

ATTACHMENT I

INSERVICE INSPECTION REPORT

of the

North Anna Power Station

Unit 1

P.O. Box 402

Mineral, Virginia 23117

for

Virginia Electric and Power Company

5000 Dominion Boulevard

Glen Allen, Virginia 23060

Commercial Service Date: June 6, 1978

Operating Capacity: 944 MWe (net)

Refueling Outage: 1st Period, 2nd Interval

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.
REACTOR VESSEL	ROM ROTTERDAM	30851	VA 58328	N/A
PRESSURIZER	WESTINGHOUSE ELECTRIC CORP.	1271	VA 58322	6888
STEAM GENERATOR "A"	WESTINGHOUSE ELECTRIC CORP.	1261	VA 58327	6867
STEAM GENERATOR "B"	WESTINGHOUSE ELECTRIC CORP.	1262	VA 59323	6868
STEAM GENERATOR "C"	WESTINGHOUSE ELECTRIC CORP.	1263	VA 58324	6869
BORON INJECTION TANK	STRUTHER WELLS	2-70-07-30717-9	VA 59686	13346
CLASS 1 PIPING NON-SERIALIZED	STONE & WEBSTER ENG. CORP.	N/A	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	290	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	251	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	267	N/A	N/A
CLASS 1 PIPING	S.W. FABRICATING	274	N/A	N/A
REACTOR COOLANT PUMP "A"	ESCO CORP.	723	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
CHARGING PUMP "A"	PACIFIC PUMPS	46357	N/A	N/A
RESIDUAL HEAT EXCHANGER "A"	JOSEPH OAT & COMPANY	1832-3	VA 58337	370

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FORM NIS-1 (Back)

8. Examination Dates 7-14-89 to 3-5-91 9. Inspection Interval from 12-24-88 to 12-24-98
10. Applicable Editions of Section XI 1983 Addenda 683
11. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. Attachment I pages 8-51 and Attachment II pages 1-93
12. Abstract of Conditions Noted. Attachment I pages 8-51 and Attachment II pages 1-93
13. Abstract of Corrective Measures Recommended and Taken. Attachment I pages 8-51 and Attachment II pages 1-93

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI. Corrective measures not conforming to the rules of the ASME Code, Section XI, are noted on the NIS-2 forms.

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

Date May 29 19 91 Signed Virginia Power By E W Throckmorton
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 & L Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 14 July 1989 to 31 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 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 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. Hahn Commissions VA-558
Inspector's Signature National Board, State, Province, and Endorsements

Date 31 MAY 19 91

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OUTSIDE RECIRC. SPRAY PUMP "B"	BINGHAM WILLAMETTE COMPANY	200466	N/A	156
CLASS 2 PIPING NON-SERIALIZED	STONE & WFSSTER ENG. CORP.	N/A	N/A	N/A
CLASS 1 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/A	N/A
CLASS 2 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/A	N/A
CLASS 3 COMPONENT SUPPORTS	VIRGINIA ELECTRIC & POWER CO.	N/A	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	89-301	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	89-B066	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	89-B067	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	89-B071	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	89-B072	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-126	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-225	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-B007	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	90-B073	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-007	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-025	N/A	N/A

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REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-029	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-033	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-034	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-035	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-036	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-037	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-038	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-039	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-040	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-041	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-042	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-043	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-048	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-050	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-055	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-058	N/A	N/A

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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-060	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-061	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-062	N/A	N/A
REPAIR AND REPLACEMENT	WESTINGHOUSE ELECTRIC CORP.	91-066	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-067	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-069	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-070	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-071	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-072	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-074	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-076	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-077, A, B	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-078	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-081	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8001	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8003	N/A	N/A

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REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B010	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B011	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B013	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B018	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B019	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B020	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B021	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B022	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B023	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B024	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B025	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B026	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B027	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B028	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B029	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B030	N/A	N/A

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REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B031	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B032	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B034	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B037	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B038	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B042	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B043	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B044	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B045	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B046	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B048	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B050	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B051	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B053	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B054	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-B057	N/A	N/A

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REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8058	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8060	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8067	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8068	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8073	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8076	N/A	N/A
REPAIR AND REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	91-8078	N/A	N/A
SNUBBER REPLACEMENT	VIRGINIA ELECTRIC & POWER CO.	WD 5900111378	N/A	N/A
DESIGN CHANGE PACKAGE	FLOUR DANIEL	89-46	N/A	N/A
DESIGN CHANGE PACKAGE	WESTINGHOUSE ELECTRIC CORP.	89-49	N/A	N/A

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Introduction

This report includes the Interval 1 inservice examinations of Class 1, Class 2, and Class 3 components, piping and component supports that were conducted at North Anna Power Station Unit 1 from July 14, 1989 to March 5, 1991. 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 (B.T. Campbell, M.M. Grace, G.W. Hiers, W. E. Huber, C. A. Ireland, D.R. Laakso, and C.E. Metcalfe), North Anna Station Quality Assurance Department, and the North Anna technical staff.

Limitations

Some of the arrangements and details of the piping system and components were designed and fabricated before the access and examination requirements of Section XI of the 1983 Code could be applied; consequently some examinations are limited or not practical due to geometric configuration or accessibility.

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 angles or methods were considered in an attempt to achieve the maximum examination volume. Generally partial examinations (PARs) are noted at fitting to fitting assemblies and where integrally welded supports, lugs or hangers, etc., preclude access to some part of the examination area.

Some repair activities were performed after the end of the refueling outage, March 5, 1991. These post-outage activities are included in

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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.

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Results

Examinations of components and component supports resulted in a total of 50 components being reported on the basis of procedure reporting criteria.

A summary of the indications and their dispositions follows:

- A) A 1.3" linear indication was noted on main steam welded support 1M on drawing 11715-WMKS-101B. The indication was originally discovered by an inservice inspection performed during the last refueling outage. The indication has remained unchanged since that time and the previous evaluation performed is still valid. The condition is acceptable for continued use. This completes the requirements of IWC-2420, Successive Inspections.
- B) Heavy rust and corrosion was report on attachment weld 1-SHP-PEN-73 on 11715-WMKS-0101B. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the corrosion will be removed, the bare metal recoated, and the support reexamined.
- C) Corrosion was present on support 1-WFPD-R-33 on 11715-WMKS-0102A. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the corrosion will be removed, the area recoated, and the support reexamined.
- D) Drawing 11715-WMKS-103AC did not reflect the field arrangement of support 1-SI-R-208 and 1-SI-SH-207. Prior to the end of the next refueling outage the arrangement will be walked down and the drawing will be revised if necessary.
- E) Corrosion was present at the area of contact between the pipe and support on 1-CC-S-19D on 11715-WMKS-0103AN. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the corrosion will be removed, the area recoated, and the support reexamined.

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- F) Corrosion was present at the area of contact between the pipe and support on 1-CC-S-24D on 11715-WMKS-0103AN. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the corrosion will be removed, the area recoated, and the support reexamined.
- G) Localized general corrosion was noted on the studs and nuts of flow element 1-RC-FE-1480 on 11715-WMKS-0103AR. The studs and nuts were replaced under Repair and Replacement Program 91-B042. The studs and nuts were reinspected after replacement and were found to be acceptable.
- H) The concrete was broken behind a bolted connection of support 1-CH-R-9 on 11715-WMKS-0103AT. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- I) The clevis bolts were loose, the upper and lower lug connections were also loose, and the support 1-CH-R-19 on 11715-WMKS-0103AV did not match the arrangement on 11715-PSSK-103AV.17. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The loose bolts were tightened (WO 122238) and the support was found to be acceptable upon reexamination. Prior to the end of the next refueling outage drawing 11715-PSSK-103AV.17 will be revised.
- J) Minor corrosion and paint was found on integral attachment 19H on 11715-WMKS-0103B. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the corrosion will be removed, the area recoated, and the support reexamined.
- K) Heavy rust and corrosion was noted on the contact surface between the pipe and support 1-CC-R-32C on 11715-WMKS-0103B. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the corrosion will be removed, the area recoated and the support reexamined.

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- L) The paddle and column end of support 1-CH-R-41A on 11715-WMKS-0103BC was loose. The rod end was secured to the extension piece and jam nuts were installed (WO 122705). The support was reexamined and found to be acceptable.
- M) Lock nuts were missing, the pipe clamp was misaligned, and improper clearance between the pipe clamp and hanger box was reported on support 1-RC-R-1 on 11715-WMKS-0103BE. The lock nuts were installed, the pipe clamp was realigned (WO 122700), and the support was found acceptable upon reexamination.
- N) Heavy corrosion was reported on the base plate and base plate welds of 1-RC-R-9 on 11715-WMKS-103BK-2. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the rust will be removed, the base plate recoated, and the support reexamined.
- O) Loose bolts were noted on support 1-RC-R-2 on 11715-WMKS-0103BM. The bolts were tightened (WO 122401). The reexamination found a specified gap could not be maintained. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- P) The clearances on support 1-WS-R-83 on 11715-WMKS-105H-1 did not agree with the design drawing. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- Q) Paint was reported on the sliding surface of 1-WS-R-85 on 11715-WMKS-105H-2. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- R) Paint and corrosion were present on the sliding surface and insufficient clearance was noted on support 1-WS-R-172 on 11715-WMKS-0105J-1. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.

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- S) Paint and roughness were reported on the sliding surface of 1-WS-SH-303 on 11715-WMKS-0105J-1. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The paint will be removed from the sliding surface and the support reexamined prior to the end of the next refueling outage.
- T) A one inch of weld area at the bottom of the pipe on integral attachment 34H on 11715-WMKS-0105J-2 was reported to have heavy corrosion and a lack of weld metal. The attachment was reexamined and found to be acceptable.
- U) Insufficient clearance was noted on support 1-WS-A-96 on 11715-WMKS-0105J-2. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- V) Insufficient clearance was noted on support 1-WS-A-102 on 11715-WMKS-0105J-2. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- W) Paint was reported on the spherical bearings, the bottom snap ring was missing, and grout was cracked under the base plate of support 1-WS-R-327 on 11715-WMKS-0105R. The condition of the grout was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The snap ring was installed (WO 122240), the paint was removed from the spherical bearings, the support was found to be acceptable upon reexamination.
- X) Paint was reported on the spherical bearings of support 1-WS-R-332 on 11715-WMKS-0105R. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The paint will be removed from the spherical bearings and the support reexamined prior to the end of the next refueling outage.
- Y) Heavy rust on the bolting and base plate was reported on 1-SHP-R-176 on 11715-WMKS-0107GA. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The rust will be removed, the area recoated, and the support reexamined prior to the end of the next refueling outage.

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- 2) Improper clearance on the top and shim plate side was reported on support 1-WCMU-R-53 on 11715-WMKS-0107GB. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- AA) Heavy rust and paint were reported on the spherical bearings of support 1-SI-R-806 on 11715-WMKS-0107H. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The rust will be removed, the area recoated, and the support reexamined prior to the end of the next refueling outage.
- AB) A heavy build-up of paint was reported on the sliding surface of support 1-RC-R-30 on 11715-WMKS-0110B-1. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The paint will be removed and the support reexamined prior to the end of the next refueling outage.
- AC) Improper spring setting was reported on support 1-RC-SH-3 on 11715-WMKS-0110B-1. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The spring setting was adjusted (WO 122852) and the support was found to be acceptable upon reexamination.
- AD) The pipe and support clamp of support 1-RC-SH-17 on 11715-WMKS-0110B-1 had shifted out of position. The spring can pistons were reported to be in contact with the sides of the springs. The clamp was in contact with support 1-RC-R-16 on line 4"-RC-15-1502-Q1. The setting was rejected, due to the contact it was not a true reading. Minor grout chipping and corrosion on the base plate was also reported. The condition of the grout was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The base plate grout will be regouted and corrosion removed and recoated, and the support reexamined prior to the end of the next refueling outage. Virginia Electric and Power Company Engineering looked over the support and reported no misalignment or lack of clearance. The support was determined to be acceptable.

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- AE) Spring support 1-RC-SH-18 on 11715-WMKS-0110B-1 was rejected on the following conditions; only three hilti bolts and a weld to plate were present, a large dent in the spring housing, rod misalignment, a slight bend in the rod below the connecting knuckle, and the spring setting was out of tolerance. The number of hilti bolts was in agreement with the design drawing. The condition of the dent was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The rod was realigned and spring setting adjusted (RR 91-074). The reexamination found the support to be acceptable.
- AF) Heavy corrosion and paint on the spherical bearings and restricted movement was reported on 1-RC-R-52 on 11715-WMKS-0110B-2. The pipe clamp spacer was replaced (RR 91-077). A missing spacer washer was reported during the reexamination. The condition of the spherical bearings and missing washer was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the paint will be removed from the spherical bearings, and the support reexamined, any deficiencies corrected.
- AG) The two top plate bolts and rod hanger were bent on support 1-CH-SH-29 on 11715-WMKS-0111AB. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- AH) A heavy build-up of paint was reported on the sliding surface of support 1-SI-R-36 on 11715-WMKS-0111B. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the paint will be removed from the sliding surface and the support reexamined.

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- AI) Support 1-CH-R-2, on 11715-WMKS-0111BA was rejected for the following indications; the sliding clamp assembly was misaligned and jammed to one side, paint and corrosion in the slide area, and missing lock nuts. The clamp was realigned and the lock nuts were added (RR 91-060). The reexamination found the lock nuts lacking full thread engagement and the slide assembly still misaligned. The condition of the lock nuts, paint and corrosion, and slide assembly was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the paint will be removed from the sliding surface and the support reexamined.
- AJ) Lock nuts were missing and paint and corrosion was noted on the sliding surface of support 1-CH-R-3 on 11715-WMKS-0111BA. The lock nuts were installed (RR 91-076) and the reexamination found the support to be acceptable. Prior to the end of the next refueling outage the corrosion will be removed and the support will be reexamined.
- AK) Lock nuts were missing and paint and corrosion was noted on the sliding surface of support 1-CH-R-6 on 11715-WMKS-0111BA. The lock nuts were installed (RR 91-061) and the reexamination found the one lock nut lacking full thread engagement. The condition of the lock nut and corrosion was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the paint and corrosion will be removed from the sliding surface and the support will be reexamined.
- AL) Lock nuts were missing and paint and corrosion was noted on the sliding surface of support 1-CH-R-8 on 11715-WMKS-0111BA. The lock nuts were installed (RR 91-062) and the reexamination found the bottom two lock nuts lacking full thread engagement, and a lack of clearance between the support base and bracket. The condition of the lock nuts, clearance, and corrosion was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the paint and corrosion will be removed from the sliding surface and the support reexamined.

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- AM) Loose lock nuts and chipped paint was reported on 1-CH-SH-9 on 11715-WMKS-0111BA. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The lock nuts were tightened (WO 123106). The spring setting was found to be at an improper setting during the reexamination and the spring size did not agree with drawing 11715-PSSK-111BA.09. The setting was adjusted (WO 123106) and was found to be acceptable upon reexamination. Prior to the end of the next refueling outage the spring can will be touched up and the support reexamined and drawing 11715-PSSK-111BA.09 will be revised.
- AN) A 1/4 inch round by 1/8 inch deep hole was reported on support 1-SI-R-9 on 11715-WMKS-0111C. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- AO) A bent anchor bolt was reported on support 1-RH-R-16 on 11715-WMKS-0113A-1. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable.
- AP) Support 1-RH-R-15A on 11715-WMKS-0113A-2 was out of adjustment and had loose lock nuts (WO 122702). The lock nuts were tightened, the support was adjusted, and found to be acceptable upon reexamination.
- AQ) A cotter pin was missing on support 1-SI-R-15 on 11715-WMKS-0113A-4. A cotter pin was installed (RR 91-055) and the support was found acceptable upon reexamination.
- AR) Corrosion was present on unpainted space blocks and around entire base of support 1-SI-R-5 on 11715-WMKS-0113B. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Prior to the end of the next refueling outage the paint and corrosion will be removed and the surface recoated and the support reexamined.
- AS) Four base plate studs were reported as being cut off of support CC-R-36 on 11715-WMKS-118A. A documentation review by Virginia Electric and Power Company Engineering determined that an old revision of the drawing was used to perform the examination. The condition was reflected in the latest revision of the drawing and is acceptable.

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- AT) The clearance around welded strap exceeded the allowable shown on the design drawing and a base plate weld was less than design in certain areas on supports 1-CC-A-363 and 1-CC-A-378 on 11715-WMKS-118XT (1-CC-A-363) and 11715-WMKS-118XR (1-CC-A-378). The orientation of the lugs and distance between the supports did not agreed with the design drawings. The clearances and drawing anomalies were evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Virginia Electric and Power Company Engineering observed the supports and could not verify the lack of weld metal. Prior to the end of the next refueling outage the supports will be reexamined and area of insufficient weld metal will be detailed.
- AU) Drawing 11715-WMKS-118ZA was found to be in error during the examination of support CC-SH-380. The drawing was revised.
- AV) Minor general corrosion was present on the sliding surfaces of support 1-RC-FRAME on 11715-WMKS-RC-E-1A. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The rust will be removed, the area recoated, and the support reexamined prior to the end of the next refueling outage.
- AW) Heavy corrosion was reported on support 1-RH-SUPPORT-OUTLET on 11715-WMKS-RH-E-1A. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The rust will be removed, the area recoated, and the support reexamined prior to the end of the next refueling outage.
- AX) Heavy corrosion and boron products were reported on support 1-RH-SUPPORT-INLET on 11715-WMKS-RH-E-1A. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. The rust will be removed, the area recoated, and the support reexamined prior to the end of the next refueling outage.

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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 III, pages 1 thru 83) represent those repairs and replacements performed on Class 1 or Class 2 systems:

- A) 89-301 - Replaced the pump casing of the "A" charging pump, 1-CH-P-1A (Class 2). In addition, the middle flange studs and nuts were replaced under bolting program 89-B067. The pump cradle, casing welded supports, and discharge line were repaired. The replacement was completed on 7-16-90.
- B) 89-B066 - Replaced 8 studs and 16 nuts on the "A" charging pump inlet flange, 1-CH-P-1A Class 2. The studs and nuts were replaced due to leakage. The replacement was completed on 9-4-89.
- C) 89-B067 - Replaced 16 studs and 16 nuts on the middle flange of the "A" charging pump, 1-CH-P-1A Class 2. The studs were replaced as part of the pump casing replacement, RR 89-301. The replacement was completed on 7-16-90.
- D) 89-B071 - Replaced 8 studs and 16 nuts on reactor coolant flow element, 1-RC-FE-1490. The studs and nuts were replaced due to leakage. The replacement was complete on 12-8-89.
- E) 89-B072 - Replaced 12 studs and 12 nuts on 3" charging check valve, 1-CH-496 Class 1. The studs and nuts were replaced due to degradation from boric acid. The replacement was completed on 2-10-90.
- F) 90-126 - Replaced a 2 inch charging valve, 1-CH-150 Class 2. The valve was replaced because it was leaking by its seat. The replacement was completed on 2-8-91.
- G) 90-225 - Replaced an elbow, 8 inches of pipe, and a 2 inch blowdown gate valve, 1-WT-482 Class 2. The valve was leaking by its seat. ASME Code Case N-416 was used to reduce the hydrostatic pressure test requirements. The replacement was completed. on 3-7-91.

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- H) 90-B007 - Replaced 4 studs on 3 inch safety injection line, 3"-SI-256-153A-Q2 Class 2. The studs were replaced due to boric acid. The replacement was completed on 7-11-90.
- I) 90-B073 - Replaced 4 studs and 8 nuts on 1 1/2 inch main steam valve, 1-MS-22 Class 2. The code required VT-2 was not performed. Deviation report 91-810 was submitted on May 29, 1991. The valve was later replaced under Repair Replacement program RR 91-050 and the VT-2 exam was performed. The studs and nuts were replaced due to leakage. The replacement was completed on 12-12-90.
- J) 91-007 - Replaced a 4 inch charging gate valve, 1-CH-550 Class 2. The valve was replaced due to leakage. The replacement was completed on 2-23-91.
- K) 91-025 - Added additional weld to pump lug weld and the fin block weld on the "B" charging pump, 1-CH-P-1B Class 2. The weld was added per manufacturer's recommendation. Also the end plate was replaced with a 5/8 inch gusset by EWR 91-017. The repair was completed on 1-29-91.
- L) 91-029 - Installed 5 welded plugs in the "C" steam generator, 1-RC-E-1C Class 1. The welded plugs were installed to prevent primary to secondary leakage. The repair was completed on 2-27-91.
- M) 91-033 - Repaired the seat of 6 inch main steam safety valve, 1-MS-SV-103C Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.
- N) 91-034 - Repaired the seat of 6 inch main steam safety valve, 1-MS-SV-105B Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.
- O) 91-035 - Repaired the seat of 6 inch main steam safety valve, 1-MS-SV-105C Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.
- P) 91-036 - Repaired the seat of 6 inch main steam safety valve, 1-MS-SV-101A Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.

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- Q) 91-037 - Repaired the seat of 6 inch main steam safety valve, 1-MS-SV-102C Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.
- R) 91-038 - Repaired the seat of 6 inch main steam safety valve, 1-MS-SV-105A Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.
- S) 91-039 - Repaired the seat of 6 inch main steam safety valve, 1-MS-SV-102B Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.
- T) 91-040 - Repaired the seat of 6 inch main steam safety valve, 1-MS-SV-101B Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.
- U) 91-041 - Replaced a 6 inch component cooling valve, 1-CC-559 Class 2. The valve failed the Type C test. The replacement was completed on 3-7-91.
- V) 91-042 - Replaced a 6 inch flanged component cooling valve, 1-CC-572 Class 2. The valve failed the Type C test. The flange studs and nuts were replaced under bolting program 91-B003. The replacement was completed on 3-7-91.
- W) 91-043 - Repaired the seat of 6 inch main steam safety valve, 1-MS-SV-103B Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.
- X) 91-048 - Repaired the seat of 6 inch main steam valve, 1-MS-HCV-104B Class 2. The seat was machined to restore the seating surfaces to design tolerances. The repair was completed on 3-7-91.
- Y) 91-050 - Replaced an 1 1/2 inch main steam globe valve, 1-MS-22 Class 2. The valve was leaking by its seat. ASME Code Case N-416 was used to reduce the hydrostatic pressure requirements. The replacement was completed on 3-7-91.
- Z) 91-055 - Installed a missing snap ring on safety injection pipe support, 1-SI-R-15 Class 1. The replacement was completed on 2-14-91.

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- AA) 91-058 - Replaced 4 cap screws and 8 nuts on reactor coolant pipe support 1-RC-SH-17 and 1-RC-SH-18 Class 1. The pipe clamps were removed to perform NDE and screws and nuts were replaced upon installation. The replacement was completed on 2-18-91.
- AB) 91-060 - Installed 4 lock nuts on a charging pipe support, 1-CH-R-2 Class 1. The lock nuts were found missing during an inservice inspection. The replacement was completed on 2-26-91.
- AC) 91-061 - Installed 4 lock nuts on a charging pipe support, 1-CH-R-6 Class 1. The lock nuts were found missing during an inservice inspection. The replacement was completed on 2-23-91.
- AD) 91-062 - Installed 4 lock nuts on a charging pipe support, 1-CH-R-8 Class 1. The lock nuts were found missing during an inservice inspection. The replacement was completed on 2-23-91.
- AE) 91-066 - Installed 3 welded plugs in the "B" steam generator, 1-RC-E-1B Class 1. The welded plugs were installed to prevent primary to secondary leakage. The repair was completed on 2-27-91.
- AF) 91-067 Replaced a 16 inch service water check valve, 1-SW-100 Class 2. Replaced 16 studs and 32 nuts as part of the replacement. The valve was replaced due to corrosion. A VT-1 examination of bolting, which is not required by ASME Section XI but required by the maintenance procedure, was performed by a Level I examiner. The maintenance procedure required a Level II examiner. The replacement was completed on 2-26-91.
- AG) 91-069 Replaced a 16 inch service check water valve, 1-SW-120 Class 2. Replaced 16 studs and 32 nuts as part of the replacement. The valve was replaced due to corrosion. A VT-1 examination of bolting, which is not required by ASME Section XI but required by the maintenance procedure, was performed by a Level I examiner. The maintenance procedure required a Level II examiner. The replacement was completed on 2-26-91.

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- AH) 91-070 Replaced a 16 inch service water check valve, 1-SW-130 Class 2. Replaced 16 studs and 32 nuts as part of the replacement. The valve was replaced due to corrosion. A VT-1 examination of bolting, which is not required by ASME Section XI but required by the maintenance procedure, was performed by a Level I examiner. The maintenance procedure required a Level II examiner. The replacement was completed on 2-26-91.
- AI) 91-071 Replaced a 16 inch service water check valve, 1-SW-140. Replaced 16 studs and 32 nuts as part of the replacement. The valve was replaced due to corrosion. A VT-1 examination of bolting, which is not required by ASME Section XI but required by the maintenance procedure, was performed by a Level I examiner. The maintenance procedure required a Level II examiner. The replacement was completed on 2-26-91.
- AJ) 91-072 Replaced the bonnet, studs, and nuts, on 6" refueling purification valve, 1-RP-6 Class 2. The bonnet, studs, and nuts were replaced due to corrosion. The replacement was completed on 2-28-91.
- AK) 91-074 Replaced bent tension rod, 4 nuts, and adjusted the spring setting on reactor coolant spring hanger, 1-RC-SH-18 Class 1. The replacement was completed on 3-2-91.
- AL) 91-076 Replaced 4 hex head cap screws and 8 nuts on charging pipe support, 1-CH-R-3 Class 1. The support was rejected by NDE. The replacement was completed on 2-27-91.
- AM) 91-077, A, B Installed a spacer on swivel bearing of reactor coolant pipe support, 1-RC-R-52 Class 1. The post replacement VT-3 exam found the washers to be missing. The condition was evaluated by Virginia Electric and Power Company Engineering and determined to be acceptable. Based on documentation provided with Work Order 122703 it was not possible to determine exactly which items were replaced or installed. Deviation report 91-809 was submitted on May 29, 1991. The support was determined to be operable by Virginia Electric and Power Company Engineering. The support will be reexamined and any deficiencies corrected prior to the end of the next refueling outage. The replacement was completed on 3-2-91.

