strikes weld spatter, paint, scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.		*✓	
10. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY)			✓
11. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS)			✓

12. Comments: * MINOR PAINT AND CORRASION PRESENT ON SLIDING SURFACE. ALL ACCESSABLE AREAS CLEANED. NOT PROPER SLIDE AREA SPACING PER PSSK DWG. 11715-PSSH-111B1.08

13. ACTUAL SETTING: N/A REQUIRED SETTING HOT N/A COLD N/A

14. Record Work Order Number or DCP Number if applicable.

15. Notify ISI Engineering of reportable condition.
2/2/92 Date Notification received by [signature]

16. NAME OF EXAMINER (PRINT): GARY NUEL EXAM DATE 2-1-92
SIGNATURE: [signature] LEVEL II

17. ANII SIGNATURE: [signature] DATE 2/18/92

2-17-92 NDE Review

ATTACHMENT 4
VIRGINIA POWER
VISUAL EXAMINATION REPORT (VT-3)
IWF COMPONENT SUPPORTS

1. Station: NAPS Unit: 1 System: CH

2. Drawing: 11715-FSSK-111BA.08
11715-WMKS-0111BA Rev. 0 Remote: Direct: ✓

3. Component Examined: 1-CH-R-8 2"-CH-68-1502-Q1

4. For Spring Hangers (if available): Manufacturer: N/A Model Number: N/A Spring Size: N/A

CHECKLIST	ACCEPT	REJECT	N/A
5. Structural degradation of the support such that cross-section area is reduced.	✓		
6. Deformations or structural degradations of fasteners, springs, clamps, or other support items.	✓		
7. Missing, detached, or loosened support items.	✓		
8. ARC strikes, weld spatter, paint, scoring roughness, or general corrosion on close tolerance machines or sliding surfaces.		*	
9. Fluid loss beyond specified limits or lack of fluid indication (HYDRAULIC SNUBBERS ONLY).			✓
10. Improper hot or cold positions (SNUBBERS AND SPRING SUPPORTS).			✓

11. Comments: No measurable loss of base material noted. Support is operable per attached REA 92-014 dated 02/06/92

12. Actual Setting: N/A Required Setting: Hot N/A
N/A Cold N/A

13. Record Work Order or DCP Number if Applicable: 139741 and DR N92-0288

14. Recommended Supplemental Exam: Yes: ___ No: ✓ Type: N/A

15. Notify ISI Engineer of reportable condition.
N/A Notification received by N/A
Date

16. NAME OF EXAMINER (PRINT): C. L. Conner EXAM DATE 2-7-92
SIGNATURE: [signature] LEVEL III

17. ANII SIGNATURE: [signature] DATE 2/14/92