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- AN) 91-078 Installed 4 lock nuts on reactor coolant pipe support, 1-RC-R-1 Class 1. The support was rejected by NDE. The replacement was completed on 2-28-91.
- AO) 91-081 Replaced a 4 inch fire protection valve, 1-FP-272 Class 2. the valve was replaced because it leaked by its seat. The valve was replaced by a commercial grade valve which was upgraded to Safety Related per PTE NA-91-00123. Preservice hydrostatic for upgrade did not meet design requirement and the system inservice test was not performed. The system inservice test at nominal operating pressure and a hydrostatic pressure test will be performed prior to the end of the next refueling outage. The replacement was completed on 3-5-91.
- AP) 91-B001 Replaced 16 studs and 32 nuts on 10 inch residual heat removal control valve, 1-RH-HCV-1758 Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 2-20-91.
- AQ) 91-B003 - Replaced 8 studs and 16 nuts on 6 inch component cooling flange for valve, 1-CC-572 Class 2. The studs and nuts were replaced as part of the valve replacement, repair program 91-042. The replacement was completed on 3-7-91.
- AR) 91-B010 - Replaced 4 studs and 8 nuts on 3 inch safety injection flange downstream of valve, 1-SI-MOV-1885B Class 2. The studs and nuts were replaced due to boric acid. The replacement was completed on 3-2-91.
- AS) 91-B011 - Replaced 12 studs and 12 nuts on 3 inch safety injection flange downstream of 1-SI-MOV-1836 Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 2-24-91.
- AT) 91-B013 - Replaced 20 studs and 40 nuts on 14 inch residual heat removal flange, Class 2. The flange is on the "B" RHR pump suction upstream of 1-RH-50. The studs and nuts were replaced due to corrosion. The replacement was completed on 2-13-91.
- AU) 91-B018 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-101A Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.

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-
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- AV) 91-B019 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-101B Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- AW) 91-B020 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-101C Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- AX) 91-B021 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-102A Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- AY) 91-B022 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-102B Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- AZ) 91-B023 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-102C Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BA) 91-B024 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-103A Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BB) 91-B025 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-103B Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BC) 91-B026 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-103C Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.

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- 3D) 91-B027 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-104A Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BE) 91-B028 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-104B Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BF) 91-B029 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-104C Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BG) 91-B030 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-105A Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BH) 91-B031 - Replaced 12 studs and 24 nuts on 6 inch main steam safety valve, 1-MS-SV-105B Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BI) 91-B032 - Replaced studs and nuts on 6 inch main steam safety valve, 1-MS-SV-105C Class 2. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BJ) 91-B034 - Replaced 20 studs and 40 nuts on 12 inch safety injection valve, 1-SI-MOV-1860A Class 2. The studs and nuts were found to be unacceptable during an inservice inspection. The replacement was completed on 2-11-91.
- BK) 91-B037 - Replaced 16 studs and 32 nuts on 12 inch safety injection valve, 1-SI-1 Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 2-20-91.
- BL) 91-BC38 - Replaced 8 studs and 16 nuts on 3 inch charging valve, 1-CH-MOV-1380 Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 3-7-91.

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- BM) 91-B042 - Replaced 8 studs and 16 nuts on 2 inch reactor coolant flow element, 1-RC-FE-1480 Class 1. The studs and nuts were rejected by NDE. The replacement was completed on 3-7-91.
- BN) 91-B043 - Replaced 28 studs and 56 nuts on 6 inch pressurizer relief valve, 1-RC-SV-1551A Class 1. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BO) 91-B044 - Replaced 28 studs and 56 nuts on 6 inch pressurizer relief valve, 1-RC-SV-1551B Class 1. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BP) 91-B045 - Replaced 28 studs and 56 nuts on 6 inch pressurizer relief valve, 1-RC-SV-1551C Class 1. The valve was removed for testing and the studs and nuts were replaced upon installation. The replacement was completed on 3-7-91.
- BQ) 91-B046 - Replaced 4 studs and 8 nuts on 2 inch charging relief valve, 1-CH-RV-1209 Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 3-8-91.
- BR) 91-B048 - Replaced 8 studs and 16 nuts on 6 inch component cooling flange for valve, 1-CC-559 Class 2. The studs and nuts were replaced as part of the valve replacement, repair program 91-041. The replacement was completed on 3-7-91.
- BS) 91-B050 - Replaced 12 studs and 12 nuts on 3 inch safety injection valve, 1-SI-MOV-1867B Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 3-4-91.
- BT) 91-B051 - Replaced 16 studs and 32 nuts on 10 inch residual heat removal valve, 1-RH-19 Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 2-16-91.
- BU) 91-B053 - Replaced 12 studs and 12 nuts on 3 inch body to bonnet connection of reactor coolant valve, 1-RC-24 Class 1. Also, 4 studs and 8 nuts were replaced on the leak off flange. The studs and nuts were replaced due to corrosion. The replacement was completed on 3-7-91.

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- BV) 91-B054 - Replaced 8 studs and 16 nuts on 2 inch charging valve, 1-CH-MOV-1350 Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 3-7-91.
- BW) 91-B057 - Replaced 4 studs and 8 nuts on 2 inch charging valve, 1-CH-RV-1382A Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 3-7-91.
- BX) 91-B058 - Replaced 1 stud and 1 nut on 32 inch main steam trip valve, 1-MS-TV-101A Class 2. The stud and nut were replaced due to galling. The replacement was completed on 3-7-91.
- BY) 91-B060 - Replaced 8 studs and 16 nuts on 3 inch feedwater valve, 1-FW-68 Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 3-7-91.
- BZ) 91-B067 - Replaced 20 studs and 40 nuts on 12 inch safety injection gate valve, 1-SI-MOV-1860B Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 3-17-91.
- CA) 91-B068 - Replaced 4 studs and 8 nuts on the "C" reactor coolant pump, 1-RC-P-1C Class 1. The studs and nuts were replaced to repair a leaky flange. The replacement was completed on 3-7-91.
- CB) 91-B073 - Replaced 8 studs and 16 nuts on 2 inch gaseous drain valve, 1-DG-TV-100B Class 2. The studs and nuts were replaced due to corrosion. The replacement was completed on 3-7-91.
- CC) 91-B076 - Replaced 8 studs and 16 nuts on 4 inch fire protection valve, 1-FP-272 Class 2. The studs and nuts were replaced as part of the valve replacement, repair program 91-081. A Type C leak rate test was performed at 45 psig. A normal operating pressure test will be performed next refueling outage. The replacement was completed on 3-5-91.
- CD) 91-B078 - Replaced 36 studs and 72 nuts on the non-regen. heat exchanger, 1-CH-E-2 Class 2. The studs and nuts were replaced due to corrosion. This replacement was performed during startup, after the official end of the refueling outage. The replacement was completed on 4-8-91.

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Snubber Replacements

The following lists the number of snubbers replaced in each system and the reason they were replaced. A total of 77 snubbers were replaced as part of the Tech. Spec. functional test program. A total of 2 snubbers were replaced and tested since they had failed the functional test during the last refueling outage. A total of 154 snubbers were replaced due to seal life expiring prior to the next scheduled refueling outage. A total of 7 snubbers were replaced per engineering request to resolve various visual anomalies.

Snubber 1-RC-HSS-871, snubber mark number 1721, was replaced by snubber mark number 1029 due to a visual failure. The associated NIS-2 form is included in Attachment III page 84.

System	Functional Test Group	Previous Failure	Seal Life	Engineering Request
Aux. Feedwater	1	0	1	0
Blowdown	1	0	2	0
Chemical & Volume Control	6	0	7	2
Condensate	0	0	1	0
Component Cooling	1	0	2	0
Feedwater	6	0	15	0
Main Steam	11	0	45	3
Quench Spray	1	0	2	0
Reactor Coolant	34	1	51	1
Residual Heat Removal	6	1	16	1
Recirc. Spray	3	0	2	0
Safety Injection	7	0	11	0
Service Water	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	77	2	154	7

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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 Forms (Attachment III, pages 85 and 86) represent those design changes or engineering work requests performed on Class 1 or 2 systems.

- A) DCP-89-46 rotated the root isolation valves (2-CH-195 and 2-CH-197) to the volume control tank (VCT) level transmitters, (LT-1112 and T-1115) 90 degrees (Class 2). Installed 2 inch couplings on lines 2"-CH-816-153A-Q3 and 2"-CH-817-153A-Q3 to rotate valves. Replaced fasteners and associated flanges. The rotation will allow condensate from the sensing lines to drain back to the VCT vapor space.
- B) DCP 89-49 added an independent ultrasonic level indication on the "B" reactor coolant hot leg (Class 1). The hot leg was machined to provide a flat spot for installing the transducer. The modification will provide an additional independent level indication to protect against loss of Residual Heat Removal due to air entrapment during RCS drain down conditions.

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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. 89-476 Attachment I, page 10 of 44, item J:

A commitment was made to revise drawing 11715-WMKS-0103CB by removing support CC-A-95, which had been deleted. The drawing was revised by DUR-90-105 on 3/5/90.

2. Letter Serial No. 89-476 Attachment I, page 11 of 44, item N:

A commitment was made to revise drawing 11715-WMKS-0105B by removing support WS-SH-18. After further review it was determined that the drawing was correct. The examiner did not have the latest revision of the drawing at the time of the examination.

3. Letter Serial No. 89-476 Attachment I, page 11 of 44, item S:

A commitment was made to revise drawing 11715-WMKS-0107C by removing support QS-SH-71A. The drawing was revised by DUR-90-104 on 3/21/90.

4. Letter Serial No. 89-476 Attachment I, page 11 of 44, item T:

A commitment was made to revise drawing 11715-WMKS-0107F by removing support QS-RH-65. The drawing was revised by DUR-90-106 on 3/21/90.

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5. Letter Serial No. 89-476 Attachment II, page 3 of 5:

A commitment was made to submit the Steam Generator annual report in accordance with Technical Specification 4.4.5.5.b. The report was submitted. A commitment was made to submit a relief request to substitute the Technical Specification reporting requirement for the ASME XI reporting requirements for steam generators. The relief request was submitted and denied. The results of the eddy current exams performed this past outage are listed in Attachment II. A commitment was made to involve the ANII in future steam generator eddy current exams. The ANII was involved in the eddy current involved in this past refueling outage.

6. Letter Serial No. 89-476 Attachment III, page 4 of 154:

A commitment was made to examine a steam generator manway bolt on the "B" steam generator. No preservice exam could be found on the replacement bolt. Subsequent to letter serial No. 89-476, a review of the manufacture's certification found documentation of a preservice exam. No exam was necessary.

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Hydrostatic Pressure Tests

The ASME Section XI required system pressure tests were performed in accordance with Section XI, 1983 Edition, Summer 1983 Addenda, on the following systems. The tests performed were partial system tests and are identified below.

TEST BLOCK

SYSTEM : BLOWDOWN

- 1-BD-201 "A" S/G BLOWDOWN, PEN. 39 System Inservice Test completed 1-28-91
- 1-BD-202 "B" S/G BLOWDOWN, PEN. 41 System Inservice Test completed 1-28-91
- 1-BD-203 "C" S/G BLOWDOWN, PEN. 40 System Inservice Test completed 1-28-91

SYSTEM : COMPRESSED AIR

- 1-CA-201 INSTRUMENT AIR SUPPLY HEADER PENETRATION, PEN. 47, System Inservice Test completed 1-22-91
- 1-CA-202 SERVICE AIR SUPPLY HEADER, PEN. 42, System Inservice Test completed 1-22-91
- 1-CA-203 RAD MONITOR PUMP SUPPLY HEADER PENETRATION, PEN. 44, Performed by Type C completed 2-4-91
- 1-CA-204 RAD MONITOR PUMP RETURN HEADER PENETRATION, PEN. 43, Performed by Type C completed 2-4-91
- 1-CA-205 U2 RC TO ANALYZERS, PEN. 98, Performed by Type C completed 2-5-91
- 1-CA-206 POST DBA RECOMBINER RETURN TO U2 RC, PEN.31, Performed by Type C completed 1-21-91

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- 1-CA-207 U2 RC TO ANALYZERS, PEN.105, Performed by Type C
completed 2-5-91
- 1-CA-208 POST DBA RECOMBINER RETURN TO U2 RC, PEN.109, Performed
by Type C completed 1-21-91
- 1-CA-209 U2 RC SUPPLY TO AIR SAMPLE PANEL, PEN. 98, Performed by
Type C completed 2-5-91

SYSTEM : COMPONENT COOLING

- 1-CC-201 CC SUPPLY/RETURN TO 1-RH-E-1A, System Inservice Test
completed 1-22-91
- 1-CC-202 CC SUPPLY/RETURN TO 1-RH-E-1B, System Inservice Test
completed 1-22-91
- 1-CC-203 CC SUPPLY/RETURN TO 1-RC-P-1A, System Inservice Test
completed 1-12-91
- 1-CC-204 CC SUPPLY/RETURN TO 1-RC-P-1B, System Inservice Test
completed 1-12-91
- 1-CC-205 CC SUPPLY/RETURN TO 1-RC-P-1C, System Inservice Test
completed 1-12-91
- 1-CC-206 CC SUPPLY/RETURN TO RECIRC AIR FANS, System Inservice
Test completed 3-11-91

SYSTEM : CHARGING SYSTEM

- 1-CH-201 EMERGENCY BORATE HEADER, 1-CH-MOV-1350 to 1-CH-238
completed 1-12-91
- 1-CH-202 LETDOWN TO PEN. 28, System Inservice Test completed
1-12-91

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- 1-CH-203 NORMAL CHARGING - PEN. 15 TO 1-CH-325 AND 1-CH-320,
System Inservice Test completed 1-12-91
- 1-CH-204 EXCESS LETDOWN, RCP SEAL LEAKOFF RETURN TO PEN. 19.,
System Inservice Test completed 2-3-91
- 1-CH-205 LOOP FILL - PEN. 46 TO HCV-1556A, B, C, System Inservice
Test completed 1-12-91
- 1-CH-206 RCP SEAL INJECTION, System Inservice Test completed
1-12-91

SYSTEM : STEAM GENERATOR CHEMICAL FEED

- 1-CF-201 STEAM GENERATOR CHEMICAL FEED, System Inservice Test
completed 3-7-91

SYSTEM : CONTAINMENT VACUUM

- 1-CV-201 "B" CONTAINMENT VACUUM PUMP SUCTION PENETRATION, PEN.
92, Performed by Type C completed 2-4-91
- 1-CV-202 "A" CONTAINMENT VACUUM PUMP SUCTION PENETRATION, PEN.
93, Performed by Type C completed 2-6-91
- 1-CV-203 CONTAINMENT VACUUM EJECTOR, PEN. 94, Performed by Type C
completed 2-6-91

SYSTEM : VENT AND DRAIN

- 1-DA-201 CONTAINMENT SUMP PUMP SUCTION PENETRATION, PEN. 38,
Performed by Type C completed 1-21-91
- 1-DA-202 PDTT TO GAS STRIPPER PEN. 33, System Inservice Test
completed 1-28-91
- 1-DA-203 PDTT VENT PEN. 48, Performed by Type C completed 3-2-91

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1-DA-204 1-DA-TK-1 VENT PEN. 54, Performed by Type C completed
3-2-91

1-DA-205 HRSS RETURN TO RC SUMP PEN. 111, Performed by Type C
completed 1-21-91

SYSTEM : FIRE PROTECTION

1-FP-202 FIRE PROTECTION SUPPLY, PEN. 34, System Inservice Test
completed 3-5-91

SYSTEM : FEEDWATER

1-FW-201 1-FW-P-2 TO 1-RC-E-1A, System Functional Test completed
1-12-91

1-FW-202 1-FW-P-3A TO 1-RC-E-1C, System Functional Test completed
1-12-91

1-FW-203 1-FW-P-3B TO 1-RC-E-1B, System Functional Test completed
1-12-91

SYSTEM : CONTAINMENT PURGE AND EXHAUST

1-HV-201 PURGE SUPPLY, PEN. 91, Performed by Type C completed
2-27-91

1-HV-202 PURGE EXHAUST, PEN. 90, Performed by Type C completed
2-23-91

SYSTEM : LEAKAGE MONITORING

1-LM-201 LEAKAGE MONITORING SYSTEM, Performed by Type C completed
2-5-91

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SYSTEM : REACTOR COOLANT

- 1-RC-201 REACTOR COOLANT SYSTEM, System Leakage Test completed
3-7-91
- 1-RC-202 PG SUPPLY TO PRT PEN. 45, System Inservice Test
completed 1-22-91

SYSTEM : RESIDUAL HEAT REMOVAL

- 1-RH-201 RESIDUAL HEAT REMOVAL SYSTEM, System Inservice Test
completed 1-27-91
- 1-RH-202 RHR-RWST PEN. 24, System Functional Test completed
1-29-91

SYSTEM : REFUELING PURIFICATION

- 1-RP-201 RP SUPPLY, PEN. 103, Performed by Type C completed
2-5-91
- 1-RP-202 RP RETURN, PEN. 104, Performed by Type C completed
2-23-91

SYSTEM : RECIRCULATION SPRAY

- 1-RS-201 1-RS-P-1A, System Functional Test completed 1-4-91
- 1-RS-202 1-RS-P-1B, System Functional Test completed 2-4-91
- 1-RS-203 RS SUPPLY TO 1-RS-E-1C, PEN. 70, System Functional Test
completed 1-27-91
- 1-RS-204 RS SUPPLY TO 1-RS-E-1D, PEN. 71, System Functional Test
completed 1-22-91

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1-RS-206 1-RS-P-3B DISCHARGE, System Functional Test completed
3-1-91

1-RS-207 RS SUMP TO OUTSIDE RS PUMP SUCTION, System Functional
Test completed 2-4-91

SYSTEM : SAFETY INJECTION

1-SI-201 1-SI-TK-1A, System Inservice Test completed 1-12-91

1-SI-202 1-SI-TK-1B, System Inservice Test completed 1-12-91

1-SI-203 1-SI-TK-1C, System Inservice Test completed 1-12-91

1-SI-204 CONTAINMENT NITROGEN VENT TO WASTE GAS CHARCOAL FILTERS,
PEN. 50, System Functional Test completed 1-28-91

1-SI-205 NITROGEN SUPPLY TO ACCUMULATORS, PORVs and PRT, PEN. 53,
System Inservice Test completed 1-12-91

1-SI-206 INSIDE RS SUMP TO LOW HEAD SI PUMPS - PEN. 68 & 69,
System Functional Test completed 2-4-91

1-SI-207 ACCUMULATOR MAKEUP LINE - PEN. 20, System Functional
Test completed 1-28-91

1-SI-208 LHSI TO COLD LEGS - PEN. 62, System Functional Test
completed 2-10-91

1-SI-209 1-SI-P-1A DISCHARGE AND RECIRC, System Functional Test
completed 2-10-91

1-SI-210 1-SI-P-1B DISCHARGE AND RECIRC, System Functional Test
completed 2-10-91

1-SI-211 HHSI TO COLD LEGS - PEN. 22, System Functional Test
completed 2-24-91

1-SI-212 HHSI TO COLD LEGS - PEN. 7, System Functional Test
completed 2-24-91

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- 1-SI-213 HHSI TO COLD LEGS - PEN. 113, System Functional Test completed 2-24-91
- 1-SI-214 HHSI TO HOT LEGS - PEN. 114, System Functional Test completed 2-24-91
- 1-SI-215 LHSI TO HOT LEGS - PEN. 60, System Functional Test completed 2-10-91
- 1-SI-216 LHSI TO HOT LEGS - PEN. 61, System Functional Test completed 2-10-91
- 1-SI-217 ACCUMULATOR TEST LINE - PEN. 106, System Functional Test completed 1-29-91

SYSTEM : SAMPLING SYSTEM

- 1-SS-201 STEAM GENERATOR SURFACE SAMPLE, System Inservice Test completed 1-12-91
- 1-SS-202 PRT GAS SPACE SAMPLE PEN. 57, System Functional Test completed 1-12-91

SYSTEM : SERVICE WATER

- 1-SW-201 RSHXs A SUPPLY/RETURN HEADERS, System Functional Test completed 2-26-91
- 1-SW-202 RSHXs B SUPPLY/RETURN HEADERS, System Functional Test completed 2-26-91

SYSTEM : VACUUM PRIMING

- 1-VP-201 PENETRATION 89, System Functional Test completed 1-22-91

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SYSTEM : WATER TREATMENT

- 1-WT-201 1-RC-E-1A WET LAY UP CHEMICAL FEED, PEN. 32, System
Inservice Test completed 1-22-91
- 1-WT-202 1-RC-E-1B WET LAY UP CHEMICAL FEED, PEN. 100, System
Inservice Test completed 1-27-91
- 1-WT-203 1-RC-E-1C WET LAY UP CHEMICAL FEED, PEN. 108, System
Inservice Test completed 2-9-91

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ABSTRACT OF INTERVAL 2 EXAMINATIONS

DRAWING NUMBER	MARK NUMBER	SECTION XI CATEGORY	SECTION XI ITEM NO	METHOD	DATE COMPLETED
11715-WMKS-0101A-2	R-316	F-B	F2.0	VT-3	01/17/91
11715-WMKS-0101B	1M	C-C	C3.20	MT**A	02/05/91
11715-WMKS-0101B	PEN-73	F-A	F1.0	VT-3**B	02/16/91
11715-WMKS-0101GA	SH-118	F-C	F3.0	VT-3	01/17/91
11715-WMKS-0102A	R-33	F-B	F2.0	VT-3**C	01/21/91
11715-WMKS-0102B	R-38A	F-A	F1.0	VT-3	01/28/91
11715-WMKS-0102C	R-41A	F-A	F1.0	VT-3	01/26/91
11715-WMKS-0102FA	36H	D-A	D1. IWA	VT-3	01/17/91
11715-WMKS-0102FA	A-17	F-A	F1.0	VT-3	01/17/91
11715-WMKS-0102FC	66H	D-A	D1. IWA	VT-3	01/17/91
11715-WMKS-0102FG	30H	D-A	D1. IWA	VT-3	01/17/91
11715-WMKS-0102FH	R-3	F-B	F2.0	VT-3	02/12/91
11715-WMKS-0103AC	R-208	F-B	F2.0	VT-3	01/20/91
11715-WMKS-0103AJ	42	B-J	B9.40	PT	01/28/91
11715-WMKS-0103AJ	43A	B-J	B9.40	PT	01/28/91
11715-WMKS-0103AJ	A-29D	F-A	F1.0	VT-3	01/11/91
11715-WMKS-0103AJ	SI-209	B-G-2	B7.70	VT-1	01/28/91
	12S & 12N				
11715-WMKS-0103AJ	SI-99	B-G-2	B7.70	VT-1	01/28/91
	12S & 12N				
11715-WMKS-0103AJ	SW-13	C-F	C5.21	PT	01/29/91
11715-WMKS-0103AJ	SW-13	C-F-1	C5.21	UT-0.45	01/29/91
11715-WMKS-0103AJ	SW-15	C-F	C5.21	PT	01/28/91
11715-WMKS-0103AJ	SW-15	C-F-1	C5.21	UT-0.45	01/28/91
11715-WMKS-0103AL	R-22	F-B	F2.0	VT-3*	02/05/91
11715-WMKS-0103AN	S-19D	F-B	F2.0	VT-3**E	01/23/91
11715-WMKS-0103AN	S-24D	F-B	F2.0	VT-3**F	01/23/91
11715-WMKS-0103AR	FE-1480	B-G-2	B7.50	VT-1**G	01/25/91
	8S & 16N				
11715-WMKS-0103AR	SW-1	B-J	B9.40	PT	01/25/91
11715-WMKS-0103AR	SW-11	B-J	B9.40	PT	01/25/91
11715-WMKS-0103AR	SW-16	B-J	B9.40	PT	01/25/91
11715-WMKS-0103AR	SW-17	B-J	B9.40	PT	01/25/91
11715-WMKS-0103AT	18	B-J	B9.40	PT	01/25/91
11715-WMKS-0103AT	FLANGE A	B-G-2	B7.50	VT-1	02/13/91
	4S & 8N				
11715-WMKS-0103AT	R-7	F-A	F1.0	VT-3	01/24/91

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DRAWING NUMBER	MARK NUMBER	SECTION XI CATEGORY	SECTION XI XI ITEM NO	METHOD	DATE COMPLETED
11715-WMKS-0103AT	R-9	F-B	F2.0	VT-3**H	01/25/91
11715-WMKS-0103AT	SW-15	B-J	B9.40	PT	01/25/91
11715-WMKS-0103AT	SW-87	B-J	B9.40	PT	02/01/91
11715-WMKS-0103AT	SW-88	B-J	B9.40	PT	02/01/91
11715-WMKS-0103AT	SW-90	B-J	B9.40	PT	01/25/91
11715-WMKS-0103AT	SW-92	B-J	B9.40	PT	01/25/91
11715-WMKS-0103AT	SW-93	B-J	B9.40	PT	02/07/91
11715-WMKS-0103AU	R-18	F-A	F1.0	VT-3	01/27/91
11715-WMKS-0103AU	SH-21	F-C	F3.0	VT-3	01/27/91
11715-WMKS-0103AV	R-19	F-B	F2.0	VT-3**I	01/22/91
11715-WMKS-0103B	19H	D-A	D1.1WA	VT-3**J	01/18/91
11715-WMKS-0103B	R-32C	F-B	F2.0	VT-3**K	01/21/91
11715-WMKS-0103BA	R-4	F-B	F2.0	VT-3	01/28/91
11715-WMKS-0103BB-1	26	B-J	B9.21	PT	01/29/91
11715-WMKS-0103BB-1	27	B-J	B9.21	PT	01/29/91
11715-WMKS-0103BB-1	38	B-J	B9.21	PT	01/25/91
11715-WMKS-0103BB-1	SH-43	F-C	F3.0	VT-3	01/23/91
11715-WMKS-0103BC	30	B-J	B9.40	PT	01/25/91
11715-WMKS-0103BC	32A	B-J	B9.40	PT	01/25/91
11715-WMKS-0103BC	33A	B-J	B9.40	PT	01/25/91
11715-WMKS-0103BC	34A	B-J	B9.40	PT	01/25/91
11715-WMKS-0103BC	35A	B-J	B9.40	PT	01/25/91
11715-WMKS-0103BC	R-41A	F-B	F2.0	VT-3**L	02/05/91
11715-WMKS-0103BC	SW-2	B-J	B9.40	PT*	01/25/91
11715-WMKS-0103BC	SW-36	B-J	B9.40	PT	01/25/91
11715-WMKS-0103BC	SW-37	B-J	B9.40	PT	01/25/91
11715-WMKS-0103BC	SW-38	B-J	B9.40	PT	01/25/91
11715-WMKS-0103BD	R-6	F-A	F1.0	VT-3	01/27/91
11715-WMKS-0103BD	R-8	F-A	F1.0	VT-3	01/27/91
11715-WMKS-0103BE	R-1	F-A	F1.0	VT-3**M	02/04/91
11715-WMKS-0103BE	R-2	F-A	F1.0	VT-3	01/22/91
11715-WMKS-0103BE	R-6	F-A	F1.0	VT-3	02/08/91
11715-WMKS-0103BF	R-40	F-A	F1.0	VT-3	01/18/91
11715-WMKS-0103BH	A-12	F-A	F1.0	VT-3	02/04/91
11715-WMKS-0103BH	A-2	F-A	F1.0	VT-3	02/08/91
11715-WMKS-0103BH	A-41	F-A	F1.0	VT-3	02/08/91
11715-WMKS-0103BH	A-8	F-A	F1.0	VT-3	02/08/91
11715-WMKS-0103BH	R-20	F-B	F2.0	VT-3	02/04/91
11715-WMKS-0103BH	R-33	F-B	F2.0	VT-3	02/04/91
11715-WMKS-0103BH	R-6	F-B	F2.0	VT-3	02/04/91

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11715-WMKS-0103BK-2	26	B-J	B9.21	PT	01/26/91
11715-WMKS-0103BK-2	R-3	F-B	F2.0	VT-3	02/10/91
11715-WMKS-0103BK-2	R-9	F-B	F2.0	VT-3**N	01/24/91
11715-WMKS-0103BK-2	SW-15	B-J	B9.21	PT	01/26/91
11715-WMKS-0103BK-2	SW-16	B-J	B9.21	PT	01/26/91
11715-WMKS-0103BK-3	R-4	F-B	F2.0	VT-3	01/24/91
11715-WMKS-0103BM	R-2	F-B	F2.0	VT-3**O	01/27/91
11715-WMKS-0103BM	R-8	F-B	F2.0	VT-3	01/27/91
11715-WMKS-0103BQ	R-9	F-B	F2.0	VT-3	02/10/91
11715-WMKS-0103C	21H	D-A	D1.1WA	VT-3	01/18/91
11715-WMKS-0103CD	1	B-J	B9.40	PT	01/26/91
11715-WMKS-0103CD	19	B-J	B9.21	PT	01/21/91
11715-WMKS-0103CD	R-1	F-B	F2.0	VT-3	01/24/91
11715-WMKS-0103CD	SW-47	B-J	B9.21	PT	01/26/91
11715-WMKS-0103E	53H	D-A	D1.1WA	VT-3	01/18/91
11715-WMKS-0103J	22H	D-A	D1.1WA	VT-3	01/18/91
11715-WMKS-0103J	R-152	F-A	F1.0	VT-3	01/18/91
11715-WMKS-0103L	47H	B-K-1	B10.10	PT	01/23/91
11715-WMKS-0103L	A-5	F-A	F1.0	VT-3	01/23/91
11715-WMKS-0103L	SW-59	B-J	B9.11	PT	02/06/91
11715-WMKS-0103L	SW-59	B-J	B9.11	UT-0.45	02/06/91
11715-WMKS-0103N	15	B-J	B9.11	PT	01/25/91
11715-WMKS-0103N	15	B-J	B9.11	UT-45	01/25/91
11715-WMKS-0103N	49	B-J	B9.11	PT	01/25/91
11715-WMKS-0103N	49	B-J	B9.11	UT-45	01/25/91
11715-WMKS-0103N	59	B-J	B9.40	PT	01/25/91
11715-WMKS-0103N	71	B-J	B9.40	PT	01/25/91
11715-WMKS-0103N	SW-6	B-J	B9.11	PT	01/25/91
11715-WMKS-0103N	SW-6	B-J	B9.11	UT-45	01/25/91
11715-WMKS-0103N	SW-7	B-J	B9.11	PT	01/25/91
11715-WMKS-0103N	SW-7	B-J	B9.11	UT-45	01/25/91
11715-WMKS-0103N	SW-8	B-J	B9.11	PT	01/25/91
11715-WMKS-0103N	SW-8	B-J	B9.11	UT-45	01/25/91
11715-WMKS-0103N	SW-9	B-J	B9.11	PT	01/25/91
11715-WMKS-0103N	SW-9	B-J	B9.11	UT-45	01/25/91
11715-WMKS-0103T	RH-188	F-C	F3.0	VT-3	01/19/91
11715-WMKS-0103U	A-3	F-A	F1.0	VT-3	01/28/91
11715-WMKS-0103U	RH-176	F-B	F2.0	VT-3	01/18/91
11715-WMKS-0103Y	R-2	F-A	F1.0	VT-3	01/27/91
11715-WMKS-0104A-1	SW-17	C-F	C5.21	PT	01/16/91

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11715-WMKS-0104A-1	SW-17	C-F-1	C5.21	UT-0,45	01/31/91
11715-WMKS-0104A-2	61	C-F	C5.21	PT	01/16/91
11715-WMKS-0104A-2	61	C-F-1	C5.21	UT-0,45	01/31/91
11715-WMKS-0104A-2	70H	C-C	C3.20	PT	01/18/91
11715-WMKS-0104C	16	C-F-1	C5.11	PT	01/21/91
11715-WMKS-0104C	6	C-F-1	C5.11	PT	01/21/91
11715-WMKS-0104C	SW-36	C-F-1	C5.11	PT	01/21/91
11715-WMKS-0104E-1	11A	C-F-1	C5.11	PT	01/21/91
11715-WMKS-0104E-2	A-612	F-A	F1.0	VT-3	01/16/91
11715-WMKS-0105A	36H	D-A	D1.IWA	VT-3	01/15/91
11715-WMKS-0105A	44H	D-A	D1.IWA	VT-3	01/15/91
11715-WMKS-0105AMA	7H	D-A	D1.IWA	VT-3	02/06/91
11715-WMKS-0105AMA	8H	D-A	D1.IWA	VT-3	02/06/91
11715-WMKS-0105AMA	9H	D-A	D1.IWA	VT-3	02/06/91
11715-WMKS-0105AMA	10H	D-A	D1.IWA	VT-3	02/06/91
11715-WMKS-0105AMA	54H	D-A	D1.IWA	VT-3	02/06/91
11715-WMKS-0105B	13H	D-A	D1.IWA	VT-3	01/15/91
11715-WMKS-0105B	21H	D-A	D1.IWA	VT-3	01/15/91
11715-WMKS-0105H-1	46H	D-A	D1.IWA	VT-3	01/15/91
11715-WMKS-0105H-1	R-83	F-B	F2.0	VT-3(PSI)**P	02/20/91
11715-WMKS-0105H-2	54H	D-A	D1.IWA	VT-3	01/15/91
11715-WMKS-0105H-2	57H	D-A	D1.IWA	VT-3	01/15/91
11715-WMKS-0105H-2	A-86	F-A	F1.0	VT-3(PSI)	02/21/91
11715-WMKS-0105H-2	R-85	F-B	F2.0	VT-3(PSI)**Q	02/21/91
11715-WMKS-0105J-1	27H	D-A	D1.IWA	VT-3	01/17/91
11715-WMKS-0105J-1	36H	D-A	D1.IWA	VT-3	01/17/91
11715-WMKS-0105J-1	A-101	F-A	F1.0	VT-3(PSI)	02/20/91
11715-WMKS-0105J-1	A-103	F-A	F1.0	VT-3(PSI)	02/19/91
11715-WMKS-0105J-1	R-99	F-B	F2.0	VT-3(PSI)	02/20/91
11715-WMKS-0105J-1	R-172	F-B	F2.0	VT-3(PSI)**R	02/20/91
11715-WMKS-0105J-1	SH-303	F-C	F3.0	VT-3**S	02/09/91
11715-WMKS-0105J-2	34H	D-A	D1.IWA	VT-3**T	01/15/91
11715-WMKS-0105J-2	46H	D-A	D1.IWA	VT-3	01/15/91
11715-WMKS-0105J-2	A-96	F-A	F1.0	VT-3(PSI)**U	02/21/91
11715-WMKS-0105J-2	A-102	F-A	F1.0	VT-3(PSI)**V	02/21/91
11715-WMKS-0105R	R-327	F-B	F2.0	VT-3**W	01/16/91
11715-WMKS-0105R	R-332	F-B	F2.0	VT-3**X	01/16/91
11715-WMKS-0107C	SW-86	C-F-1	C5.11	PT	01/16/91
11715-WMKS-0107D	A-P1A	F-A	F1.0	VT-3	01/16/91
11715-WMKS-0107D	RH-70	F-B	F2.0	VT-3	01/16/91

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11715-WMKS-0107D	SW-66	C-F-1	C5.11	PT	01/16/91
11715-WMKS-0107GA	3H	D-A	D1.1WA	VT-3	01/15/91
11715-WMKS-0107GA	R-176	F-B	F2.0	VT-3**Y	01/15/91
11715-WMKS-0107GB	R-53	F-A	F1.0	VT-3**Z	02/11/91
11715-WMKS-0107GE-1	21	D-A	D1.1WA	VT-3	01/16/91
11715-WMKS-0107GE-1	75H	D-A	D1.1WA	VT-3	01/16/91
11715-WMKS-0107GF-1	19	D-A	D1.1WA	VT-3	01/15/91
11715-WMKS-0107GF-1	69H	D-A	D1.1WA	VT-3	01/16/91
11715-WMKS-0107GF-1	70H	D-A	D1.1WA	VT-3	01/16/91
11715-WMKS-0107GF-1	SFP-99	F-A	F1.0	VT-3	01/15/91
11715-WMKS-0107GG-1	37	D-A	D1.1WA	VT-3	01/16/91
11715-WMKS-0107GG-1	64H	D-A	D1.1WA	VT-3	01/15/91
11715-WMKS-0107GG-1	65H	D-A	D1.1WA	VT-3	01/15/91
11715-WMKS-0107GG-1	66H	D-A	D1.1WA	VT-3	01/15/91
11715-WMKS-0107GG-1	67H	D-A	D1.1WA	VT-3	01/15/91
11715-WMKS-0107GG-1	68H	D-A	D1.1WA	VT-3	01/15/91
11715-WMKS-0107GG-2	66H	D-A	D1.1WA	VT-3	01/17/91
11715-WMKS-0107H	R-806	F-B	F2.0	VT-3**AA	02/09/91
11715-WMKS-0107L	A-P-3A	F-A	F1.0	VT-3	01/16/91
11715-WMKS-0107M	82H	C-C	C3.20	PT	01/16/91
11715-WMKS-0109A	1	B-J	B9.11	PT	01/26/91
11715-WMKS-0109A	1	B-J	B9.11	UT-45	02/02/91
11715-WMKS-0109D	45H	B-K-1	B10.10	PT	02/14/91
11715-WMKS-0109D	SW-51	B-F	B5.40	PT	02/02/91
11715-WMKS-0109D	SW-51	B-F	B5.40	UT-0,45	02/02/91
11715-WMKS-0109E-1	4	B-F	B5.70	PT	02/11/91
11715-WMKS-0109E-1	4	B-F	B5.70	UT-45*	02/11/91
11715-WMKS-0109E-1	5	B-F	B5.70	PT	02/11/91
11715-WMKS-0109E-1	5	B-F	B5.70	UT-45*	02/11/91
11715-WMKS-0109E-1	SW-17	B-J	B9.11	PT	01/31/91
11715-WMKS-0109E-1	SW-17	B-J	B9.11	UT-45	01/31/91
11715-WMKS-0110A	2H	B-K-1	B10.10	PT	02/05/91
11715-WMKS-0110A	45A	B-J	B9.21	PT	01/30/91
11715-WMKS-0110A	A-44	F-A	F1.0	VT-3	02/10/91
11715-WMKS-0110A	A-47	F-A	F1.0	VT-3	01/25/91
11715-WMKS-0110A	A-51	F-A	F1.0	VT-3	01/25/91
11715-WMKS-0110A	SV-1551B	B-G-2	B7.70	VT-1	02/27/91
	12S & 12N				
11715-WMKS-0110A	SV-1551C	B-G-2	B7.70	VT-1	02/27/91
	12S & 12N				

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DRAWING NUMBER	MARK NUMBER	SECTION XI CATEGORY	SECTION XI ITEM NO	METHOD	DATE COMPLETED
11715-WMKS-0110A	SV-1551C-BODY	B-M-2	B12.50	VT-3	02/06/91
11715-WMKS-0110B-1	11	B-J	B9.11	PT	02/01/91
11715-WMKS-0110B-1	11	B-J	B9.11	UT-45	02/01/91
11715-WMKS-0110B-1	57H	B-K-1	B10.10	PT	02/15/91
11715-WMKS-0110B-1	58H	B-K-1	B10.10	PT	02/15/91
11715-WMKS-0110B-1	A-25	F-A	F1.0	VT-3	01/25/91
11715-WMKS-0110B-1	R-16	F-A	F1.0	VT-3	01/30/91
11715-WMKS-0110B-1	R-20	F-A	F1.0	VT-3	01/26/91
11715-WMKS-0110B-1	R-22	F-B	F2.0	VT-3	01/25/91
11715-WMKS-0110B-1	R-30	F-B	F2.0	VT-3**AB	01/23/91
11715-WMKS-0110B-1	SH-3	F-C	F3.0	VT-3**AC	02/08/91
11715-WMKS-0110B-1	SH-17	F-C	F3.0	VT-3**AD	01/30/91
11715-WMKS-0110B-1	SH-18	F-C	F3.0	VT-3**AE	01/30/91
11715-WMKS-0110B-1	SW-66	B-J	B9.11	PT	01/30/91
11715-WMKS-0110B-1	SW-66	B-J	B9.11	UT-45	01/30/91
11715-WMKS-0110B-1	SW-67	B-J	B9.11	PT	01/30/91
11715-WMKS-0110B-1	SW-67	B-J	B9.11	UT-45	01/30/91
11715-WMKS-0110B-1	SW-71	B-F	B5.40	PT	02/01/91
11715-WMKS-0110B-1	SW-71	B-F	B5.40	UT-45,60	02/01/91
11715-WMKS-0110B-2	37	B-J	B9.11	PT	02/09/91
11715-WMKS-0110B-2	37	B-J	B9.11	UT-0,45	02/11/91
11715-WMKS-0110B-2	R-11	F-B	F2.0	VT-3	01/25/91
11715-WMKS-0110B-2	R-13	F-A	F1.0	VT-3	01/26/91
11715-WMKS-0110B-2	R-2	F-B	F2.0	VT-3	01/26/91
11715-WMKS-0110B-2	R-5	F-B	F2.0	VT-3	01/26/91
11715-WMKS-0110B-2	R-52	F-B	F2.0	VT-3**AF	02/01/91
11715-WMKS-0110B-2	R-9	F-B	F2.0	VT-3	01/25/91
11715-WMKS-0110B-2	SW-8	B-J	B9.11	PT	02/01/91
11715-WMKS-0110B-2	SW-8	B-J	B9.11	UT-45	02/01/91
11715-WMKS-0111AB	SH-29	F-C	F3.0	VT-3**AG	01/15/91
11715-WMKS-0111B	R-36	F-A	F1.0	VT-3**AH	01/15/91
11715-WMKS-0111BA	R-2	F-A	F1.0	VT-3**AI	02/23/91
11715-WMKS-0111BA	R-3	F-A	F1.0	VT-3**AJ	01/29/91
11715-WMKS-0111BA	R-6	F-B	F2.0	VT-3**AK	01/29/91
11715-WMKS-0111BA	R-8	F-B	F2.0	VT-3**AL	01/29/91
11715-WMKS-0111BA	SH-9	F-C	F3.0	VT-3**AM	02/14/91
11715-WMKS-0111C	RH-11	F-B	F2.0	VT-3	01/14/91
11715-WMKS-0111C	R-9	F-B	F2.0	VT-3**AN	01/14/91
11715-WMKS-0113A-1	72H	C-C	C3.20	PT*	01/21/91

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DRAWING NUMBER	MARK NUMBER	SECTION XI CATEGORY	SECTION XI ITEM NO	METHOD	DATE COMPLETED
11715-WMKS-0113A-1	MOV-1701 16S & 16N	B-G-2	B7.70	VT-1	01/24/91
11715-WMKS-0113A-1	R-16	F-B	F2.0	VT-3**AO	01/21/91
11715-WMKS-0113A-2	R-15A	F-C	F3.0	VT-3**AP	01/28/91
11715-WMKS-0113A-4	20	B-J	B9.11	PT	01/26/91
11715-WMKS-0113A-4	20	B-J	B9.11	UT-45	01/26/91
11715-WMKS-0113A-4	5	B-J	B9.11	PT	01/26/91
11715-WMKS-0113A-4	5	B-J	B9.11	UT-45	01/26/91
11715-WMKS-0113A-4	R-15	F-B	F2.0	VT-3**AQ	01/21/91
11715-WMKS-0113A-4	SI-125 16S & 16N	B-G-2	B7.70	VT-1	01/24/91
11715-WMKS-0113B	R-5	F-A	F1.0	VT-3**AR	01/18/91
11715-WMKS-0113C-3	RH-9	F-B	F2.0	VT-3	01/21/91
11715-WMKS-0117C	A-P1A	F-A	F1.0	VT-3	
11715-WMKS-0117C	R-30	F-B	F2.0	VT-3	
11715-WMKS-0118A	R-36	F-A	F1.0	VT-3**AS	01/15/91
11715-WMKS-0118B	32J	D-A	D1. IWA	VT-3	01/15/91
11715-WMKS-0118B	37H	D-A	D1. IWA	VT-3	01/15/91
11715-WMKS-0118C	81H	D-A	D1. IWA	VT-3	01/14/91
11715-WMKS-0118F	65H	D-A	D1. IWA	VT-3	01/15/91
11715-WMKS-0118J	2H	D-A	D1. IWA	VT-3	02/05/91
11715-WMKS-0118N-3	14H	D-A	D1. IWA	VT-3	01/15/91
11715-WMKS-0118Q	79H	D-A	D1. IWA	VT-3	01/14/91
11715-WMKS-0118Q	80H	D-A	D1. IWA	VT-3	01/14/91
11715-WMKS-0118Q	81J	D-A	D1. IWA	VT-3	01/15/91
11715-WMKS-0118R	A-124	F-A	F1.0	VT-3	01/15/91
11715-WMKS-0118W-1	37H	D-A	D1. IWA	VT-3	01/14/91
11715-WMKS-0118XR	30H	D-A	D1. IWA	VT-3	02/03/91
11715-WMKS-0118XR	A-378	F-A	F1.0	VT-3**AT	12/20/90
11715-WMKS-0118XT	A-363	F-A	F1.0	VT-3**AT	12/20/90
11715-WMKS-0118XT	R-376	F-A	F1.0	VT-3	01/14/91
11715-WMKS-0118ZA	SH-380	F-C	F3.0	VT-3**AU	01/15/91
11715-WMKS-0121A	R-79	F-B	F2.0	VT-3	01/15/91
11715-WMKS-0121K	RH-155	F-B	F2.0	VT-3	01/15/91
11715-WMKS-0121K	R-16	F-A	F1.0	VT-3	01/15/91
11715-WMKS-CH-E-2	1	C-A	C1.20	UT-45	01/21/91
11715-WMKS-CH-E-2	SUPT-LOWER-A	F-A	F1.0	VT-3	01/20/91
11715-WMKS-CH-E-2	SUPT-LOWER-B	F-A	F1.0	VT-3	01/20/91
11715-WMKS-CH-E-4	SUPT-FRONT	F-A	F1.0	VT-3	02/02/91
11715-WMKS-CH-E-4	SUPT-REAR	F-A	F1.0	VT-3	02/02/91

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DRAWING NUMBER	MARK NUMBER	SECTION XI CATEGORY	SECTION XI XI ITEM NO	METHOD	DATE COMPLETED
11715-WMKS-CH-E-4	WS-1	D-A	D1. IWA	VT-3	02/10/91
11715-WMKS-CH-E-4	WS-2	D-A	D1. IWA	VT-3	02/10/91
11715-WMKS-CH-P-1A	SUPT-BASE	F-A	F1.0	VT-3	01/14/91
11715-WMKS-CH-P-1A	WS-01	C-C	C3.30	PT	01/19/91
11715-WMKS-CH-P-1A	WS-02	C-C	C3.30	PT	01/19/91
11715-WMKS-CH-P-1A	WS-03	C-C	C3.30	PT	01/19/91
11715-WMKS-CH-P-1A	WS-04	C-C	C3.30	PT	01/19/91
11715-WMKS-RC-E-1A.1	8 10"-194"	C-A	C1.20	UT-0,45,60*	02/22/91
11715-WMKS-RC-E-1A.1	CL-MANWAY	B-G-2	B7.30	VT-1	01/30/91
11715-WMKS-RC-E-1A.1	HL-MANWAY	B-G-2	B7.30	VT-1	01/30/91
11715-WMKS-RC-E-1A.2	11NIR	B-D	B3.140	VT-1	02/22/91
11715-WMKS-RC-E-1A.2	12NIR	B-D	B3.140	VT-1	02/22/91
11715-WMKS-RC-E-1B.1	FRAME	F-A	F1.0	VT-3**AV	02/23/91
11715-WMKS-RC-E-2	MANWAY	B-G-2	B7.20	VT-1	01/25/91
	16 BOLTS				
11715-WMKS-RC-E-2	WS-1	B-H	B8.20	PT	02/08/91
11715-WMKS-RC-MOV1590	NUT-1-24	B-G-1	B6.230	VT-1	02/09/91
11715-WMKS-RC-MOV1590	STUD-1-24	B-G-1	B6.210	UT-0	02/09/91
11715-WMKS-RC-MOV1591	NUT-1-24	B-G-1	B6.230	VT-1	02/09/91
11715-WMKS-RC-MOV1591	STUD-1-24	B-G-1	B6.210	UT-0	02/09/91
11715-WMKS-RC-P-1A.2	B01	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B02	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B03	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B04	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B05	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B06	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B07	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B08	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B09	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B10	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B11	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B12	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B13	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B14	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B15	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B16	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B17	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B18	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B19	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B20	B-G-1	B6.180	UT-0	01/22/91

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11715-WMKS-RC-P-1A.2	B21	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B22	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B23	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	B24	B-G-1	B6.180	UT-0	01/22/91
11715-WMKS-RC-P-1A.2	LSHB	B-G-2	B7.60	VT-1	01/22/91
	1-12 BOLTS				
11715-WMKS-RC-R-1.1	RC-R-1	B-N-1	B13.10	VT-3	02/02/91
11715-WMKS-RC-R-1.2	MC-01	B-G-2	B7.80	VT-1	02/08/91
11715-WMKS-RC-R-1.3	S-01	B-G-1	B6.30	MT	01/31/91
11715-WMKS-RC-R-1.3	S-01	B-G-1	B6.30	UT-0	02/01/91
11715-WMKS-RC-R-1.3	S-02	B-G-1	B6.30	MT	01/31/91
11715-WMKS-RC-R-1.3	S-02	B-G-1	B6.30	UT-0	02/01/91
11715-WMKS-RC-R-1.3	S-03	B-G-1	B6.30	MT	01/31/91
11715-WMKS-RC-R-1.3	S-03	B-G-1	B6.30	UT-0	02/01/91
11715-WMKS-RC-R-1.3	S-04	B-G-1	B6.30	MT	01/31/91
11715-WMKS-RC-R-1.3	S-04	B-G-1	B6.30	UT-0	02/01/91
11715-WMKS-RC-R-1.3	S-05	B-G-1	B6.30	MT	02/01/91
11715-WMKS-RC-R-1.3	S-05	B-G-1	B6.30	UT-0	02/01/91
11715-WMKS-RC-R-1.3	S-06	B-G-1	B6.30	MT	02/01/91
11715-WMKS-RC-R-1.3	S-06	B-G-1	B6.30	UT-0	02/01/91
11715-WMKS-RC-R-1.3	S-07	B-G-1	B6.30	MT	02/01/91
11715-WMKS-RC-R-1.3	S-07	B-G-1	B6.30	UT-0	02/01/91
11715-WMKS-RC-R-1.3	S-08	B-G-1	B6.30	MT	02/01/91
11715-WMKS-RC-R-1.3	S-08	B-G-1	B6.30	UT-0	02/01/91
11715-WMKS-RC-R-1.3	S-09	B-G-1	B6.30	MT	01/29/91
11715-WMKS-RC-R-1.3	S-09	B-G-1	B6.30	UT-0	02/01/91
11715-WMKS-RC-R-1.3	S-10	B-G-1	B6.30	MT	01/29/91
11715-WMKS-RC-R-1.3	S-10	B-G-1	B6.30	UT-0	01/31/91
11715-WMKS-RC-R-1.3	S-11	B-G-1	B6.30	MT	01/28/91
11715-WMKS-RC-R-1.3	S-11	B-G-1	B6.30	UT-0	01/31/91
11715-WMKS-RC-R-1.3	S-12	B-G-1	B6.30	MT	01/28/91
11715-WMKS-RC-R-1.3	S-12	B-G-1	B6.30	UT-0	01/31/91
11715-WMKS-RC-R-1.3	S-13	B-G-1	B6.30	MT	01/28/91
11715-WMKS-RC-R-1.3	S-13	B-G-1	B6.30	UT-0	01/31/91
11715-WMKS-RC-R-1.3	S-14	B-G-1	B6.30	MT	01/29/91
11715-WMKS-RC-R-1.3	S-14	B-G-1	B6.30	UT-0	01/31/91
11715-WMKS-RC-R-1.3	S-15	B-G-1	B6.30	MT	01/29/91
11715-WMKS-RC-R-1.3	S-15	B-G-1	B6.30	UT-0	01/31/91
11715-WMKS-RC-R-1.3	S-16	B-G-1	B6.30	MT	01/29/91
11715-WMKS-RC-R-1.3	S-16	B-G-1	B6.30	UT-0	01/31/91

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11715-WMKS-RC-R-1.3	S-17	B-G-1	B6.30	MT	01/29/91
11715-WMKS-RC-R-1.3	S-17	B-G-1	B6.30	UT-0	01/31/91
11715-WMKS-RC-R-1.3	S-18	B-G-1	B6.30	MT	01/29/91
11715-WMKS-RC-R-1.3	S-18	B-G-1	B6.30	UT-0	01/31/91
11715-WMKS-RC-R-1.3	S-19	B-G-1	B6.30	MT	01/29/91
11715-WMKS-RC-R-1.3	S-19	B-G-1	B6.30	UT-0	01/31/91
11715-WMKS-RC-R-1.4	CCW-01	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-02	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-03	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-04	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-05	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-06	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-07	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-08	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-09	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-10	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-11	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-12	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-13	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-14	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-15	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-16	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-17	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-18	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CCW-19	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-01	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-02	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-03	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-04	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-05	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-06	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-07	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-08	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-09	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-10	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-11	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-12	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-13	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-14	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-15	B-G-1	B6.50	VT-1	01/31/91

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DRAWING NUMBER	MARK NUMBER	SECTION XI CATEGORY	SECTION XI XI ITEM NO	METHOD	DATE COMPLETED
11715-WMKS-RC-R-1.4	CVW-16	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-17	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-18	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	CVW-19	B-G-1	B6.50	VT-1	01/31/91
11715-WMKS-RC-R-1.4	N-01	B-G-1	B6.10	MT	01/31/91
11715-WMKS-RC-R-1.4	N-02	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-03	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-04	B-G-1	B6.10	MT	01/31/91
11715-WMKS-RC-R-1.4	N-05	B-G-1	B6.10	MT	01/31/91
11715-WMKS-RC-R-1.4	N-06	B-G-1	B6.10	MT	01/31/91
11715-WMKS-RC-R-1.4	N-07	B-G-1	B6.10	MT	01/31/91
11715-WMKS-RC-R-1.4	N-08	B-G-1	B6.10	MT	01/31/91
11715-WMKS-RC-R-1.4	N-09	B-G-1	B6.10	MT	01/31/91
11715-WMKS-RC-R-1.4	N-10	B-G-1	B6.10	MT	01/31/91
11715-WMKS-RC-R-1.4	N-11	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-12	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-13	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-14	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-15	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-16	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-17	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-18	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RC-R-1.4	N-19	B-G-1	B6.10	MT	01/30/91
11715-WMKS-RH-E-1A	SUPT-INLET	F-A	F1.0	VT-3**AW	01/21/91
11715-WMKS-RH-E-1A	SUPT-OUTLET	F-A	F1.0	VT-3**AX	01/21/91
11715-WMKS-RS-P-2B	LS-10	C-G	C6.10	PT	01/17/91
11715-WMKS-RS-P-2B	SW-4	C-G	C6.10	PT	01/17/91

* - partial examination

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

(PSI) - Preservice Inspection

ATTACHMENT II

INSERVICE INSPECTION REPORT

of the

North Anna Power Station

Unit 1

P.O. Box 402

Mineral, Virginia 23117

for

Virginia Electric and Power Company

5000 Dominion Boulevard

Glen Allen, Virginia 23060

Commercial Service Date: June 6, 1978

Operating Capacity: 944 MWe (net)

Refueling Outage: 1st Period, 2nd Interval

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-

In Steam Generator "A", 3029 tubes were examined full length (tube end to tube end). This represents approximately 97% of the available tubes. In row 2 of this steam generator, 85 tubes were examined from the seventh tube support plate to the tube end on both the inlet and outlet sides.

In Steam Generator "B", 3057 tubes were examined full length (tube end to tube end). This represents approximately 98% of the available tubes. In row 2 of this steam generator, 58 tubes were examined from the seventh tube support plate to the tube end on both the inlet and outlet sides.

In Steam Generator "C", 2926 tubes were examined full length (tube end to tube end). This represents approximately 98% of the available tubes. In row 2 of this steam generator, 69 tubes were examined from the seventh tube support plate to the tube end on both the inlet and outlet sides.

Supplemental Examinations were also performed using Rotating Pancake, 8x1, and Profilometry probes where additional confirmatory or other data was desired.

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STEAM GENERATOR "A"

ROW	COL	IND	LOC	REMARKS
4	4	97	2H	PLUGGED
4	4	MAI	2H	PLUGGED
2	5	DI	1H	PLUGGED
2	5	98	2H	PLUGGED
2	5	SAI	1H	PLUGGED
2	5	SAI	2H	PLUGGED
10	5	*	*	PLUGGED
11	5	*	*	PLUGGED
10	6	98	2H	PLUGGED
10	6	SAI	2H	PLUGGED
13	6	PI	1H	PLUGGED
13	6	MAI	1H	PLUGGED
4	9	DI	2H	PLUGGED
4	9	PI	2H	PLUGGED
4	9	MAI	2H	PLUGGED
9	9	49	TSH	PLUGGED
9	9	98	7H	PLUGGED
9	9	DI	7H	PLUGGED
9	9	PI	1H	PLUGGED
9	9	MAI	1H	PLUGGED
9	9	SAI	7H	PLUGGED
14	9	96	2H	PLUGGED
14	9	SAI	2H	PLUGGED
17	9	PI	1H	PLUGGED
17	9	85	1H	PLUGGED
17	9	99	1H	PLUGGED
2	10	DI	1H	PLUGGED
2	10	MAI	1H	PLUGGED
21	10	23	1H	PLUGGED
21	10	PI	1H	PLUGGED
21	10	MAI	1H	PLUGGED

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STEAM GENERATOR "A"

ROW	COL	IND	LOC	REMARKS
4	11	DI	5H	PLUGGED
4	11	SAI	5H	PLUGGED
24	12	100	2H	PLUGGED
24	12	SAI	2H	PLUGGED
4	13	97	1H	PLUGGED
4	13	PI	1H	PLUGGED
4	13	SAI	1H	PLUGGED
31	13	PI	1H	PLUGGED
31	13	COI	1H	PLUGGED
14	14	PI	1H	PLUGGED
14	14	COI	1H	PLUGGED
25	16	DI	2H	PLUGGED
25	16	SAI	2H	PLUGGED
4	17	70	TSH	PLUGGED
4	17	44	TSH	PLUGGED
28	18	PI	2H	PLUGGED
28	18	45	2H	PLUGGED
3	19	97	1H	PLUGGED
3	19	93	2H	PLUGGED
3	19	MAI	1H	PLUGGED
3	19	SAI	2H	PLUGGED
18	19	PI	2H	PLUGGED
18	19	MAI	2H	PLUGGED
36	21	PI	1H	PLUGGED
36	21	SAI	1H	PLUGGED
6	22	SAI	TSH	PLUGGED
6	22	PI	TSH	PLUGGED
22	22	INF	AV3	
24	22	14	AV3	

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STEAM GENERATOR "A"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
25	22	INF	AV1	
30	22	INF	AV3	
35	22	PI	1H	PLUGGED
35	22	MAI	1H	PLUGGED
6	23	94	1H	PLUGGED
6	23	DI	2H	PLUGGED
6	23	SAI	1H	PLUGGED
6	23	SAI	2H	PLUGGED
14	23	SCI	TSH	PLUGGED
12	24	59	TSH	PLUGGED
12	24	SCI	TSH	PLUGGED
13	24	SCI	TSH	PLUGGED
14	24	25	TSH	
15	24	SCI	TSH	PLUGGED
16	24	PI	TSH	PLUGGED
23	24	31	TSH	
39	24	PI	1H	PLUGGED
39	24	MAI	1H	PLUGGED
7	25	SCI	TSH	PLUGGED
7	25	PI	TSH	PLUGGED
16	25	SCI	TSH	PLUGGED
20	25	SCI	TSH	PLUGGED
20	25	PI	TSH	PLUGGED
11	26	SCI	TSH	PLUGGED
11	26	PI	TSH	PLUGGED
23	26	DI	2H	PLUGGED
23	26	78	2H	PLUGGED
23	26	SAI	2H	PLUGGED

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-

STEAM GENERATOR "A"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
32	26	PI	2H	PLUGGED
32	26	COI	2H	PLUGGED
38	26	INF	AV3	PLUGGED
38	26	PI	2H	PLUGGED
38	26	SAI	2H	PLUGGED
41	26	INF	AV1	
2	27	PI	1H	PLUGGED
2	27	COI	1H	PLUGGED
8	27	SCI	TSH	PLUGGED
13	27	26	TSH	
20	27	49	TSH	PLUGGED
28	27	PI	1H	PLUGGED
28	27	COI	1H	PLUGGED
36	27	INF	AV3	
37	27	INF	AV2	
41	27	INF	AV1	
16	28	SCI	TSH	PLUGGED
16	28	PI	TSH	PLUGGED
18	28	SCI	TSH	PLUGGED
18	28	PI	TSH	PLUGGED
33	28	PI	1H	PLUGGED
33	28	COI	1H	PLUGGED
33	28	PI	1H	PLUGGED
17	29	SCI	TSH	PLUGGED
17	29	PI	TSH	PLUGGED
78	29	MCI	TSH	PLUGGED
18	29	MCI	TSH	PLUGGED

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STEAM GENERATOR "A"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
18	29	PI	TSH	PLUGGED
19	29	INF	AV2	
22	29	SCI	TSH	PLUGGED
42	29	INF	AV3	
9	30	TI	TSH	PLUGGED
9	30	55	TSH	PLUGGED
10	30	22	TSH	
16	30	52	3H	PLUGGED
16	30	SAI	3H	PLUGGED
17	30	SCI	TSH	PLUGGED
20	30	SCI	TSH	PLUGGED
20	30	PI	TSH	PLUGGED
20	30	PI	2H	PLUGGED
20	30	COI	2H	PLUGGED
35	30	PI	2H	PLUGGED
35	30	MAI	2H	PLUGGED
8	31	SCI	TSH	PLUGGED
18	31	SCI	TSH	PLUGGED
18	31	PI	TSH	PLUGGED
9	32	SCI	TSH	PLUGGED
9	32	PI	TSH	PLUGGED
9	32	PI	TSH	PLUGGED
17	32	SCI	TSH	PLUGGED
17	32	PI	TSH	PLUGGED
18	32	SCI	TSH	PLUGGED
3	33	PI	1H	PLUGGED
3	33	72	1H	PLUGGED
3	33	COI	1H	PLUGGED

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STEAM GENERATOR "A"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LC</u>	<u>REMARKS</u>
9	33	SCI	T1	PLUGGED
10	33	25	T5H	
11	33	11	TSH	
12	33	16	TSH	
13	33	34	TSH	
14	33	42	TSH	PLUGGED
14	33	97	4H	PLUGGED
14	33	SAI	4H	PLUGGED
14	33	SAI	4H	PLUGGED
19	33	26	TSH	PLUGGED
19	33	SCI	TSH	PLUGGED
28	33	58	TSH	PLUGGED
9	34	96	2H	PLUGGED
9	34	91	2H	PLUGGED
9	34	SAI	2H	PLUGGED
9	34	SAI	2H	PLUGGED
14	34	24	TSH	
19	34	MCI	TSH	PLUGGED
19	34	MCI	TSH	PLUGGED
30	34	PI	1H	PLUGGED
30	34	90	1H	PLUGGED
13	35	29	TSH	
14	35	45	TSH	PLUGGED
14	35	24	TSH	PLUGGED
14	35	19	TSH	PLUGGED
23	35	PI	1H	PLUGGED
23	35	21	1H	PLUGGED
24	35	SCI	TSH	PLUGGED

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STEAM GENERATOR "A"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
39	35	98	2H	PLUGGED
39	35	81	2H	PLUGGED
39	35	PI	2H	PLUGGED
39	35	SAI	2H	PLUGGED
10	36	PI	3H	PLUGGED
10	36	43	3H	PLUGGED
11	36	TI	TSH	PLUGGED
11	36	46	TSH	PLUGGED
13	36	36	TSH	
14	36	96	1H	PLUGGED
14	36	SAI	1H	PLUGGED
23	36	SCI	TSH	PLUGGED
34	36	SAI	TSH	PLUGGED
12	37	99	3H	PLUGGED
12	37	77	3H	PLUGGED
12	37	98	4H	PLUGGED
12	37	87	4H	PLUGGED
12	37	SAI	3H	PLUGGED
12	37	SAI	4H	PLUGGED
12	37	SAI	4H	PLUGGED
14	37	42	TSH	PLUGGED
21	37	MCI	TSH	PLUGGED
21	37	MCI	TSH	PLUGGED
25	37	SCI	TSH	PLUGGED
33	37	PI	1H	PLUGGED
33	37	SAI	1H	PLUGGED
9	38	*	*	PLUGGED
10	38	PI	5H	PLUGGED

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STEAM GENERATOR "A"

ROW	COL	IND	LOC	REMARKS
10	38	42	5H	PLUGGED
12	38	84	2H	PLUGGED
12	38	SAI	2H	PLUGGED
12	38	SAI	2H	PLUGGED
14	38	32	TSH	
18	38	SCI	TSH	PLUGGED
2	39	PI	2H	PLUGGED
2	39	COI	2H	PLUGGED
4	39	96	5H	PLUGGED
4	39	SAI	5H	PLUGGED
4	39	SAI	5H	PLUGGED
10	39	17	TSH	
12	39	13	TSH	
13	39	23	TSH	
15	39	38	TSH	
16	39	17	TSH	
25	39	PI	1H	PLUGGED
25	39	COI	1H	PLUGGED
6	40	DI	1H	PLUGGED
6	40	PI	1H	PLUGGED
6	40	SAI	1H	PLUGGED
10	40	29	TSH	
12	40	27	TSH	
13	40	40	TSH	PLUGGED
15	40	27	TSH	
16	40	44	TSH	PLUGGED
16	40	DI	1H	PLUGGED

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STEAM GENERATOR "A"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
16	40	SAI	1H	PLUGGED
21	40	SCI	TSH	PLUGGED
27	40	43	TSH	PLUGGED
27	40	40	TSH	PLUGGED
27	40	54	TSH	PLUGGED
28	40	54	TSH	PLUGGED
31	41	44	TSH	PLUGGED
32	41	70	TSH	PLUGGED
3	42	25	TSH	
5	42	20	5H	
6	42	PI	1H	PLUGGED
6	42	23	1H	PLUGGED
13	42	21	TSH	
13	42	38	TSH	
19	42	SCI	TSH	PLUGGED
19	42	PI	TSH	PLUGGED
20	42	36	TSH	
23	42	53	TSH	PLUGGED
15	43	45	TSH	PLUGGED
17	43	26	TSH	
22	43	42	TSH	PLUGGED
22	43	60	TSH	PLUGGED
23	43	87	2H	PLUGGED
23	43	SAI	2H	PLUGGED
32	43	34	TSH	PLUGGED
32	43	44	TSH	PLUGGED

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STEAM GENERATOR "A"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
32	43	PI	2H	PLUGGED
32	43	COI	2H	PLUGGED
9	44	17	5H	
10	44	23	TSH	
11	44	3	TSH	
12	44	69	2H	PLUGGED
12	44	PI	2H	PLUGGED
12	44	SAI	2H	PLUGGED
14	44	30	TSH	
14	44	23	TSH	
15	44	30	TSH	
16	44	23	TSH	
17	44	DI	6H	PLUGGED
17	44	SAI	6H	PLUGGED
20	44	30	TSH	
32	44	33	TSH	
7	45	**	**	PLUGGED
9	45	29	TSH	PLUGGED
9	45	36	TSH	PLUGGED
14	45	40	TSH	PLUGGED
15	45	27	TSH	
8	46	SAI	TSH	PLUGGED
14	46	DI	1H	PLUGGED
14	46	SAI	1H	PLUGGED
16	46	30	TSH	

SUPPLEMENTAL SHEET
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As required by the Provisions of the ASME Code Rules

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

STEAM GENERATOR "A"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
24	47	44	TSH	PLUGGED
33	47	26	TSH	
16	48	11	TSH	
16	48	15	TSH	
33	48	29	TSH	PLUGGED
33	48	SAI	TSH	PLUGGED
45	48	63	3H	PLUGGED
45	48	SAI	3H	PLUGGED
11	49	42	TSH	PLUGGED
15	49	21	TSH	
15	49	21	TSH	
16	49	58	TSH	PLUGGED
16	49	70	TSH	PLUGGED
25	49	72	5H	PLUGGED
25	49	72	5H	PLUGGED
33	49	26	TSH	PLUGGED
33	49	83	1H	PLUGGED
33	49	79	2H	PLUGGED
33	49	34	TSH	PLUGGED
33	49	SAI	1H	PLUGGED
33	49	COI	1H	PLUGGED
33	49	SAI	2H	PLUGGED
33	49	PI	1H	PLUGGED
45	49	19	AV3	
4	50	90	4H	PLUGGED
4	50	SAI	4H	PLUGGED
7	50	49	TSH	PLUGGED
15	50	SAI	TSH	PLUGGED
18	50	30	TSH	

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STEAM GENERATOR "A"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
20	50	47	TSH	PLUGGED
20	50	PI	2H	PLUGGED
20	50	14	2H	PLUGGED
25	50	SCI	TSH	PLUGGED
5	51	99	4H	PLUGGED
5	51	MAI	4H	PLUGGED
28	51	44	TSH	PLUGGED
33	51	34	TSH	
5	52	86	1H	PLUGGED
5	52	SAI	1H	PLUGGED
5	52	PI	1H	PLUGGED
13	52	SCI	TSH	PLUGGED
14	52	SCI	TSH	PLUGGED
22	52	SCI	TSH	PLUGGED
24	52	PI	TSH	PLUGGED
24	52	SCI	TSH	PLUGGED
30	52	PI	1H	PLUGGED
30	52	SAI	1H	PLUGGED
3	53	DI	1H	PLUGGED
3	53	SAI	1H	PLUGGED
8	53	DI	4H	PLUGGED
8	53	98	5H	PLUGGED
8	53	94	5H	PLUGGED
8	53	MAI	5H	PLUGGED
8	53	DI	4H	PLUGGED
8	53	91	5H	PLUGGED
8	53	DI	5H	PLUGGED
8	53	SAI	4H	PLUGGED
10	53	DI	5H	PLUGGED

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STEAM GENERATOR "A"

ROW	COL	IND	LOC	REMARKS
10	53	SAI	5H	PLUGGED
16	53	SCI	TSH	PLUGGED
18	53	SCI	TSH	PLUGGED
27	53	DI	2H	PLUGGED
27	53	DI	2H	PLUGGED
27	53	SAI	2H	PLUGGED
27	53	MAI	2H	PLUGGED
31	53	PI	1H	PLUGGED
31	53	PI	2H	PLUGGED
31	53	36	1H	PLUGGED
31	53	13	2H	PLUGGED
32	53	PI	2H	PLUGGED
32	53	PI	3H	PLUGGED
32	53	SAI	2H	PLUGGED
32	53	1	3H	PLUGGED
33	53	DI	1H	PLUGGED
33	53	DI	1H	PLUGGED
33	53	MAI	1H	PLUGGED
33	53	COI	1H	PLUGGED
33	53	PI	1H	PLUGGED
33	53	PI	2H	PLUGGED
33	53	18	2H	PLUGGED
5	54	88	1H	PLUGGED
5	54	90	1H	PLUGGED
5	54	SAI	1H	PLUGGED
5	54	SAI	1H	PLUGGED
6	54	DI	1H	PLUGGED
6	54	98	1H	PLUGGED
6	54	DI	5H	PLUGGED
6	54	SAI	1H	PLUGGED
6	54	SAI	1H	PLUGGED
6	54	COI	5H	PLUGGED
6	54	SAI	5H	PLUGGED
6	54	PI	1H	PLUGGED
6	54	PI	5H	PLUGGED

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STEAM GENERATOR "A"

ROW	COL	IND	LOC	REMARKS
25	54	PI	1H	PLUGGED
25	54	COI	1H	PLUGGED
29	54	DI	2H	PLUGGED
29	54	SAI	2H	PLUGGED
34	54	46	TSH	PLUGGED
34	54	70	TSH	PLUGGED
34	54	81	TSH	PLUGGED
34	54	SAI	TSH	PLUGGED
34	54	PI	TSH	PLUGGED
38	54	PI	1H	PLUGGED
38	54	SAI	1H	PLUGGED
40	54	PI	2H	PLUGGED
40	54	SAI	2H	PLUGGED
10	55	DI	2H	PLUGGED
10	55	SAI	2H	PLUGGED
26	55	SCI	TSH	PLUGGED
26	55	PI	TSH	PLUGGED
30	55	31	TSH	
32	55	DI	2H	PLUGGED
32	55	97	2H	PLUGGED
32	55	SAI	2H	PLUGGED
32	55	SAI	2H	PLUGGED
32	55	SAI	2H	PLUGGED
24	56	DI	2H	PLUGGED
24	56	SCI	TSH	PLUGGED
24	56	SAI	2H	PLUGGED
24	56	PI	TSH	PLUGGED
27	56	53	TSH	PLUGGED
27	56	SAI	TSH	PLUGGED
27	56	PI	TSH	PLUGGED
33	56	94	2H	PLUGGED
33	56	SAI	2H	PLUGGED

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STEAM GENERATOR "A"

ROW	COL	IND	LOC	REMARKS
4	57	98	1H	PLUGGED
4	57	SAI	1H	PLUGGED
4	57	PI	1H	PLUGGED
29	57	26	TSH	PLUGGED
29	57	44	TSH	PLUGGED
29	57	28	TSH	PLUGGED
29	57	PI	2H	PLUGGED
29	57	SAI	2H	PLUGGED
30	57	33	TSH	
14	58	SCI	TSH	PLUGGED
23	58	85	6H	PLUGGED
23	58	SAI	6H	PLUGGED
10	59	28	TSH	PLUGGED
10	59	DI	1H	PLUGGED
10	59	PI	1H	PLUGGED
10	59	61	1H	PLUGGED
10	59	COI	1H	PLUGGED
10	59	SAI	1H	PLUGGED
30	59	15	TSH	PLUGGED
30	59	40	TSH	PLUGGED
35	59	PI	2H	PLUGGED
35	59	28	2H	PLUGGED
15	60	SCI	TSH	PLUGGED
37	60	17	AV4	
44	60	14	AV3	
5	61	99	6H	PLUGGED
5	61	SAI	6H	PLUGGED
4	62	69	1H	PLUGGED
4	62	SAI	1H	PLUGGED

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STEAM GENERATOR "A"

ROW	COL	IND	LOC	REMARKS
13	62	SCI	TSH	PLUGGED
25	62	SCI	TSH	PLUGGED
25	62	PI	TSH	PLUGGED
2	63	SCI	TSH	PLUGGED
21	63	27	TSH	
41	63	81	1H	PLUGGED
41	63	89	2H	PLUGGED
41	63	SAI	1H	PLUGGED
41	63	SAI	2H	PLUGGED
6	64	DI	4H	PLUGGED
6	64	COI	4H	PLUGGED
6	64	SAI	4H	PLUGGED
10	64	28	TSH	
23	64	50	TSH	PLUGGED
23	64	63	TSH	PLUGGED
23	64	52	TSH	PLUGGED
35	65	INF	AV2	
38	65	INF	AV2	
2	66	81	5H	PLUGGED
2	66	SAI	5H	PLUGGED
11	66	PI	TSH	PLUGGED
11	66	SCI	TSH	PLUGGED
39	66	INF	AV2	
39	66	INF	AV3	
40	66	INF	AV3	
3	68	97	1H	PLUGGED
3	68	SAI	1H	PLUGGED

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STEAM GENERATOR "A"

ROW	COL	IND	LOC	REMARKS
40	69	77	1H	PLUGGED
40	69	SAI	1H	PLUGGED
6	70	SCI	TSH	PLUGGED
7	70	DI	5H	PLUGGED
7	70	DI	5H	PLUGGED
7	70	SAI	5H	PLUGGED
8	70	75	2H	PLUGGED
8	70	75	3H	PLUGGED
8	70	SAI	2H	PLUGGED
8	70	SAI	2H	PLUGGED
8	70	SAI	3H	PLUGGED
8	70	SAI	3H	PLUGGED
11	71	PI	TSH	PLUGGED
11	71	SCI	TSH	PLUGGED
37	71	PI	1H	PLUGGED
37	71	COI	1H	PLUGGED
9	72	DI	2H	PLUGGED
9	72	SAI	2H	PLUGGED
16	72	14	TSH	
24	72	23	AV2	
4	73	PI	1H	PLUGGED
4	73	SAI	1H	PLUGGED
4	73	99	1H	PLUGGED
4	73	SAI	1H	PLUGGED
10	74	PI	TSH	PLUGGED
10	74	SCI	TSH	PLUGGED
17	74	75	1H	PLUGGED
17	74	SAI	1H	PLUGGED

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STEAM GENERATOR "A"

ROW	COL	IND	LOC	REMARKS
27	74	40	TSH	PLUGGED
16	76	DI	1H	PLUGGED
16	76	DI	1H	PLUGGED
16	76	SAI	1H	PLUGGED
16	76	SAI	1H	PLUGGED
20	77	DI	2H	PLUGGED
20	77	SAI	2H	PLUGGED
20	77	SAI	2H	PLUGGED
11	78	DI	1H	PLUGGED
11	78	SAI	1H	PLUGGED
24	81	99	1H	PLUGGED
24	81	DI	1H	PLUGGED
24	81	SAI	1H	PLUGGED
24	81	SAI	1H	PLUGGED
28	81	22	TSH	
28	81	28	TSH	
5	83	96	1H	PLUGGED
5	83	74	5H	PLUGGED
5	83	SAI	5H	PLUGGED
6	83	87	TSH	PLUGGED
29	83	43	TSH	PLUGGED
17	91	DI	2H	PLUGGED
17	91	SAI	2H	PLUGGED
17	91	SAI	2H	PLUGGED
8	92	46	3H	PLUGGED

* These tubes were scheduled to be restored to service this outage but were plugged due to eddy current indications or other anomalies.

** This tube was plugged by mistake.

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STEAM GENERATOR "B"

ROW	COL	IND	LOC	REMARKS
3	2	DI	1H	PLUGGED
3	2	PI	1H	PLUGGED
3	2	SAI	1H	PLUGGED
4	2	PI	3H	PLUGGED
4	2	SAI	3H	PLUGGED
13	5	22	AV4	
15	5	25	AV2	
15	5	20	AV3	
15	5	16	AV4	
3	7	92	2H	PLUGGED
3	7	MAI	2H	PLUGGED
7	7	PI	1H	PLUGGED
7	7	SAI	1H	PLUGGED
15	7	25	AV3	
20	7	32	AV3	
23	7	24	AV4	
2	8	92	1H	PLUGGED
2	8	SAI	1H	PLUGGED
15	8	23	AV2	
23	8	INF	AV	
23	8	INF	AV2	
24	8	32	AV2	
25	8	23	AV1	
2	9	92	1H	PLUGGED
2	9	SAI	1H	PLUGGED
2	9	SAI	1H	PLUGGED
5	9	PI	1H	PLUGGED

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STEAM GENERATOR "B"

ROW	COL	IND	LOC	REMARKS
5	9	PI	2H	PLUGGED
5	9	COI	1H	PLUGGED
5	9	COI	1H	PLUGGED
5	9	COI	2H	PLUGGED
5	9	COI	2H	PLUGGED
5	9	SAI	2H	PLUGGED
23	9	INF	AV1	
23	9	31	AV2	
23	9	20	AV3	
23	9	17	AV4	
24	9	21	AV1	
24	9	19	AV3	
25	9	INF	AV1	
26	9	20	AV1	
2	10	90	1H	PLUGGED
2	10	PI	1H	PLUGGED
2	10	MAI	1H	PLUGGED
23	10	INF	AV2	
24	10	INF	AV2	
24	10	27	AV4	
25	10	INF	AV2	
26	10	INF	AV1	
16	11	INF	AV3	
24	11	INF	AV1	
24	11	INF	AV2	
24	11	INF	AV4	
25	11	31	AV2	
25	11	25	AV4	
27	11	INF	AV3	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
2	12	98	1H	PLUGGED
2	12	SAI	1H	PLUGGED
9	12	92	1H	PLUGGED
9	12	96	1H	PLUGGED
9	12	PI	1H	PLUGGED
9	12	SAI	1H	PLUGGED
9	12	SAI	1H	PLUGGED
23	12	INF	AV1	
23	12	37	AV2	
23	12	28	AV4	
24	12	32	AV2	
25	12	33	AV1	
25	12	36	AV2	
25	12	30	AV3	
25	12	26	AV4	
30	12	INF	AV2	
30	12	INF	AV3	
19	13	85	2H	PLUGGED
19	13	SAI	2H	PLUGGED
22	13	22	AV3	
24	13	INF	AV1	
24	13	INF	AV3	
25	13	34	AV1	
25	13	34	AV3	
25	13	32	AV4	
26	13	32	AV1	
26	13	INF	AV2	
26	13	INF	AV3	
26	13	INF	AV4	
27	13	21	AV1	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
27	13	INF	AV2	
27	13	32	AV3	
27	13	31	AV4	
28	13	29	AV3	
29	13	36	AV1	
29	13	32	AV2	
29	13	23	AV3	
29	13	29	AV4	
30	13	33	AV1	
30	13	29	AV2	
30	13	17	AV3	
30	13	21	AV4	
11	14	25	TSH	PLUGGED
11	14	PI	1H	PLUGGED
11	14	COI	1H	PLUGGED
11	14	SAI	1H	PLUGGED
15	14	INF	AV2	
17	14	22	AV2	
17	14	24	AV3	
17	14	INF	AV4	
20	14	INF	AV4	
21	14	INF	AV3	
21	14	INF	AV4	
23	14	INF	AV2	
23	14	INF	AV4	
24	14	INF	AV1	
24	14	INF	AV2	
24	14	24	AV4	
25	14	24	AV1	
25	14	INF	AV2	
25	14	26	AV4	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
26	14	INF	AV1	
26	14	25	AV2	
26	14	22	AV3	
26	14	27	AV4	
27	14	INF	AV1	
27	14	INF	AV2	
27	14	21	AV3	
28	14	INF	AV2	
29	14	INF	AV1	
29	14	INF	AV2	
29	14	INF	AV4	
6	15	PI	1H	PLUGGED
6	15	PI	2H	PLUGGED
6	15	COI	1H	PLUGGED
6	15	COI	2H	PLUGGED
11	15	PI	2H	PLUGGED
11	15	PI	3H	PLUGGED
11	15	COI	2H	PLUGGED
11	15	COI	3H	PLUGGED
13	15	INF	AV3	
17	15	INF	AV1	
17	15	INF	AV3	
19	15	INF	AV3	
22	15	INF	AV3	
23	15	INF	AV1	
23	15	INF	AV2	
24	15	INF	AV1	
24	15	INF	AV2	

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STEAM GENERATOR "B"

ROW	COL	IND	LOC	REMARKS
25	15	INF	AV1	PLUGGED
25	15	INF	AV2	PLUGGED
25	15	PI	4H	PLUGGED
25	15	SAI	4H	PLUGGED
26	15	INF	AV2	
27	15	25	AV2	
28	15	21	AV4	
29	15	INF	AV1	
29	15	INF	AV2	
29	15	INF	AV3	
29	15	23	AV4	
29	15	6	5H	
31	15	INF	AV3	
9	16	DI	1H	PLUGGED
9	16	SAI	1H	PLUGGED
16	16	23	AV1	
17	16	23	AV3	
18	16	INF	AV4	
23	16	DI	3H	PLUGGED
23	16	INF	AV1	PLUGGED
23	16	INF	AV2	PLUGGED
23	16	SAI	3H	PLUGGED
24	16	INF	AV1	
24	16	INF	AV2	
25	16	INF	AV1	
25	16	INF	AV2	
25	16	INF	AV4	
26	16	INF	AV1	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
26	16	25	AV2	
26	16	INF	AV3	
26	16	INF	AV4	
27	16	INF	AV1	
27	16	INF	AV2	
27	16	INF	AV4	
29	16	INF	AV1	
29	16	INF	AV2	
29	16	26	AV3	
29	16	26	AV4	
32	16	25	AV1	
32	16	26	AV2	
32	16	26	AV4	
33	16	INF	AV1	
33	16	INF	AV2	
33	16	22	AV4	
15	17	INF	AV2	
25	17	INF	AV2	
25	17	23	AV3	
27	17	INF	AV1	
27	17	INF	AV2	
27	17	INF	AV3	
27	17	INF	AV4	
30	17	INF	AV2	
32	17	INF	AV1	
32	17	INF	AV2	
7	18	SCI	TSH	PLUGGED
7	18	PI	TSH	PLUGGED
20	18	INF	AV3	
21	18	INF	AV3	

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
22	18	INF	AV3	
23	18	INF	AV2	
23	18	INF	AV3	
24	18	INF	AV1	
24	18	INF	AV2	
24	18	INF	AV3	
25	18	INF	AV2	
27	18	INF	AV1	
27	18	INF	AV2	
29	18	27	AV2	
29	18	24	AV4	
32	18	INF	AV1	
32	18	INF	AV2	
33	18	INF	AV1	
33	18	INF	AV2	
33	18	INF	AV3	
35	18	INF	AV4	
10	19	MCI	TSH	PLUGGED
10	19	MCI	TSH	PLUGGED
10	19	PI	TSH	PLUGGED
16	19	INF	AV3	
16	19	INF	AV4	
17	19	INF	AV3	
21	19	INF	AV1	
21	19	INF	AV2	
21	19	INF	AV3	
22	19	INF	AV3	
23	19	INF	AV1	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
23	19	INF	AV2	
24	19	INF	AV1	
24	19	INF	AV2	
24	19	INF	AV3	
24	19	INF	AV4	
25	19	INF	AV1	
25	19	INF	AV2	
26	19	INF	AV1	
26	19	INF	AV2	
26	19	INF	AV3	
26	19	INF	AV4	
27	19	19	AV3	
27	19	INF	AV4	
28	19	INF	AV3	
29	19	INF	AV2	
30	19	INF	AV3	
31	19	18	AV3	
32	19	INF	AV1	
32	19	INF	AV2	
33	19	INF	AV1	
33	19	INF	AV2	
35	19	INF	AV3	
10	20	SCI	TSH	PLUGGED
10	20	PI	TSH	PLUGGED
15	20	98	1H	PLUGGED
15	20	INF	AV3	PLUGGED
15	20	SAI	1H	PLUGGED
17	20	INF	AV3	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
18	20	INF	AV3	
21	20	INF	AV3	
23	20	INF	AV3	
24	20	INF	AV1	
24	20	INF	AV2	
24	20	INF	AV3	
25	20	INF	AV1	
25	20	INF	AV2	
25	20	INF	AV3	
25	20	INF	AV4	
26	20	INF	AV1	
26	20	INF	AV3	
26	20	INF	AV4	
28	20	INF	AV3	
28	20	INF	AV4	
29	20	INF	AV1	
29	20	INF	AV2	
29	20	INF	AV3	
29	20	INF	AV4	
30	20	25	AV1	
30	20	INF	AV2	
30	20	INF	AV3	
30	20	22	AV4	
32	20	INF	AV1	
32	20	INF	AV2	
32	20	24	AV3	
32	20	27	AV4	
33	20	INF	AV2	
34	20	INF	AV2	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LC2</u>	<u>REMARKS</u>
34	20	INF	AV4	
36	20	22	AV4	
11	21	28	TSH	
15	21	INF	AV1	
16	21	INF	AV1	
19	21	INF	AV3	
20	21	INF	AV2	
20	21	INF	AV3	
20	21	INF	AV4	
22	21	INF	AV3	
22	21	INF	AV4	
23	21	INF	AV1	
23	21	26	AV2	
23	21	29	AV3	
23	21	INF	AV4	
24	21	INF	AV1	
24	21	30	AV2	
24	21	25	AV3	
24	21	INF	AV4	
25	21	INF	AV1	
25	21	28	AV2	
25	21	27	AV3	
25	21	23	AV4	
27	21	INF	AV1	
27	21	INF	AV3	
28	21	INF	AV2	
28	21	23	AV3	
29	21	INF	AV1	
29	21	INF	AV2	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
29	21	32	AV3	
29	21	25	AV4	
30	21	INF	AV2	
30	21	INF	AV3	
33	21	23	AV2	
33	21	27	AV3	
36	21	INF	AV2	
37	21	26	AV3	
38	21	INF	AV3	
16	22	INF	AV3	
20	22	INF	AV2	
27	22	INF	AV1	
27	22	INF	AV2	
28	22	INF	AV3	
33	22	INF	AV1	
33	22	INF	AV2	
33	22	19	AV4	
37	22	INF	AV4	
16	23	SCI	TSH	PLUGGED
18	23	INF	AV3	
26	23	INF	AV2	
26	23	INF	AV3	
27	23	INF	AV3	
29	23	INF	AV3	
30	23	INF	AV3	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
32	23	INF	AV1	
32	23	INF	AV2	
32	23	INF	AV3	
33	23	INF	AV1	
33	23	INF	AV2	
33	23	INF	AV3	
37	23	PI	1H	PLUGGED
37	23	COI	1H	PLUGGED
37	23	PI	1H	PLUGGED
5	24	PI	1H	PLUGGED
5	24	SAI	1H	PLUGGED
5	24	COI	1H	PLUGGED
17	24	INF	AV1	
24	24	INF	AV2	
24	24	INF	AV3	
25	24	INF	AV2	
26	24	INF	AV2	
26	24	INF	AV3	
29	24	INF	AV1	
29	24	INF	AV2	
29	24	INF	AV3	
29	24	INF	AV4	
32	24	INF	AV1	
32	24	INF	AV2	
32	24	INF	AV3	
32	24	INF	AV4	
38	24	27	AV4	
40	24	INF	AV3	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
7	25	97	1H	PLUGGED
7	25	SAI	1H	PLUGGED
17	25	87	2H	PLUGGED
17	25	SAI	2H	PLUGGED
18	25	INF	AV3	
25	25	INF	AV2	
26	25	INF	AV2	
27	25	INF	AV2	
29	25	INF	AV2	
24	26	INF	AV2	
25	26	INF	AV1	
25	26	INF	AV2	
26	26	INF	AV1	
26	26	INF	AV2	
26	26	INF	AV3	
32	26	28	AV3	
32	26	24	AV4	
33	26	INF	AV2	
34	26	INF	AV3	
34	26	21	AV4	
24	27	INF	AV1	
24	27	INF	AV2	
24	27	INF	AV3	
25	27	INF	AV2	
26	27	INF	AV2	
23	28	INF	AV1	
23	28	INF	AV3	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
24	28	INF	AV1	
24	28	INF	AV2	
24	28	30	AV3	
26	28	INF	AV2	
32	28	25	AV2	
32	28	27	AV3	
36	28	INF	AV3	
38	28	25	AV3	
39	28	INF	AV3	
42	28	21	AV3	
19	29	INF	AV1	
19	29	INF	AV2	
19	29	INF	AV3	
24	29	INF	AV2	
24	29	INF	AV3	
25	29	INF	AV1	
25	29	INF	AV2	
25	29	17	AV3	
26	29	INF	AV1	
26	29	INF	AV2	
26	29	INF	AV3	
27	29	INF	AV3	
29	29	INF	AV2	
34	29	INF	AV3	
7	30	96	1H	PLUGGED

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STEAM GENERATOR "B"

ROW	COL	IND	LOC	REMARKS
7	30	95	1H	PLUGGED
7	30	MAI	1H	PLUGGED
7	30	SAI	1H	PLUGGED
21	30	INF	AV2	
24	30	INF	AV2	
25	30	INF	AV2	
26	30	21	AV3	
27	30	INF	AV3	
41	30	21	AV1	
23	31	INF	AV1	
25	31	INF	AV1	
25	31	28	AV2	
25	31	24	AV3	
27	31	29	AV3	
27	31	INF	AV4	
29	31	INF	AV1	
29	31	24	AV2	
29	31	INF	AV3	
34	31	19	AV3	
37	31	INF	AV2	
38	31	INF	AV3	
5	32	SAI	TSH	PLUGGED
5	32	PI	TSH	PLUGGED
13	32	INF	AV3	
24	32	INF	AV1	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
24	32	28	AV3	
25	32	INF	AV1	
26	32	20	AV3	
27	32	INF	AV1	
29	32	20	AV3	
30	32	INF	AV2	
32	32	INF	AV1	
15	33	SCI	TSH	PLUGGED
15	33	PI	TSH	PLUGGED
23	33	INF	AV1	
23	33	INF	AV2	
25	33	INF	AV1	
25	33	INF	AV2	
25	33	INF	AV3	
26	33	INF	AV2	
26	33	INF	AV3	
27	33	INF	AV3	
30	33	INF	AV2	
30	33	INF	AV3	
36	33	INF	AV3	
37	33	INF	AV3	
18	34	INF	AV2	
23	34	INF	AV1	
24	34	INF	AV2	
27	34	INF	AV1	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
29	34	INF	AV1	
29	34	INF	AV2	
32	34	INF	AV1	
21	35	98	1H	PLUGGED
21	35	93	1H	PLUGGED
21	35	SAI	1H	PLUGGED
21	35	SAI	1H	PLUGGED
23	35	INF	AV2	
25	35	INF	AV2	
28	35	INF	AV2	
28	35	INF	AV3	
31	35	21	AV2	
33	35	INF	AV1	
33	35	25	AV2	
36	35	INF	AV1	
36	35	INF	AV2	
3	36	DI	4H	PLUGGED
3	36	SAI	4H	PLUGGED
14	36	DI	1H	PLUGGED
14	36	SAI	1H	PLUGGED
16	36	SAI	TSH	PLUGGED
34	36	INF	AV1	
34	36	INF	AV2	
35	36	INF	AV1	
35	36	INF	AV2	
36	36	INF	AV1	
36	36	32	AV2	

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
37	36	INF	AV2	
38	36	INF	AV2	
40	36	INF	AV1	
42	36	INF	AV2	
3	37	96	1H	PLUGGED
3	37	DI	1H	PLUGGED
3	37	SAI	1H	PLUGGED
10	37	SCI	TSH	PLUGGED
15	37	SCI	TSH	PLUGGED
17	37	DI	1H	PLUGGED
17	37	SAI	1H	PLUGGED
27	37	DI	1H	PLUGGED
27	37	DI	2H	PLUGGED
27	37	SAI	1H	PLUGGED
27	37	SAI	2H	PLUGGED
28	37	INF	AV2	
29	37	34	TSH	
33	37	INF	AV1	
34	37	INF	AV1	
35	37	INF	AV1	
35	37	INF	AV2	
43	37	INF	AV1	
43	37	INF	AV2	
3	38	78	1H	PLUGGED
3	38	MAI	1H	PLUGGED
4	38	48	1H	PLUGGED

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-

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
4	38	94	1H	PLUGGED
4	38	96	2H	PLUGGED
4	38	PI	2H	PLUGGED
4	38	SAI	1H	PLUGGED
4	38	SAI	2H	PLUGGED
5	38	93	3H	PLUGGED
5	38	SAI	3H	PLUGGED
12	38	88	1H	PLUGGED
12	38	SAI	1H	PLUGGED
14	38	SCI	TSH	PLUGGED
14	38	PI	TSH	PLUGGED
19	38	DI	1H	PLUGGED
19	38	SAI	1H	PLUGGED
21	38	SCI	TSH	PLUGGED
21	38	PI	TSH	PLUGGED
29	38	28	AV3	
32	38	28	AV3	
34	38	INF	AV1	
34	38	INF	AV2	
3	39	PI	2H	PLUGGED
3	39	SAI	2H	PLUGGED
4	39	79	1H	PLUGGED
4	39	PI	1H	PLUGGED
4	39	COI	1H	PLUGGED
4	39	SAI	1H	PLUGGED
6	39	96	1H	PLUGGED
6	39	PI	2H	PLUGGED
6	39	SAI	1H	PLUGGED
6	39	COI	2H	PLUGGED

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
12	39	PI	1H	PLUGGED
12	39	COI	1H	PLUGGED
29	39	INF	AV2	
35	39	INF	AV1	
35	39	INF	AV2	
37	39	PI	1H	PLUGGED
37	39	COI	1H	PLUGGED
5	40	44	TSC	PLUGGED
11	40	SCI	TSH	PLUGGED
20	40	PI	1H	PLUGGED
20	40	100	1H	PLUGGED
20	40	MCI	TSH	PLUGGED
20	40	MCI	TSH	PLUGGED
20	40	SAI	1H	PLUGGED
20	40	COI	1H	PLUGGED
20	40	SAI	1H	PLUGGED
31	40	PI	1H	PLUGGED
31	40	81	1H	PLUGGED
31	40	80	1H	PLUGGED
31	40	87	1H	PLUGGED
31	40	82	1H	PLUGGED
31	40	MAI	1H	PLUGGED
32	40	INF	AV2	
34	40	INF	AV2	
11	41	SCI	TSH	PLUGGED
21	41	PI	TSH	PLUGGED
21	41	SCI	TSH	PLUGGED
21	41	90	1H	PLUGGED
21	41	SAI	1H	PLUGGED

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
25	41	SCI	TSH	PLUGGED
27	41	SCI	TSH	PLUGGED
5	42	PI	1H	PLUGGED
5	42	SAI	1H	PLUGGED
5	42	97	1H	PLUGGED
5	42	98	1H	PLUGGED
11	42	SCI	TSH	PLUGGED
15	42	SCI	TSH	PLUGGED
17	42	INF	TSH	
20	42	INF	AV3	
21	42	INF	AV4	
27	42	INF	AV3	
32	42	INF	AV4	
2	43	97	1H	PLUGGED
2	43	DI	1H	PLUGGED
2	43	SAI	1H	PLUGGED
6	43	98	1H	PLUGGED
6	43	99	1H	PLUGGED
6	43	MAI	1H	PLUGGED
7	43	67	1H	PLUGGED
7	43	78	1H	PLUGGED
7	43	75	2H	PLUGGED
7	43	MAI	1H	PLUGGED
7	43	SAI	2H	PLUGGED
12	43	SCI	TSH	PLUGGED
13	43	INF	AV4	

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
17	43	SCI	TSH	PLUGGED
27	43	DI	3H	PLUGGED
27	43	SCI	TSH	PLUGGED
27	43	SAI	3H	PLUGGED
29	43	SCI	TSH	PLUGGED
2	44	DI	1H	PLUGGED
2	44	SAI	1H	PLUGGED
3	44	DI	3H	PLUGGED
3	44	MAI	3H	PLUGGED
17	44	SCI	TSH	PLUGGED
20	44	INF	AV4	
31	44	DI	1H	PLUGGED
31	44	SAI	1H	PLUGGED
44	44	18	AV4	
46	44	17	AV1	
46	44	21	AV2	
5	45	78	2H	PLUGGED
5	45	SAI	2H	PLUGGED
12	45	SCI	TSH	PLUGGED
17	45	SCI	TSH	PLUGGED
22	45	SCI	TSH	PLUGGED
12	46	INF	AV4	
21	46	SCI	TSH	PLUGGED
25	46	SCI	TSH	PLUGGED

SUPPLEMENTAL SHEET
NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>CCL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
7	47	DI	1H	PLUGGED
7	47	COI	1H	PLUGGED
7	47	COI	1H	PLUGGED
24	47	SCI	TSH	PLUGGED
21	48	INF	AV4	PLUGGED
21	48	SCI	TSH	PLUGGED
22	48	SCI	TSH	PLUGGED
24	48	SCI	TSH	PLUGGED
34	48	INF	AV2	
41	48	INF	AV1	
8	49	97	2H	PLUGGED
8	49	SAI	2H	PLUGGED
20	49	INF	AV4	
32	49	37	TSH	PLUGGED
22	49	MCI	TSH	PLUGGED
22	49	MCI	TSH	PLUGGED
24	49	SCI	TSH	PLUGGED
33	49	30	TSH	
33	49	INF	AV1	
35	49	INF	AV1	
39	49	INF	AV1	
42	49	INF	AV1	
43	49	INF	AV1	
46	49	20	AV3	
10	50	INF	AV1	

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

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
2. Plant North Anna Power Station, P.O. Box 102, Mineral, Virginia, 23117
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 6-6-78
6. National Board Number for Unit N/A

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
14	50	97	2H	PLUGGED
14	50	SAI	2H	PLUGGED
22	50	SCI	TSH	PLUGGED
23	50	PI	TSH	PLUGGED
23	50	SCI	TSH	PLUGGED
25	50	SCI	TSH	PLUGGED
28	50	INF	AV1	
29	50	34	TSH	
29	50	INF	AV1	
31	50	INF	AV1	
32	50	INF	AV3	
35	50	INF	AV1	
37	50	INF	AV1	
40	50	INF	AV1	
41	50	19	AV1	
42	50	19	AV1	
43	50	17	AV1	
5	51	PI	4H	PLUGGED
5	51	98	4H	PLUGGED
5	51	97	4H	PLUGGED
5	51	SAI	4H	PLUGGED
5	51	99	4H	PLUGGED
5	51	100	4H	PLUGGED
12	51	64	1H	PLUGGED
12	51	92	1H	PLUGGED
12	51	SAI	1H	PLUGGED

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

1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 6-6-78
6. National Board Number for Unit 14/A

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
18	51	INF	AV3	
19	51	SCI	TSH	PLUGGED
25	51	INF	AV2	PLUGGED
25	51	SCI	TSH	PLUGGED
29	51	55	TSH	PLUGGED
29	51	32	TSH	PLUGGED
2	52	85	1H	PLUGGED
2	52	100	1H	PLUGGED
2	52	SAI	1H	PLUGGED
6	52	DI	2H	PLUGGED
6	52	95	2H	PLUGGED
6	52	SAI	2H	PLUGGED
6	52	SAI	2H	PLUGGED
13	52	PI	TSH	PLUGGED
13	52	SCI	TSH	PLUGGED
16	52	83	2H	PLUGGED
16	52	97	2H	PLUGGED
16	52	MAI	2H	PLUGGED
16	52	SAI	2H	PLUGGED
25	52	56	TSH	PLUGGED
28	52	33	TSH	
30	52	SAI	TSH	PLUGGED
36	52	INF	AV1	
36	52	INF	AV2	
36	52	INF	AV3	
37	52	INF	AV3	
39	52	PI	2H	PLUGGED
39	52	COI	2H	PLUGGED

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
39	52	21	AV3	PLUGGED
39	52	20	AV4	PLUGGED
41	52	INF	AV1	
41	52	20	AV3	
44	52	PI	1H	PLUGGED
44	52	36	1H	PLUGGED
44	52	17	AV2	PLUGGED
44	52	22	AV3	PLUGGED
44	52	19	AV4	PLUGGED
44	52	INF	AV3	PLUGGED
14	53	MCI	TSH	PLUGGED
14	53	MCI	TSH	PLUGGED
27	53	PI	TSH	PLUGGED
27	53	SCI	TSH	PLUGGED
27	53	23	TSH	PLUGGED
27	53	29	TSH	PLUGGED
27	53	INF	AV3	PLUGGED
39	53	INF	AV3	
40	53	INF	AV3	
4	54	74	1H	PLUGGED
4	54	SAI	1H	PLUGGED
22	54	INF	AV1	
28	54	49	TSH	PLUGGED
36	54	23	AV3	
39	54	INF	AV3	
41	54	INF	AV2	
43	54	INF	AV2	

SUPPLEMENTAL SHEET
NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
43	54	INF	AV3	
44	54	INF	AV2	
44	54	27	AV3	
19	55	INF	AV3	
43	55	INF	AV2	
12	56	INF	AV4	
14	56	INF	AV4	
21	55	INF	AV3	
21	56	INF	AV4	
23	56	INF	AV4	
26	56	94	1H	PLUGGED
26	56	SAI	1H	PLUGGED
27	56	SCI	TSH	PLUGGED
27	56	FI	TSH	PLUGGED
35	56	INF	AV2	
36	56	INF	AV2	
41	56	INF	AV3	
45	56	INF	AV2	
9	57	PI	1H	PLUGGED
9	57	COI	1H	PLUGGED
13	57	SCI	TSH	PLUGGED
13	57	PI	TSH	PLUGGED
14	57	SCI	TSH	PLUGGED
14	57	PI	TSH	PLUGGED
20	57	22	AV3	

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
25	57	DI	1H	PLUGGED
25	57	97	1H	PLUGGED
25	57	MAI	1H	PLUGGED
26	57	SAI	TSH	PLUGGED
27	57	47	TSH	PLUGGED
27	57	40	TSH	PLUGGED
28	57	25	TSH	
28	57	30	TSH	
29	57	DI	2H	PLUGGED
29	57	INF	AV1	PLUGGED
29	57	SAI	2H	PLUGGED
36	57	17	AV2	
42	57	INF	AV2	
43	57	21	AV2	
44	57	INF	AV2	
9	58	92	1H	PLUGGED
9	58	97	1H	PLUGGED
9	58	PI	1H	PLUGGED
9	58	MAI	1H	PLUGGED
9	58	SAI	1H	PLUGGED
18	58	INF	AV4	
21	58	DI	4H	PLUGGED
21	58	SAI	4H	PLUGGED
22	58	INF	AV3	
25	58	22	AV3	
27	58	SAI	TSH	PLUGGED

SUPPLEMENTAL SHEET
NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
28	58	INF	AV2	
28	58	INF	AV3	
37	58	INF	AV3	
40	58	INF	AV3	
41	58	INF	AV3	
44	58	19	AV3	
44	58	INF	AV3	
45	58	26	AV2	
45	58	INF	AV3	
16	59	INF	AV3	
19	59	INF	AV4	
21	59	25	AV3	
21	59	SCI	TSH	PLUGGED
32	59	INF	AV2	
44	59	INF	AV2	PLUGGED
44	59	SAI	TSH	PLUGGED
45	59	INF	AV2	
15	60	INF	AV2	
15	60	INF	AV3	
22	60	INF	AV3	
27	60	INF	AV2	
27	60	INF	AV3	
28	60	INF	AV1	
30	60	25	AV1	

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
31	60	INF	AV2	
32	60	INF	AV1	
32	60	INF	AV2	
33	60	INF	AV1	
33	60	INF	AV3	
36	60	95	1H	PLUGGED
36	60	SAI	1H	PLUGGED
11	61	48	3H	PLUGGED
11	61	98	3H	PLUGGED
11	61	SAI	3H	PLUGGED
13	61	INF	AV3	
16	61	INF	AV3	
11	62	INF	AV2	
28	62	INF	AV2	
32	62	INF	AV3	
34	62	INF	AV2	
38	62	89	1H	PLUGGED
38	62	PI	1H	PLUGGED
38	62	SAI	1H	PLUGGED
22	63	98	1H	PLUGGED
22	63	SAI	1H	PLUGGED
29	63	INF	AV1	
31	63	INF	AV2	
35	63	INF	AV1	
37	63	INF	AV1	
37	63	INF	AV2	

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
41	63	INF	AV3	
4	64	90	3H	PLUGGED
4	64	SAI	3H	PLUGGED
11	64	93	3H	PLUGGED
11	64	SAI	3H	PLUGGED
11	64	SAI	3H	PLUGGED
18	64	32	AV3	
23	64	INF	AV1	
27	65	INF	AV1	
29	65	INF	AV1	
31	65	INF	AV2	
33	65	INF	AV1	
40	65	INF	AV2	
17	66	97	1H	PLUGGED
17	66	PI	1H	PLUGGED
17	66	SAI	1H	PLUGGED
28	66	INF	AV2	
29	66	INF	AV2	
29	66	INF	AV3	
38	66	PI	1H	PLUGGED
38	66	SAI	1H	PLUGGED
21	67	INF	AV3	
21	67	INF	TSC	
22	67	INF	AV2	
22	67	INF	AV3	
22	67	INF	AV4	

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
30	67	INF	AV1	
30	67	INF	AV2	
32	67	INF	AV1	
32	67	28	AV2	
32	67	INF	AV3	
32	67	INF	AV4	
37	67	INF	AV2	
39	67	INF	AV2	
42	67	INF	AV1	
42	67	INF	AV2	
11	68	98	2H	PLUGGED
11	68	DI	2H	PLUGGED
11	68	SCI	TSH	PLUGGED
11	68	SAI	2H	PLUGGED
19	68	INF	AV4	
20	68	INF	AV2	
30	68	INF	AV1	
30	68	INF	AV2	
33	68	INF	AV2	
40	68	29	AV2	
9	69	MCI	TSH	PLUGGED
9	69	MCI	TSH	PLUGGED
24	69	INF	AV2	
32	69	INF	AV2	
41	69	INF	AV2	
7	70	SCI	TSH	PLUGGED

SUPPLEMENTAL SHEET
NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
7	70	PI	TSH	PLUGGED
8	70	MCI	TSH	PLUGGED
8	70	MCI	TSH	PLUGGED
8	70	PI	TSH	PLUGGED
23	70	INF	AV3	
24	70	INF	AV3	
24	70	INF	AV4	
27	70	INF	AV3	
28	70	INF	AV2	
31	70	INF	AV2	
33	70	INF	AV2	
35	70	99	2H	PLUGGED
35	70	INF	AV1	PLUGGED
35	70	INF	AV2	PLUGGED
35	70	INF	AV3	PLUGGED
35	70	PI	2H	PLUGGED
35	70	MAI	2H	PLUGGED
36	70	INF	AV2	
36	70	INF	AV3	
39	70	INF	AV3	
40	70	INF	AV3	
2	71	97	2H	PLUGGED
2	71	SAI	2H	PLUGGED
12	71	INF	AV1	
12	71	INF	AV4	
16	71	INF	AV2	

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
17	71	INF	AV2	
21	71	INF	AV3	
23	71	INF	AV2	
24	71	INF	AV3	
24	71	INF	AV4	
25	71	INF	AV2	
26	71	INF	AV2	
31	71	INF	AV2	
31	71	INF	AV3	
32	71	INF	AV2	
32	71	INF	AV3	
33	71	INF	AV1	
33	71	INF	AV2	
33	71	INF	AV3	
35	71	INF	AV2	
39	71	INF	AV2	
15	72	INF	AV2	
24	72	INF	AV1	
24	72	INF	AV2	
27	72	INF	AV1	
27	72	INF	AV2	
28	72	INF	AV1	
30	72	INF	AV2	
31	72	INF	AV2	
32	72	INF	AV2	

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
15	73	INF	AV2	
17	73	27	AV2	
17	73	INF	AV3	
19	73	INF	AV1	
33	73	INF	AV3	
34	73	INF	AV3	
2	74	94	3H	PLUGGED
2	74	95	3H	PLUGGED
2	74	SAI	3H	PLUGGED
2	74	SAI	3H	PLUGGED
10	74	SCI	TSH	PLUGGED
10	74	PI	TSH	PLUGGED
12	74	INF	AV4	
13	74	INF	AV4	
21	74	INF	AV2	
32	74	INF	AV2	
33	74	INF	AV2	
35	74	DI	2H	PLUGGED
35	74	MAI	2H	PLUGGED
35	74	MAI	2H	PLUGGED
17	75	PI	1H	PLUGGED
17	75	MAI	1H	PLUGGED
24	75	INF	AV2	
27	75	INF	AV1	
27	75	INF	AV2	
37	75	88	1H	PLUGGED
37	75	92	1H	PLUGGED

SUPPLEMENTAL SHEET
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1. Owner Virginia Electric and Power Company, 5000 Dominion Blvd., Glen Allen, Virginia, 23060
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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
37	75	INF	AV3	PLUGGED
37	75	INF	AV4	PLUGGED
37	75	PI	1H	PLUGGED
37	75	MAI	1H	PLUGGED
14	77	INF	AV1	
14	77	INF	AV2	
14	77	INF	AV3	
14	77	INF	AV4	
15	77	INF	AV1	
16	77	INF	AV3	
16	77	INF	AV4	
23	77	INF	AV3	
33	77	25	AV2	
15	78	99	1H	PLUGGED
15	78	PI	1H	PLUGGED
15	78	MAI	1H	PLUGGED
17	78	INF	AV1	
17	78	INF	AV2	
17	78	INF	AV3	
24	78	INF	AV1	
24	78	INF	AV2	
24	78	INF	AV3	
24	78	INF	AV4	
26	78	INF	AV4	
29	78	INF	AV1	
30	78	INF	AV1	
31	78	INF	AV2	
32	78	INF	AV2	
33	78	INF	AV2	

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

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

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
17	79	INF	AV1	
21	79	INF	AV1	
7	80	DI	1H	PLUGGED
7	80	99	1H	PLUGGED
7	80	SAI	1H	PLUGGED
16	80	INF	AV2	
17	80	INF	AV2	
21	80	INF	AV2	
21	80	INF	AV3	
21	80	INF	AV4	
22	80	INF	AV2	
29	80	PI	4H	PLUGGED
29	80	SAI	4H	PLUGGED
7	81	DI	1H	PLUGGED
7	81	SAI	1H	PLUGGED
11	82	99	1H	PLUGGED
11	82	PI	1H	PLUGGED
11	82	MAI	1H	PLUGGED
11	82	SAI	1H	PLUGGED
21	83	INF	AV2	
21	83	INF	AV3	
21	83	INF	AV4	
26	83	29	AV2	
30	83	INF	AV1	
16	84	DI	2H	PLUGGED
16	84	SAI	2H	PLUGGED
24	84	92	2H	PLUGGED
24	84	92	2H	PLUGGED

SUPPLEMENTAL SHEET
NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

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 2. Plant North Anna Power Station, P.O. Box 402, Mineral, Virginia, 23117
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STEAM GENERATOR "B"

ROW	COL	IND	LOC	REMARKS
24	84	PI	2H	PLUGGED
24	84	MAI	2H	PLUGGED
24	84	SAI	2H	PLUGGED
2	85	99	4H	PLUGGED
2	85	100	4H	PLUGGED
2	85	SAI	4H	PLUGGED
2	85	SAI	4H	PLUGGED
7	85	100	1H	PLUGGED
7	85	SAI	1H	PLUGGED
16	85	INF	AV2	
17	85	INF	AV2	
17	85	INF	AV4	
18	85	INF	AV2	
18	85	INF	AV4	
22	85	INF	AV1	
22	85	INF	AV3	
24	85	INF	AV2	
24	85	INF	AV4	
25	85	INF	AV2	
2	86	95	3H	PLUGGED
2	86	67	3H	PLUGGED
2	86	PI	3H	PLUGGED
2	86	SAI	3H	PLUGGED
2	86	SAI	3H	PLUGGED
7	86	55	1H	PLUGGED
7	86	89	1H	PLUGGED
7	86	SAI	1H	PLUGGED

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STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
17	86	INF	AV3	
25	86	INF	AV1	
25	86	INF	AV2	
26	86	INF	AV3	
5	87	PI	3H	PLUGGED
5	87	43	3H	PLUGGED
11	87	INF	AV1	
17	87	INF	AV4	
18	87	INF	AV2	
18	87	INF	AV4	
22	87	INF	AV4	
12	88	INF	AV2	PLUGGED
12	88	PI	1H	PLUGGED
12	88	COI	1H	PLUGGED
17	88	INF	AV2	
22	88	INF	AV1	
22	88	INF	AV2	
22	88	INF	AV3	
4	89	SCI	TSH	PLUGGED
21	89	27	AV3	
2	90	90	3H	PLUGGED
2	90	DI	3H	PLUGGED
2	90	SAI	3H	PLUGGED
2	90	SAI	3H	PLUGGED
11	90	INF	AV1	

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-

STEAM GENERATOR "B"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
17	91	INF	AV3	
2	93	DI	3H	PLUGGED
2	93	SAI	3H	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
3	3	PI	1H	PLUGGED
3	3	38	1H	PLUGGED
10	5	98	2H	PLUGGED
10	5	SAI	2H	PLUGGED
11	7	79	3H	PLUGGED
11	7	93	3H	PLUGGED
11	7	MAI	3H	PLUGGED
6	8	PI	1H	PLUGGED
6	8	MAI	1H	PLUGGED
6	8	99	1H	PLUGGED
10	8	DI	2H	PLUGGED
10	8	99	2H	PLUGGED
10	8	92	3H	PLUGGED
10	8	MAI	2H	PLUGGED
10	8	MAI	3H	PLUGGED
11	8	DI	2H	PLUGGED
11	8	SAI	2H	PLUGGED
17	8	DI	1H	PLUGGED
17	8	SAI	1H	PLUGGED
7	9	DI	2H	PLUGGED
7	9	SAI	2H	PLUGGED
16	9	23	AV3	
20	9	20	AV2	
20	9	INF	AV3	
24	9	INF	AV2	
24	9	INF	AV3	
24	9	INF	AV4	
6	10	DI	1H	PLUGGED
6	10	97	1H	PLUGGED
6	10	SAI	1H	PLUGGED
19	10	INF	AV3	
19	10	23	AV3	

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
20	10	INF	AV2	
20	10	INF	AV3	
26	10	INF	AV2	
28	10	DI	2H	PLUGGED
28	10	SAI	2H	PLUGGED
5	11	PI	3H	
5	11	1	3H	
11	11	DI	2H	PLUGGED
11	11	SAI	2H	PLUGGED
16	11	PI	1H	PLUGGED
16	11	SAI	1H	PLUGGED
20	11	INF	AV1	
22	11	INF	AV3	
23	11	INF	AV1	
23	11	INF	AV3	
26	11	10	TSH	
26	11	10	TSH	
5	12	91	4H	PLUGGED
5	12	SAI	4H	PLUGGED
22	12	INF	AV3	
24	12	INF	AV1	
26	12	INF	AV2	
28	12	INF	AV4	
29	12	INF	AV4	
30	12	INF	AV2	

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
7	14	PI	3H	PLUGGED
7	14	PI	3H	PLUGGED
7	14	PI	3H	PLUGGED
7	14	SAI	3H	PLUGGED
7	14	48	1H	PLUGGED
7	14	55	3H	PLUGGED
7	14	61	3H	PLUGGED
7	14	MAI	1H	PLUGGED
10	14	PI	3H	PLUGGED
10	14	44	3H	PLUGGED
10	14	83	1H	PLUGGED
10	14	80	1H	PLUGGED
10	14	77	2H	PLUGGED
10	14	MAI	1H	PLUGGED
10	14	SAI	1H	PLUGGED
10	14	SAI	2H	PLUGGED
10	14	MAI	2H	PLUGGED
18	14	INF	AV3	
24	14	INF	AV2	
24	14	INF	AV3	
25	14	83	1H	PLUGGED
25	14	SAI	1H	PLUGGED
26	14	INF	AV1	
26	14	25	AV2	
27	14	INF	AV3	
16	15	PI	2H	PLUGGED
16	15	75	2H	PLUGGED
10	16	70	3H	PLUGGED
10	16	SAI	3H	PLUGGED
16	16	INF	AV2	
20	16	INF	AV3	

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
31	16	20	AV3	
3	17	PI	1H	PLUGGED
3	17	81	1H	PLUGGED
10	18	PI	2H	
10	18	1	2H	
12	18	98	2H	PLUGGED
12	18	99	3H	PLUGGED
12	18	SAI	2H	PLUGGED
12	18	SAI	3H	PLUGGED
21	18	100	1H	PLUGGED
21	18	SAI	1H	PLUGGED
32	18	DI	1H	PLUGGED
32	18	MAI	1H	PLUGGED
15	19	25	TSH	
19	19	DI	1H	PLUGGED
19	19	SAI	1H	PLUGGED
30	19	19	AV3	
34	19	20	AV3	
36	19	19	AV3	
36	19	16	AV4	
37	19	17	AV4	
8	20	PI	1H	PLUGGED
8	20	SAI	1H	PLUGGED
8	20	DI	1H	PLUGGED
16	20	P1	TSH	PLUGGED
16	20	49	TSH	PLUGGED
24	20	INF	AV2	
24	20	INF	AV3	

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
11	21	25	TSH	
29	21	INF	AV3	
5	22	34	TSH	
7	22	DI	2H	PLUGGED
7	22	SAI	2H	PLUGGED
11	22	PI	TSH	PLUGGED
11	22	SCI	TSH	PLUGGED
14	22	INF	AV1	
17	22	INF	AV4	
25	22	INF	AV3	
3	23	69	3H	PLUGGED
3	23	SAI	3H	PLUGGED
11	23	94	2H	PLUGGED
11	23	SAI	2H	PLUGGED
18	23	INF	AV3	
18	23	INF	AV4	
20	23	20	TSH	
20	23	15	TSH	
22	23	20	AV2	
22	23	20	AV3	
28	23	INF	AV3	
31	23	18	AV2	
32	23	INF	AV2	
32	23	24	AV3	
39	23	INF	AV3	
5	24	PI	1H	
5	24	1	1H	

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
10	24	PI	TSH	PLUGGED
10	24	PI	2H	PLUGGED
10	24	SAI	2H	PLUGGED
10	24	50	2H	PLUGGED
10	24	SCI	TSH	PLUGGED
10	24	97	2H	PLUGGED
14	24	SCI	TSH	PLUGGED
14	24	INF	AV4	PLUGGED
17	24	38	TSH	
19	24	33	TSH	
37	24	21	AV1	
37	24	22	AV2	
5	25	92	3H	PLUGGED
5	25	SAI	3H	PLUGGED
10	25	MAI	TSH	PLUGGED
10	25	PI	TSH	PLUGGED
10	25	PI	1H	PLUGGED
10	25	PI	4H	PLUGGED
10	25	PI	TSH	PLUGGED
10	25	PI	1H	PLUGGED
10	25	PI	4H	PLUGGED
10	25	PI	TSH	PLUGGED
10	25	PI	1H	PLUGGED
10	25	PI	4H	PLUGGED
10	25	COI	1H	PLUGGED
10	25	COI	1H	PLUGGED
10	25	COI	1H	PLUGGED
10	25	49	4H	PLUGGED
10	25	20	4H	PLUGGED
17	25	SCI	TSH	PLUGGED
17	25	24	TSH	PLUGGED
22	25	27	TSH	PLUGGED
22	25	PI	2H	PLUGGED
22	25	COI	2H	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
39	25	PI	2H	PLUGGED
39	25	SAI	2H	PLUGGED
6	26	77	2H	PLUGGED
6	26	MAI	2H	PLUGGED
13	26	MCI	TSH	PLUGGED
13	26	MCI	TSH	PLUGGED
13	26	PI	TSH	PLUGGED
13	26	PI	3H	PLUGGED
13	26	SAI	3H	PLUGGED
14	26	SCI	TSH	PLUGGED
14	26	PI	TSH	PLUGGED
16	26	SCI	TSH	PLUGGED
16	26	19	TSH	PLUGGED
19	26	MCI	TSH	PLUGGED
19	26	MCI	TSH	PLUGGED
39	26	INF	AV2	
3	27	97	2H	PLUGGED
3	27	100	2H	PLUGGED
3	27	MAI	2H	PLUGGED
5	27		2H	PLUGGED
5	27	34	2H	PLUGGED
5	27	SAI	2H	PLUGGED
20	27	SCI	TSH	PLUGGED
20	27	PI	TSH	PLUGGED
35	27	INF	AV3	
38	27	INF	AV2	
38	27	23	AV3	
14	28	PT	3H	PLUGGED
14	28	86	3H	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
18	28	SCI	TSH	PLUGGED
19	28	MCI	TSH	PLUGGED
19	28	MCI	TSH	PLUGGED
19	28	SCI	TSH	PLUGGED
19	28	PI	TSH	PLUGGED
22	28	MCI	TSH	PLUGGED
22	28	MCI	TSH	PLUGGED
22	28	PI	TSH	PLUGGED
31	28	INF	2C	
32	28	INF	AV2	
13	29	SCI	TSH	PLUGGED
18	29	INF	AV4	
19	29	SCI	TSH	PLUGGED
19	29	PI	TSH	PLUGGED
20	29	MCI	TSH	PLUGGED
20	29	MCI	TSH	PLUGGED
20	29	PI	TSH	PLUGGED
23	29	INF	AV3	
24	29	INF	AV3	
29	29	INF	AV4	
30	29	21	AV3	
32	29	INF	AV3	
3	30	62	2H	PLUGGED
3	30	SAI	2H	PLUGGED
12	30	DI	2H	PLUGGED
12	30	SAI	2H	PLUGGED
14	30	PI	TSH	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
14	30	SCI	TSH	PLUGGED
19	30	SCI	TSH	PLUGGED
20	30	MCI	TSH	PLUGGED
20	30	MCI	TSH	PLUGGED
20	30	MCI	TSH	PLUGGED
20	30	PI	TSH	PLUGGED
24	30	MCI	TSH	PLUGGED
24	30	MCI	TSH	PLUGGED
24	30	22	TSH	PLUGGED
24	30	PI	TSH	PLUGGED
16	31	SCI	TSH	PLUGGED
16	31	PI	TSH	PLUGGED
18	31	SCI	TSH	PLUGGED
18	31	PI	TSH	PLUGGED
19	31	SCI	TSH	PLUGGED
19	31	PI	TSH	PLUGGED
21	31	SCI	TSH	PLUGGED
21	31	99	1H	PLUGGED
21	31	96	1H	PLUGGED
21	31	PI	TSH	PLUGGED
21	31	MAI	1H	PLUGGED
10	32	J6	TSH	PLUGGED
10	32	DI	1H	PLUGGED
10	32	SAI	1H	PLUGGED
15	32	PI	1H	PLUGGED
15	32	COI	1H	PLUGGED
16	32	SCI	TSH	PLUGGED
16	32	32	TSH	PLUGGED
16	32	PI	TSH	PLUGGED
16	32	PI	TSH	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
19	32	INF	AV3	
22	32	MCI	TSH	PLUGGED
22	32	MCI	TSH	PLUGGED
22	32	PI	TSH	PLUGGED
23	32	INF	AV1	
29	32	PI	2H	PLUGGED
29	32	54	2H	PLUGGED
17	33	MCI	TSH	PLUGGED
17	33	MCI	TSH	PLUGGED
17	33	MCI	TSH	PLUGGED
17	33	PI	TSH	PLUGGED
18	33	SCI	TSH	PLUGGED
18	33	PI	TSH	PLUGGED
21	33	15	AV4	
22	33	SCI	TSH	PLUGGED
22	33	PI	TSH	PLUGGED
25	33	20	AV3	
32	33	21	AV3	
37	33	INF	AV1	
37	33	INF	AV3	
37	33	INF	AV1	
37	33	16	AV3	
37	33	INF	AV1	
37	33	INF	AV3	
40	33	INF	AV3	
6	34	41	TSH	PLUGGED
6	34	45	TSH	PLUGGED
16	34	SCI	TSH	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
18	34	SCI	TSH	PLUGGED
24	34	DI	1H	PLUGGED
24	34	92	1H	PLUGGED
24	34	SAI	1H	PLUGGED
25	34	54	1H	PLUGGED
25	34	SAI	1H	PLUGGED
41	34	19	AV3	
14	35	21	TSH	
19	35	SCI	TSH	PLUGGED
19	35	PI	TSH	PLUGGED
22	35	SCI	TSH	PLUGGED
24	35	86	TSH	PLUGGED
24	35	PI	2H	PLUGGED
24	35	COI	2H	PLUGGED
25	35	INF	AV2	
12	36	23	TSH	
12	36	20	TSH	
18	36	SCI	TSH	PLUGGED
19	36	SCI	TSH	PLUGGED
19	36	PI	TSH	PLUGGED
21	36	SCI	TSH	PLUGGED
44	36	INF	AV2	
2	37	PI	1H	PLUGGED
2	37	PI	2H	PLUGGED
2	37	COI	1H	PLUGGED
2	37	SAI	1H	PLUGGED
2	37	COI	2H	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
2	37	MAI	2H	PLUGGED
7	37	34	TSH	
11	37	PI	4H	PLUGGED
11	37	COI	4H	PLUGGED
19	37	MCI	TSH	PLUGGED
19	37	MCI	TSH	PLUGGED
19	37	PI	TSH	PLUGGED
21	37	SCI	TSH	PLUGGED
24	37	SCI	TSH	PLUGGED
24	37	PI	TSH	PLUGGED
27	37	SAI	TSH	PLUGGED
27	37	32	TSH	PLUGGED
22	38	INF	AV2	
22	38	INF	AV3	
25	38	SAI	TSH	PLUGGED
25	38	56	TSH	PLUGGED
27	38	MAI	TSH	PLUGGED
27	38	52	TSH	PLUGGED
27	38	INF	AV3	PLUGGED
28	38	11	TSH	
28	38	18	AV2	
28	38	21	AV3	
30	38	INF	AV3	
31	38	17	AV3	
32	38	15	AV2	
33	38	21	AV1	
33	38	21	AV2	

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

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

STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
12	39	16	TSH	
13	39	17	TSH	
17	39	MCI	TSH	PLUGGED
17	39	MCI	TSH	PLUGGED
17	39	PI	TSH	PLUGGED
19	39	SCI	TSH	PLUGGED
19	39	PI	TSH	PLUGGED
20	39	SCI	TSH	PLUGGED
22	39	SCI	TSH	PLUGGED
22	39	PI	TSH	PLUGGED
25	39	PI	1H	PLUGGED
25	39	43	1H	PLUGGED
28	39	INF	AV3	
29	39	40	TSH	PLUGGED
29	39	PI	TSH	PLUGGED
30	39	15	AV3	
2	40	89	3H	PLUGGED
2	40	SAI	3H	PLUGGED
8	40	32	TSH	
18	40	SCI	TSH	PLUGGED
18	40	PI	TSH	PLUGGED
19	40	MCI	TSH	PLUGGED
19	40	MCI	TSH	PLUGGED
19	4C	90	TSH	PLUGGED
23	40	SCI	TSH	PLUGGED
24	40	SCI	TSH	PLUGGED
24	40	PI	TSH	PLUGGED
28	40	SAI	TSH	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
28	40	47	TSH	PLUGGED
28	40	35	TSH	PLUGGED
28	40	PI	TSH	PLUGGED
39	40	14	AV3	
41	40	15	AV3	
2	41	82	3H	PLUGGED
2	41	SAI	3H	PLUGGED
2	41	SAI	3H	PLUGGED
5	41	PI	3H	PLUGGED
5	41	20	3H	PLUGGED
7	41	99	1H	PLUGGED
7	41	97	2H	PLUGGED
7	41	SAI	1H	PLUGGED
7	41	SAI	2H	PLUGGED
7	41	SAI	2H	PLUGGED
20	41	SCI	TSH	PLUGGED
23	41	SCI	TSH	PLUGGED
24	41	MCI	TSH	PLUGGED
24	41	MCI	TSH	PLUGGED
26	41	SCI	TSH	PLUGGED
30	41	30	TSH	
41	41	PI	2H	PLUGGED
41	41	SAI	2H	PLUGGED
3	42	98	2H	PLUGGED
3	42	MAI	2H	PLUGGED
11	42	25	TSH	
11	42	19	TSH	
11	42	19	TSH	

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
12	42	28	TSH	
16	42	85	2H	PLUGGED
16	42	PI	2H	PLUGGED
16	42	MAI	2H	PLUGGED
19	42	SCI	TSH	PLUGGED
24	42	SCI	TSH	PLUGGED
25	42	SCI	TSH	PLUGGED
26	42	28	TSH	
27	42	SCI	TSH	PLUGGED
10	43	15	TSH	
18	43	SCI	TSH	PLUGGED
18	43	PI	TSH	PLUGGED
25	43	MCI	TSH	PLUGGED
25	43	MCI	TSH	PLUGGED
25	43	PI	TSH	PLUGGED
31	43	99	2H	PLUGGED
31	43	DI	2H	PLUGGED
31	43	SAI	2H	PLUGGED
19	44	99	1H	PLUGGED
19	44	82	1H	PLUGGED
19	44	SAI	1H	PLUGGED
19	44	SAI	1H	PLUGGED
24	44	MCI	TSH	PLUGGED
24	44	MCI	TSH	PLUGGED
29	44	75	TSH	PLUGGED
29	44	74	TSH	PLUGGED
29	44	PI	TSH	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
45	44	INF	AV2	
3	45	80	1H	PLUGGED
3	45	SAI	1H	PLUGGED
12	45	32	TSH	PLUGGED
12	45	PI	2H	PLUGGED
12	45	COI	2H	PLUGGED
12	45	COI	2H	PLUGGED
13		SCI	TSH	PLUGGED
13		PI	TSH	PLUGGED
13	45	PI	2H	PLUGGED
13	45	COI	2H	PLUGGED
14	45	PI	2H	PLUGGED
14	45	COI	2H	PLUGGED
17	45	16	AV4	
18	45	14	AV4	PLUGGED
18	45	SCI	TSH	PLUGGED
19	45	19	AV4	
24	45	MCI	TSH	PLUGGED
24	45	MCI	TSH	PLUGGED
24	45	MCI	TSH	PLUGGED
24	45	PI	TSH	PLUGGED
39	45	INF	AV1	
45	45	PI	1H	PLUGGED
45	45	SAI	1H	PLUGGED
9	46	**	**	PLUGGED
15	46	PI	2H	PLUGGED
15	46	COI	2H	PLUGGED
23	46	SCI	TSH	PLUGGED
23	46	PI	TSH	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
25	46	SCI	TSH	PLUGGED
25	46	PI	TSH	PLUGGED
32	46	38	TSH	PLUGGED
32	46	SAI	TSH	PLUGGED
32	46	PI	TSH	PLUGGED
34	46	29	TSH	
8	47	PI	3H	PLUGGED
8	47	COI	3H	PLUGGED
9	47	PI	1H	PLUGGED
9	47	PI	1H	PLUGGED
9	47	PI	1H	PLUGGED
9	47	COI	1H	PLUGGED
9	47	COI	1H	PLUGGED
9	47	COI	1H	PLUGGED
18	47	PI	2H	PLUGGED
18	47	COI	2H	PLUGGED
20	47	SCI	TSH	PLUGGED
25	47	SCI	TSH	PLUGGED
14	48	SCI	TSH	PLUGGED
23	48	SCI	TSH	PLUGGED
24	48	SCI	TSH	PLUGGED
24	48	PI	TSH	PLUGGED
28	48	INF	AV3	
32	48	42	TSH	PLUGGED
33	48	41	TSH	PLUGGED
12	49	PI	2H	PLUGGED

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STEAM GENERATOR "C"

ROW	COL	IND	LOC	REMARKS
12	49	COI	2H	PLUGGED
14	49	19	TSH	
32	49	SAI	TSH	PLUGGED
44	49	10	AV2	
38	50	INF	AV3	
17	51	98	2H	PLUGGED
17	51	13	2H	PLUGGED
17	51	COI	2H	PLUGGED
19	51	98	2H	PLUGGED
19	51	72	2H	PLUGGED
19	51	MAI	2H	PLUGGED
19	51	MAI	2H	PLUGGED
20	51	INF	AV1	
25	51	MCI	TSH	PLUGGED
25	51	MCI	TSH	PLUGGED
25	51	MCI	TSH	PLUGGED
25	51	MCI	TSH	PLUGGED
25	51	PI	TSH	PLUGGED
27	51	INF	AV3	
28	51	INF	AV3	
29	51	INF	AV3	
31	51	SAI	TSH	PLUGGED
31	51	PI	2H	PLUGGED
31	51	COI	2H	PLUGGED
32	51	INF	AV3	
7	52	96	2H	PLUGGED
7	52	SAI	TSH	PLUGGED
7	52	SAI	2H	PLUGGED
13	52	SCI	TSH	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
13	52	PI	TSH	PLUGGED
13	52	PI	1H	PLUGGED
13	52	COI	1H	PLUGGED
21	52	PI	2H	PLUGGED
21	52	COI	2H	PLUGGED
23	52	DI	2H	PLUGGED
23	52	86	2H	PLUGGED
23	52	SAI	2H	PLUGGED
23	52	MAI	2H	PLUGGED
30	52	INF	AV3	
34	52	INF	AV2	
37	52	INF	AV2	
39	52	INF	AV3	
20	53	PI	2H	PLUGGED
20	53	COI	2H	PLUGGED
25	53	SCI	TSH	PLUGGED
17	55	SCI	TSH	PLUGGED
25	55	MCI	TSH	PLUGGED
25	55	MCI	TSH	PLUGGED
25	55	PI	TSH	PLUGGED
26	55	SCI	TSH	PLUGGED
27	55	19	TSH	
27	55	14	TSH	
44	55	18	AV3	
2	56	88	1H	PLUGGED
2	56	SAI	1H	PLUGGED
13	56	SCI	TSH	PLUGGED
13	56	PI	TSH	PLUGGED

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STEAM GENERATOR "C"

ROW	COL	IND	LOC	REMARKS
17	56	MCI	TSH	PLUGGED
17	56	MCI	TSH	PLUGGED
27	56	SCI	TSH	PLUGGED
28	56	SCI	TSH	PLUGGED
29	56	PI	2H	PLUGGED
29	56	93	2H	PLUGGED
9	57	PI	1H	PLUGGED
9	57	SAI	1H	PLUGGED
17	57	SCI	TSH	PLUGGED
17	57	PI	TSH	PLUGGED
19	57	97	1H	PLUGGED
19	57	98	1H	PLUGGED
19	57	SAI	1H	PLUGGED
19	57	SAI	1H	PLUGGED
26	57	PI	2H	PLUGGED
26	57	SAI	2H	PLUGGED
28	57	75	TSH	PLUGGED
28	57	SCI	TSH	PLUGGED
28	57	SAI	TSH	PLUGGED
5	58	79	1H	PLUGGED
5	58	SAI	1H	PLUGGED
14	58	INF	AV4	PLUGGED
14	58	SCI	TSH	PLUGGED
20	58	31	1H	
25	58	SCI	TSH	PLUGGED
43	58	29	AV1	
44	58	18	AV3	
14	59	MCI	TSH	PLUGGED
14	59	MCI	TSH	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
16	59	MCI	TSH	PLUGGED
16	59	MCI	TSH	PLUGGED
17	59	SCI	TSH	PLUGGED
17	59	PI	TSH	PLUGGED
25	59	PI	TSH	PLUGGED
25	59	MCI	TSH	PLUGGED
25	59	MCI	TSH	PLUGGED
26	59	PI	TSH	PLUGGED
26	59	SCI	TSH	PLUGGED
31	59	98	4H	PLUGGED
31	59	SAI	4H	PLUGGED
13	60	SCI	TSH	PLUGGED
14	60	SCI	TSH	PLUGGED
17	60	SCI	TSH	PLUGGED
23	60	SCI	TSH	PLUGGED
23	60	MCI	TSH	PLUGGED
23	60	MCI	TSH	PLUGGED
23	60	PI	TSH	PLUGGED
26	60	PI	TSH	PLUGGED
26	60	SCI	TSH	PLUGGED
14	61	MCI	TSH	PLUGGED
14	61	MCI	TSH	PLUGGED
14	61	MCI	TSH	PLUGGED
14	61	MCI	TSH	PLUGGED
14	61	MCI	TSH	PLUGGED
21	61	SCI	TSH	PLUGGED
21	61	PI	TSH	PLUGGED
26	61	PI	TSH	PLUGGED
26	61	SCI	TSH	PLUGGED
26	61	PI	TSH	PLUGGED

SUPPLEMENTAL SHEET
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 3. Plant Unit 4 4. Owner Certificate of Authorization (if required) N/A 5. Commercial Service Date 6-6-78
 6. National Board Number for Unit N/A

STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
27	61	34	TSH	
14	62	DI	1H	PLUGGED
14	62	MAI	1H	PLUGGED
24	62	INF	AV2	PLUGGED
24	62	PI	2H	PLUGGED
24	62	55	2H	PLUGGED
14	63	PI	2H	PLUGGED
14	63	53	2H	PLUGGED
31	63	18	AV3	
7	64	96	1H	PLUGGED
7	64	81	1H	PLUGGED
7	64	SAI	1H	PLUGGED
13	64	SCI	TSH	PLUGGED
13	64	PI	TSH	PLUGGED
15	64	22	TSH	PLUGGED
15	64	29	TSH	PLUGGED
15	64	PI	2H	PLUGGED
15	64	COI	2H	PLUGGED
26	64	26	TSH	PLUGGED
26	64	PI	2H	PLUGGED
26	64	PI	3H	PLUGGED
26	64	32	2H	PLUGGED
26	64	43	3H	PLUGGED
27	64	PI	2H	PLUGGED
27	64	COI	2H	PLUGGED
2	65	DI	1H	PLUGGED
2	65	MAI	1H	PLUGGED
7	65	74	1H	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
7	65	DI	1H	PLUGGED
7	65	SAI	1H	PLUGGED
7	65	SAI	1H	PLUGGED
9	65	38	TSH	
13	65	DI	1H	PLUGGED
13	65	SCI	TSH	PLUGGED
13	65	SAI	1H	PLUGGED
25	65	43	TSH	PLUGGED
25	65	DI	2H	PLUGGED
25	65	PI	2H	PLUGGED
25	65	COI	2H	PLUGGED
6	66	DI	2H	PLUGGED
6	66	SAI	2H	PLUGGED
20	66	INF	AV1	
20	66	INF	AV4	
22	66	SCI	TSH	PLUGGED
23	66	MCI	TSH	PLUGGED
23	66	MCI	TSH	PLUGGED
31	66	97	2H	PLUGGED
31	66	D ₁	2H	PLUGGED
31	66	SAI	2H	PLUGGED
31	66	SAI	2H	PLUGGED
4	67	DI	1H	PLUGGED
4	67	SAI	1H	PLUGGED
11	67	87	2H	PLUGGED
11	67	SAI	2H	PLUGGED
29	67	10	AV2	
29	67	15	AV3	
5	68	98	2H	PLUGGED
5	68	DI	3H	PLUGGED

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STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
5	68	PI	2H	PLUGGED
5	68	SAI	2H	PLUGGED
5	68	SAI	3H	PLUGGED
33	68	98	2H	PLUGGED
33	68	SAI	2H	PLUGGED
4	69	99	3H	PLUGGED
4	69	SAI	3H	PLUGGED
5	69	DI	3H	PLUGGED
5	69	SAI	3H	PLUGGED
8	69	94	1H	PLUGGED
8	69	98	1H	PLUGGED
8	69	PI	1H	PLUGGED
8	69	MAI	1H	PLUGGED
20	69	SCI	TSH	PLUGGED
20	69	PI	TSH	PLUGGED
22	69	94	1H	PLUGGED
22	69	SAI	1H	PLUGGED
41	69	100	2H	PLUGGED
41	69	SAI	2H	PLUGGED
41	69	PI	2H	PLUGGED
11	70	54	TSH	PLUGGED
24	70	INF	AV1	
24	70	INF	AV2	
29	70	PI	3H	PLUGGED
29	70	71	3H	PLUGGED
32	70	16	AV3	
33	70	INF	AV1	
33	70	INF	AV3	
35	70	14	AV3	

SUPPLEMENTAL SHEET
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-
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 6. National Board Number for Unit N/A
-

STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
37	70	20	AV3	
38	70	18	AV3	
39	70	15	AV3	
23	71	PI	2H	PLUGGED
23	71	SAI	2H	PLUGGED
24	71	INF	AV2	
28	71	PI	2H	PLUGGED
28	71	64	2H	PLUGGED
35	71	12	AV2	PLUGGED
35	71	15	AV3	PLUGGED
35	71	PI	2H	PLUGGED
35	71	70	2H	PLUGGED
37	71	20	AV3	
38	71	18	AV3	
8	72	SCI	TSH	PLUGGED
11	72	SCI	TSH	PLUGGED
12	72	54	TSH	PLUGGED
13	72	44	TSH	PLUGGED
24	72	22	AV3	
24	72	21	AV4	
25	72	18	AV4	
31	72	16	AV3	
35	72	15	AV4	
37	72	20	AV3	
39	72	16	AV4	
2	73	PI	4H	PLUGGED
2	73	58	4H	PLUGGED

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

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

STEAM GENERATOR "C"

ROW	COL	IND	LOC	REMARKS
4	73	PI	1H	PLUGGED
4	73	PI	2H	PLUGGED
4	73	PI	3H	PLUGGED
4	73	PI	3H	PLUGGED
4	73	32	1H	PLUGGED
4	73	89	2H	PLUGGED
4	73	50	3H	PLUGGED
6	73	96	1H	PLUGGED
6	73	74	1H	PLUGGED
6	73	SAI	1H	PLUGGED
7	73	SCI	TSH	PLUGGED
10	73	94	1H	PLUGGED
10	73	98	1H	PLUGGED
10	73	SAI	1H	PLUGGED
10	73	SAI	1H	PLUGGED
10	73	PI	1H	PLUGGED
10	73	PI	1H	PLUGGED
11	73	SCI	TSH	PLUGGED
11	73	PI	TSH	PLUGGED
18	73	DI	1H	PLUGGED
18	73	SAI	1H	PLUGGED
24	73	15	AV2	
24	73	INF	AV3	
25	73	18	AV2	
29	73	INF	AV3	
32	73	18	AV3	
34	73	INF	AV3	
36	73	20	AV3	
37	73	18	AV3	

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

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

STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
10	74	88	1H	PLUGGED
10	74	SAI	1H	PLUGGED
37	74	INF	AV3	
5	75	84	2H	PLUGGED
5	75	SAI	2H	PLUGGED
5	75	PI	2H	PLUGGED
7	75	SCI	TSH	PLUGGED
7	75	PI	TSH	PLUGGED
19	75	14	AV3	
20	75	DI	1H	PLUGGED
20	75	DI	2H	PLUGGED
20	75	SAI	1H	PLUGGED
20	75	SAI	2H	PLUGGED
20	75	PI	1H	PLUGGED
21	75	17	AV3	
22	75	16	AV3	
23	75	INF	AV3	
25	75	15	AV3	
30	75	INF	AV3	
32	75	18	AV3	
34	75	18	AV3	
7	76	SCI	TSH	PLUGGED
10	76	MCI	TSH	PLUGGED
10	76	MCI	TSH	PLUGGED
14	76	DI	1H	PLUGGED
14	76	SAI	1H	PLUGGED
16	76	PI	1H	PLUGGED
16	76	92	1H	PLUGGED

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

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

STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
19	76	INF	AV3	
20	76	INF	AV3	
22	76	17	AV3	
26	76	INF	AV3	
27	76	INF	AV3	PLUGGED
27	76	PI	2H	PLUGGED
27	76	58	2H	PLUGGED
28	76	17	AV3	
29	76	INF	AV3	
30	76	INF	AV3	
31	76	15	AV3	
33	76	INF	AV3	
35	76	19	AV3	
37	76	15	AV2	
10	77	MCI	TSH	PLUGGED
10	77	MCI	TSH	PLUGGED
18	77	PI	2H	PLUGGED
18	77	COI	2H	PLUGGED
5	78	98	2H	PLUGGED
5	78	SAI	2H	PLUGGED
5	78	PI	2H	PLUGGED
11	78	89	2H	PLUGGED
11	78	SAI	2H	PLUGGED
11	78	PI	2H	PLUGGED
13	78	92	1H	PLUGGED
13	78	95	1H	PLUGGED
13	78	SAI	1H	PLUGGED

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

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

STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
6	79	SCI	TSH	PLUGGED
10	79	DI	1H	PLUGGED
10	79	DI	1H	PLUGGED
10	79	MAI	1H	PLUGGED
28	79	PI	2H	PLUGGED
28	79	37	2H	PLUGGED
28	79	87	2H	PLUGGED
28	79	94	2H	PLUGGED
29	79	21	AV2	
29	79	17	AV4	
2	80	48	1H	PLUGGED
2	80	SAI	1H	PLUGGED
6	80	SCI	TSH	PLUGGED
7	80	63	2H	PLUGGED
7	80	SAI	2H	PLUGGED
10	80	97	5H	PLUGGED
10	80	SAI	5H	PLUGGED
5	83	83	3H	PLUGGED
5	83	SAI	3H	PLUGGED
17	83	PI	2H	PLUGGED
17	83	SAI	2H	PLUGGED
18	83	99	2H	PLUGGED
18	83	SAI	2H	PLUGGED
8	84	91	3H	PLUGGED
8	84	98	3H	PLUGGED
8	84	SAI	3H	PLUGGED
16	84	91	2H	PLUGGED
16	84	99	2H	PLUGGED

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

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

STEAM GENERATOR "C"

ROW	COL	IND	LOC	REMARKS
16	84	SAI	2H	PLUGGED
16	84	SAI	2H	PLUGGED
3	85	92	2H	PLUGGED
3	85	DI	2H	PLUGGED
3	85	MAI	2H	PLUGGED
14	86	19	AV4	
7	87	72	2H	PLUGGED
7	87	SAI	2H	PLUGGED
2	90	DI	2H	PLUGGED
2	90	SAI	2H	PLUGGED
2	90	SAI	2H	PLUGGED
2	90	PI	3H	PLUGGED
2	90	PI	4H	PLUGGED
2	90	MAI	3H	PLUGGED
2	90	SAI	4H	PLUGGED
7	90	PI	2H	PLUGGED
7	90	63	2H	PLUGGED
11	90	PI	4H	PLUGGED
11	90	86	4H	PLUGGED
16	90	PI	1H	PLUGGED
16	90	86	1H	PLUGGED
12	93	87	1H	PLUGGED
12	93	92	3H	PLUGGED
12	93	DI	4H	PLUGGED
12	93	70	4H	PLUGGED
12	93	91	5H	PLUGGED
12	93	89	5H	PLUGGED
12	93	SAI	1H	PLUGGED
12	93	MAI	3H	PLUGGED
12	93	SAI	4H	PLUGGED
12	93	SAI	4H	PLUGGED
12	93	SAI	5H	PLUGGED
12	93	SAI	5H	PLUGGED
2	94	99	2H	PLUGGED
2	94	SAI	2H	PLUGGED

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

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

STEAM GENERATOR "C"

<u>ROW</u>	<u>COL</u>	<u>IND</u>	<u>LOC</u>	<u>REMARKS</u>
** This tube was plugged by mistake				

SUPPLEMENTAL SHEET
NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

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

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) 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.
- 4) 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.
- 5) MAI - Multiple Axial Indication - describes multiple axially oriented indication signals from Rotating Pancake probe data.
- 6) 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.
- 7) 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.
- 8) SAI - Single Axial Indication - describes a single axially oriented signal from Rotating Pancake probe data.
- 9) 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.
- 10) 55 - A number in the indication column shows the % thru wall depth of the indication.
- 11) TEH - Tube End Hot leg.

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

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

GLOSSARY OF TERMS

- 12) TEC - Tube Cold leg.
- 13) TSH - Top of Tubesheet Hot leg.
- 14) TSC - Top of Tubesheet Cold leg.
- 15) #C, #H - (# = number) of Support Plate Hot or Cold leg. e.g., 3H, 6H, 7C.
- 16) 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 III

INSERVICE INSPECTION REPORT

of the

North Anna Power Station

Unit 1

P.O. Box 402

Mineral, Virginia 23117

for

Virginia Electric and Power Company

5000 Dominion Boulevard

Glen Allen, Virginia 23060

Commercial Service Date: June 6, 1978

Operating Capacity: 944 MWe (net)

Refueling Outage: 1st Period, 2nd Interval

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 Date July 5, 1990
Name
5000 Dominion Blvd Glen Allen, VA 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA 23117
Address R&R 89-301, Bolt Pym. 89-B067, EUR 89-539
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co Type Code Symbol Stamp N/A
Name
P.O. Box 402 Mineral, VA 23117
Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System Charging
5. (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda, 78, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583
 (c) Pump built to Draft Pump and Valve Code, 1969 Edition.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Charging Pump	Pacific Pumps	46357	N/A	1-CH-P-1A	76	Replaced	No
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Replacement	Yes
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Replace Support	No
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Studs & Nuts	No
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Replacement Support	No
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Studs & Nuts	No
Charging Pump	Pacific Pumps	N/A	N/A	1-CH-P-1A	76	Repaired	No

7. Description of Work Replaced Pump Casing, Discharge and Middle Flange Studs & Nuts. Repaired Pump Casing and Casing Welded Supports. Replaced Discharge Line. Replaced (Mod.ified) Pump Casing and Welded Supports.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure 3419 psig 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.

SUPPLEMENTAL SHEET ATTACHMENT III

Page 2 of 86

Side 1 of 2

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 Date July 5, 1990
 Name
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 2 of 2
 Address
2. Plant North Anna Power Station Unit 1
 Name
P.O. Box 402 Mineral, VA 23117 R&R 89-301 Boilermaker 89-8067 EWR 89-539
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co. Type Code Symbol Stamp N/A
 Name
P.O. Box 402 Mineral, VA 23117 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of system Charging
5. (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda, 78, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 SR3
 (c) Pump Built to Draft Pump and Valve Code, 1969 Edition
6. Identification of Components Repaired or Replaced or 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	4"-CH-3-153A-82	78	Repaired	No
Flange	Southwest Fab	N/A	N/A	4"-CH-19-153A-82	78	Replaced	No
Flange	Southwest Fab	N/A	N/A	6"-CH-19-153A-82	78	Replacement	No
Welded Pump Support	Pacific Pump	4976R	509	1"-CH-P-1A	79	*Replacement	No
Charging Pump Caddle	Pacific Pump	N/A	N/A	1"-CH-P-1A	76	*Replacement	No
Welded Pump Support	Pacific Pump	4976R	509	1"-CH-P-1A	77	Repair	No

* Modification

8. Remarks (cont.) Studs and 16 3/4" - 10 ASTM A-194 Gr 2H Nuts (ASME SA 194 Gr 2H).
 Applicable Manufacturer's Data Reports to be attached
Replacement (Modification) to Welded Supports and Charging Pump Caddle. These
Replacements were addressed in the EWR, but not in the R&R package. See D.R. 90-87.
Repaired Welded Pump Support. Applicable documents A.R. 89-506 and D.R. 90-920.
Manufacturers NPV-1 Form Attached. UT-3 exam performed by non-certified person and
addressed in D.R. 90-920.

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 Date July 5, 1990
Name
5000 Dominion Blvd Glen Allen, VA 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA 23117
Address R&R 89-301, Bolt Firm 89-B067, EUR 89-539
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co Type Code Symbol Stamp N/A
Name
P.O. Box 402 Mineral, VA 23117
Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System Charging
5. (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda, 78, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583
 (c) Pump built to Draft Pump and Valve Code, 1969 Edition.
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Charging Pump	Pacific Pumps	46357	N/A	1-CH-P-1A	76	Replaced	No
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Replacement	Yes
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Replace Support	
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Studs & Nuts	No
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Replacement Support	
Charging Pump	Pacific Pumps	49768	509	1-CH-P-1A	79	Studs & Nuts	No
Charging Pump	Pacific Pumps	N/A	N/A	1-CH-P-1A	76	Repaired	No

7. Description of Work Replaced Pump Casing, Discharge and Middle Flange Studs & Nuts. Repaired Pump Casing and Casing Welded Supports. Repaired Discharge Line. Replaced (Modified) Pump Casing and Welded Supports.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure 3419 psig Test Temp Ambient °F

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

FORM NIS-2 (Back)

9. Remarks Class 2 Replaced Charging Pump Casing with ASME SA182 Gr F 304 Casing.
Applicable Manufacturer's Data Reports to be attached
Replaced Discharge Studs & Nuts with 16 1 3/4"-12x10" ASME SA193 Gr B7 Studs and
16 1 3/4"-12 ASTM A-194 Gr B7 Nuts. Repaired Charging Pump Casing and 3"
Pipe. Replaced Middle Flange Studs & Nuts with 8 3/4"-10x4" ASTM A-193 Gr B7
 (cont. on pg. 2)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

Owner or Owner's Designee, Title

Engr.

Date

July 1619 90

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 & L Co. of
Hartford CT have inspected the components described
 in this Owner's Report during the period 13 Sept 1989 to 16 July 1990, 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. White
 Inspector's Signature

Commissions

VA 558

National Board, State, Province, and Endorsements

Date

16 July19 90

SUPPLEMENTAL SHEET

ATTACHMENT III

Page 2 of 86

Side 1 of 2

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 Date July 5, 1990
 Name
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 2 of 2
 Address
- 2 Plant North Anna Power Station Unit 1
 Name
P.O. Box 482 Mineral, VA 23117 R&R 89-301 Ref from P9-BOL7 EWR 89-539
 Address Repair Organization P.O. No., Job No., etc.
- 3 Work Performed by Virginia Electric & Power Co. Type Code Symbol Stamp N/A
 Name
P.O. Box 402 Mineral, VA 23117 Authorization No. N/A
 Address Expiration Date N/A
- 4 Identification of system Charging
- 5 (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda, 78, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583
 (c) Pump Built to Draft Pump and Valve Code, 1969 Edition
- 6 Identification of Components Repaired or Replaced or 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	9"-CH-3-1503-82	78	Repaired	No
Flange	Southwest Fab	N/A	N/A	6"-CH-19-153A-82	78	Replaced studs & nuts	No
Flange	Southwest Fab	N/A	N/A	6"-CH-19-153A-82	78	Replacement studs & nuts	No
Welded Pump Supports	Pacific Pumps	49768	509	1"-CH-P-1A	79	*Replacement	No
Charging Pump Caddle	Pacific Pumps	N/A	N/A	1"-CH-P-1A	76	*Replacement	No
Welded Pump Support	Pacific Pumps	49768	509	1"-CH-P-1A	79	Repair	No

* Modification

9. Remarks (cont.) Studs and 16 3/4"-10 ASTM A-194 GR 2H Nuts (ASME SA 194 GR 2H).
 Applicable Manufacturer's Data Reports to be attached
Replacement (Modification) to welded supports and charging pump caddle. ~~These~~ These
Replacements were addressed in the EWR, but not in the R&R package. See D.R. 90-87.
Repaired Welded Pump Support. Applicable documents A.R. 89-506 and D.R. 90-920.
Main fasteners NPV-1 Form Attached. VT-3 exam performed by non-certified person and
addressed in DR 90-920.

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code, Section III, Div 1

ATTACHMENT III
Page 3 of 86
Side 1 of 2

- Manufactured by PACIFIC PUMPS DIVISION -DRESSER INDUSTRIES, INC., HUNTINGTON PARK, CA.
(Name and Address of N Certificate Holder)
- Manufactured for WESTINGHOUSE ELECTRIC CORP., PITTSBURGH, PA. BD49-224
(Name and Address of Purchaser or Owner)
- Location of Installation INDIANA PUBLIC SERVICE CO. OF INDIANA - MARBLE HILL #2, MADISON, INDIANA
(Name and Address)
- Pump or Valve PUMP Nominal Inlet Size SIX (inch) Outlet Size FOUR (inch)

(a) Model No. (b) N Certificate Holder's (c) Canadian

Series No
or Type

Serial
No.

Registration
No

(d) Drawing
No.

(e) Class

(f) Nat'l.
Bd No

(g) Year
Built

(1)	2 1/2 RL-IJ	49768	302-B49224 R-6	2	509	1979
(2)						
(3)						
(4)						
(5)						
(6)						
(7)						
(8)						
(9)						
(10)						

5. CHARGING SAFETY INJECTION PUMP

(Brief description of service for which equipment was designed)

- Design Conditions LP 220 HP 2800 psi 300 °F or Valve Pressure Class 2 (1)
(Pressure) (Temperature)
- Cold Working Pressure - psi at 100°F
- Pressure Retaining Pieces

Mark No.	Material Spec No.	Manufacturer	Remarks
(a) Castings			
		WHE P.O. <u>346-CAY-237404</u>	
		<u>302</u>	
		DWG NO <u>B49224</u> <u>6</u>	
		SPIN NO <u>RT-0340N-01</u>	
		SER NO <u>49768</u>	
		ITEM NO	
	<u>NMP-200</u>		

(b) Forgings

J-4940-0070-AA	SA-182 F-304	CAMERON IRON WORKS	PUMP CASE
68828-B1-AA	" "	JORGENSEN STEEL	DISCHARGE HEAD
88244-38-AA	" "	AIRCO VIKING	DISCHARGE NOZZLE
69430-82-AA	" "	" "	SUCTION NOZZLE
69430-110-AB	" "	" "	SEAL HOUSING RADIAL
69430-111-AA	" "	" "	SEAL HOUSING THRUST
67953-158-AB	" "	" "	SEAL PLATE RADIAL
67953-142-AA	" "	" "	SEAL PLATE THRUST

(1) For manually operated valves only.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

Mark No.	Material Spec No	Manufacturer	Page 3 of 86 Side 2 of 2	Remarks
(c) Bolting (S/N 49768)				
8068101	SA-193 B-7	REPUBLIC STEEL		CASE STUD
66929	SA-194 7B	COAST INDUSTRIAL		CASE NUT
(d) Other Parts				
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>WELT J 34-CAL-232404</p> <p>302-</p> <p>DWG NO 34334 REV 6</p> <p>SPIN NO PCI-CAL-01</p> <p>SER NO 49768</p> <p>ITEM NO</p> </div>				

9. Hydrostatic test 4960 MP 375 LP psi. Disk Differential test pressure _____ psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971
 Addenda WINTER '72 (Date) Code Case No. _____ Date DECEMBER 20, 1979

Signed PACIFIC PUMPS DIV.-DRESSER IND., INC. by Walter R. Boyd
 (N Certificate Holder)

Our ASME Certificate of Authorization No. 1207 to use the N symbol expires 9/8/81
 (N) (Date)

CERTIFICATION OF DESIGN

Design information on file at PACIFIC PUMPS DIV.-DRESSER INDUSTRIES, INC.
 Stress analysis report (Class 1 only) on file at PACIFIC PUMPS DIV.-DRESSER INDUSTRIES, INC.

Design specifications certified by (1) A. J. WETTLAUER

PE State PA. Reg. No. 13335E

Stress analysis certified by (1) W. O. SHEPHERD

PE State CA. Reg. No. M11036

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALIFORNIA and employed by DIV. OF INDUST. SAFETY of CALIFORNIA have inspected the pump, or valve, described in this Data Report on 12-20 19 79, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date DECEMBER 20, 1979

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company Date 05/17/91
5000 Dominion Blvd. Glen Allen, VA. 23060
 Address
2. Plant North Anna Power Station Sheet 1 of 1
P.O. Box 402 Mineral, VA. 23117
 Address
3. Work Performed by Virginia Electric & Power Company Unit 1
5000 Dominion Blvd. Glen Allen, VA. 23060
 Address
4. Identification of System Chemical and Volume Control
 Repair/Replacement Program 89-B066
 Repair Organization P.O. No., Job No., etc.
5. (a) Applicable Construction Code B31.7 19 69 Edition, 1970 Addenda 7B, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 80, No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pump	Pacific	46357	N/A	1-CH-P-1A	1972	Replaced	No
Pump	Pacific	46357	N/A	1-CH-P-1A	1972	Replacement	No

7. Description of Work Replaced studs and nuts on inlet flange due to leakage.
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
Replaced 8 ASTM A193 Gr. B7 studs,
Replaced 16 ASTM A194 Gr. 2H nuts,
Replacement in accordance with ASME XI 1980 Edition.

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] SE TECHNICIAN Date 17 May, 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 4 Sept 1989 to 4 Sept 1989, 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 NR558
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 May, 1991

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 8 ASTM A193 Gr. B7 studs.
Replaced 16 ASTM A194 Gr. 2H nuts.
Replacement in accordance with ASME XI 1980 Edition.

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 CLP Sr Technician Date 17 May 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 8 DEC 1989 to 8 DEC 1989, 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. Egan Commissions VA558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 17 May 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 Date 5-16-90
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1
Name Address
2. Plant North Anna Power Station Unit 1
P.O. Box 402, Mineral, VA 23117 ADM. 9.9 Bolting Prgm. 89-B072, W.O. 101155
Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co. Type Code Symbol Stamp N/A
P.O. Box 402, Mineral, VA 23117 Authorization No. N/A
Name Address Expiration Date N/A
4. Identification of System Chemical and Volume Control (CH)
5. (a) Applicable Construction Code ANSI B31.7 19 69 Edition, W 70 Addenda 7E & (R) 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Ed. with 583 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)
3" Check Valve	Velan	N/A	N/A	1-CH-496	N/A	Replaced Bonnet Studs & Nuts	No
3" Check Valve	Velan	N/A	N/A	1-CH-496	N/A	Replacement Bonnet Studs & Nuts	No

7. Description of Work Replaced body to bonnet studs and nuts on 3" check valve.

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

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

FORM NIS-2 (Back)

9. Remarks ASME Class 1
Replaced twelve (12) 3/4" ϕ - 10 x 5" Lg Studs
and twelve (12) 3/4" ϕ - 10 Nuts

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date N/A
Signed J. P. Hamill LEAD ISI ENGR. Date May 16, 19 90
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 Hammond Steam Power & Ice Co. of
Hartford CT have inspected the components described
in this Owner's Report during the period 12-1-80 to 2-10-90, 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 C. Miller Commissions VA558
Inspector's Signature National Board, State, Province, and Endorsements
Date 21 May 19 90

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 Date February 20, 1991
Name
5000 Dominion Blvd Glen Allen, VA 23060 Address
Sheet 1 of 1
2. Plant North Anne Power Station Unit 1
Name
P.O. Box 402 Mineral, VA 23117 Address
ROR 90-126 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co Type Code Symbol Stamp N/A
Name
P.O. Box 402 Mineral, VA 23117 Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Charging
5. (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda 72, 81, 83(A), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 SP3

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	Rockwell Edwards	459417	N/A	1-CH-150	N/A	Replaced	NO
Valve	Conval	1605	N/A	1-CH-150	1990	Replacement	NO

7. Description of Work Replaced valve because it leaked by seat
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure 750 psig 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 Class 2

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

Owner or Owner's Designee, Title

Engr

Date Feb 27

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 of HARTFORD CT have inspected the components described in this Owner's Report during the period 1-26-91 to 2-8-91 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 any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Kevin P. Campbell
Inspector's Signature

Commissions

VA 743

National Board, State, Province, and Endorsements

Date

2-27

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 Date 04/25/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
- Repair/Replacement Program 90-255
Repair Organization P.O. No., Job No., etc.
- Authorization No. N/A
Expiration Date N/A
4. Identification of System Water Treatment
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 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2 in. Gate Valve	Vogt	214642	N/A	1-WT-482	N/A	Replaced	No
2 in. Gate Valve	Vogt	2-216149	N/A	1-WT-482	1990	Replacement	No

7. Description of Work Replaced valve, connecting piping, and 1 elbow - leaked by seat.
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. Relief from hydro per ASME Code Case N-416.
Applicable Manufacturer's Data Reports to be attached
Replaced 2 in. gate valve with exact replacement.
Replaced 8 inches of SA106 Gr. B connecting piping.
Replaced 1 90 degree SA105 elbow.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] SE TECHNICIAN Date 26 April, 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 Dec 1990 to 7 March 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 VA558
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 April, 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 Co Date July 11, 1990
Name
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA 23117 Bolt Paper 90-B007
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co Type Code Symbol Stamp N/A
Name Authorization No. N/A
P.O. Box 402 Mineral, VA 23117 Expiration Date N/A
Address
4. Identification of System Safety Injector
5. (a) Applicable Construction Code B 31.7 1969 Edition, W 70 Addenda 78, 83A, 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583

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	Southwest Fab	N/A	N/A	3-S2-256-153A-02 76		Replace studs	No
Flange	Southwest Fab	N/A	N/A	3-S2-256-153A-02 76		Replacement studs	No

7. Description of Work Replaced Flange Studs
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 132 psi Test Temp. 245 °F

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

FORM NIS-2 (Back)

9. Remarks Class 2
Replaced 4 5/8"-11x3 1/2" ASME SA193 Gr B7 studs
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE	
We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the ASME Code, Section XI. <small>repair or replacement</small>	
Type Code Symbol Stamp	<u>N/A</u>
Certificate of Authorization No.	<u>N/A</u>
Expiration Date	<u>N/A</u>
Signed <u>[Signature]</u> Owner or Owner's Designee, Title	Eng'r Date <u>July 11</u> 19 <u>90</u>

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 <u>VIRGINIA</u> and employed by <u>Harford Steam Boiler I & E CO.</u> of <u>Heath CT.</u> have inspected the components described in this Owner's Report during the period <u>21 March 1990</u> to <u>11 July 1990</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
<u>William C. Allen</u> Inspector's Signature	Commissions <u>1A 558</u> National Board, State, Province, and Endorsements
Date <u>11 July</u> 19 <u>90</u>	

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

1. Owner Virginia Electric & Power Company Date 05/23/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address

3. Work Performed by Virginia Electric & Power Company Repair/Replacement Program 90-B073
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address

4. Identification of System Main Steam

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1.5 in Valve	Vogt	N/A	N/A	1-MS-22	N/A	Replaced	No
1.5 in Valve	Vogt	N/A	N/A	1-MS-22	N/A	Replacement	No

7. Description of Work Replaced body to bonnet studs/nuts due to leakage.

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. Nominal operating pressure test not performed. DR submitted 9/8/91
Applicable Manufacturer's Data Reports to be attached
- Replaced 4 ASME SA193 Gr. B7 studs.
- Replaced 8 ASME SA194 Gr. 2H nuts.
- Valve was replaced 02/09/91 (Repair/Replacement Program 91-050). VT-2 performed

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J. P. Hamill ISI Engineer Date May 30, 19 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 7 Dec 1990 to 12 Dec 1990, 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.

Walter S. Hamill VA158
Inspector's Signature National Board, State, Province, and Endorsements

Date 31 May, 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 Date 05/22/91
Name
5000 Dominion Blvd, Glen Allen, VA, 23060
Address

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA, 23117
Address

3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd, Glen Allen, VA, 23060
Address

Authorization No. N/A
Expiration Date N/A

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 7B, 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 (Card No.)	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
4 in Gate Valve	Waiworth	D63552	N/A	1-CH-550	N/A	Replaced	No
4 in Gate Valve	Westinghouse	0011	N/A	1-CH-550	1977	Replacement	No

7. Description of Work Replaced 4 in. gate valve due to leakage.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Pressure 3419 psi Test Temp. 80 °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
Replaced 4 inch gate valve with acceptable replacement per EWR 90-342.

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 Technician Date 22 MAY 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 25 Sept 1990 to 23 Feb 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 VA558
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAY 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 Date 04/29/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Charging
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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	Pacific	46358	N/A	1-CH-P-1B	1972	Repaired	No

7. Description of Work Added additional weld to the pump lug weld and the fin block weld.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure psi Test Temp. °F VT-3

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
Added additional weld length to the pump alignment lug and the fin block welds
as per the manufacturers recommendation.
Replaced end plate on pump cradle with 5/8 in. gusset per EWR 91-017.

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 17 MAY, 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 28 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.

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

Date MAY 17, 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 Date 05/17/91
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1
2. Plant North Anne Power Station Unit 1
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-029
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code ASME III 19 68 Edition, W 1968 Addenda, 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
Heat Exchanger	Westinghouse	1263	68-69	1-RC-E-10	1971	Repair	Yes

7. Description of Work Welded tube plugs to prevent primary to secondary leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F Visual

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.
 Applicable Manufacturer's Data Reports to be attached
Welded tube plugs at locations R6 C17, R7 C74, R8 C75, R11 C81, and R8 C66
Plugs were welded due to removal of sections of tube.

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 19 May 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 Co. of
Hartford, CT have inspected the components described
 in this Owner's Report during the period 19 Feb 1991 to 27 Feb 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 515
 Inspector's Signature National Board, State, Province, and Endorsements

Date 19 May 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 Date 05/08/91
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
 2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral, VA. 23117
Address
 3. Work Performed by Virginia Electric & Power Company
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
 4. Identification of System Main Steam
 5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
Safety Valve	Crosby	N550044-00-0009	N/A	1-MS-SV-103C	N/A	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure VT, LP psi Test Temp. °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 5 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2,
Applicable Manufacturer's Data Reports to be attached
Machined valve seating surfaces to design tolerances,
Performed visual examination and liquid penetrant examination.

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 19 MAY 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 7 Jan 1991 to 7 March 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 any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions VB 555
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 MAY 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-034
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 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)
Safety Valve	Crosby	8550044-00-0014	N/A	1-MS-SV-105B	N/A	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F VT, LP

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Machined valve seating surfaces to design tolerances.
Performed visual examination and liquid penetrant examination.

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 19 MAY 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 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 29 Jan 91 to 2 March 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 VA558
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 MAY 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-035
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 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)
Safety Valve	Crosby	N530044-00-0015	N/A	1-ME-SV-105C	N/A	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Machined valve seating surfaces to design tolerances.
Performed visual examination and liquid penetrant examination.

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 CLC SA TURANKIAN Date 19 May, 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 & L Co. of
Hartford, CT have inspected the components described
in this Owner's Report during the period 29 JAN 1991 to 7 March 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.

W E Wilson Commissions NA 558
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 May, 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-036
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
Safety Valve	Crosby	N550044-00-0001	N/A	1-MS-SV-101A	N/A	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Machined valve seating surfaces to design tolerances.
Performed visual examination and liquid penetrant examination.

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 Nr. N/A Expiration Date N/A

Signed [Signature] SR Technician Date 22 May 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 29 Jan 1991 to 7 March 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 VAJ38
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 May 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

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 05/09/91
Sheet 1 of 1
Unit 1

Repair/Replacement Program 91-037
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 Main Steam

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Safety Valve	Crosby	N55044-00-0006	N/A	1-MS-SV-102C	1973	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2. Applicable Manufacturer's Data Reports to be attached
Machined valve seating surfaces to design tolerances.
Performed visual examination and liquid penetrant examination.

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 22 MAY 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 Jan 29 1991 to 2 March 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 VB158
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAY 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 Date 05/09/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23112
Address
Repair/Replacement Program B1-D33
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 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)
Safety Valve	Crosby	N55044-00-0013	N/A	1-MS-SV-105A	1970	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pre-sure _____ psi Test Temp. _____ °F VT, LP

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Machined valve seating surfaces to design tolerances.
Performed visual examination and liquid penetrant examination.

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 CLP SR Technician Date 19 May 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 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 29 Jan 1991 to 7 March 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.

W E H Commissions VA ISS
 Inspector's Signature National Board, State, Province, and Endorsements

Date 19 May 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 Date 05/22/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 7B, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 & 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)
Safety Valve	Crosby	N55044-00-0005	N/A	1-MS-SV-102B	1970	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure VT, LP psi Test Temp. °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2.
Applicable Manufacturer's Data Reports to be attached
Machined valve seating surfaces to design tolerances.
Performed visual examination and liquid penetrant examination.

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 CLC SR Technician Date 22 May, 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 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 29 Jan 1991 to 7 March 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. Rhee Commissions VA 558
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 May, 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-040
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 & 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)
Safety Valve	Crosby	N550044-00-0002	N/A	1-MS-SV-101B	N/A	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Machined valve seating surfaces to design tolerances.
Performed visual examination and liquid penetrant examination.

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 19 May 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 29 Jan 1991 to 7 March 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 UASIS
 Inspector's Signature National Board, State, Province, and Endorsements

Date 17 May 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 Date 05/17/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address

3. Work Performed by Virginia Electric & Power Company Repair/Replacement Program 91-042
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 Component Cooling

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 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)
6 in. check vlv	Mission	N/A	N/A	1-CC-572	N/A	Replaced	No
6 in. check vlv	C&S Valve Co.	90-1168-01Q-02	N/A	1-CC-572	1990	Replacement	No

7. Description of Work Replaced valve - failed Type C - leaked by seat.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Replaced valve with exact replacement.

CERTIFICATE OF COMPLIANCE

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

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

Signed [Signature] SR TECHNICIAN Date 19 May 19 91
 Owner or Owner's Designee, Title

CERTIFICATE OF INTERSERVICE 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 1991 to 7 March 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 19558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 19 May 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 Date 05/17/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-041
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System Component Cooling

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 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)
6 in. check vlv	Mission	N/A	N/A	1-CC-559	N/A	Replaced	No
6 in. check vlv	C&S Valve Co.	90-1168-010-04	N/A	1-CC-559	1990	Replacement	No

7. Description of Work Replaced valve - failed Type C - leaked by seat.

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 II

Applicable Manufacturer's Data Reports to be attached

Replaced valve with exact replacement.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/A

Signed

SR TECHNICIANDate 19 MAY19 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 4 Feb 1991 to 7 March 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. H.
Inspector's Signature

Commissions

VATSY
National Board, State, Province, and Endorsements

Date 19 MAY 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 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)
Safety Valve	Crosby	N550044-00-0008	N/A	1-MS-SV-103B	N/A	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F VT, LP

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Machined valve seating surfaces to design tolerances.
Performed visual examination and liquid penetrant examination.

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 19 May, 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 29 Jan 1991 to 7 March 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 UAT55
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 May, 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 Date 05/09/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-048
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.7 19 69 Edition, 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)
Safety Valve	Crosby	N55044-00-0011	N/A	1-MS-SV-104B	1970	Repair	No

7. Description of Work Machined valve seating surfaces to design tolerances.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Machined valve seating surfaces to design tolerances.Performed visual examination and liquid penetrant examination.

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/ACertificate of Authorization No. N/AExpiration Date N/A

Signed

SR TECHNICIAN
Owner or Owner's Designee, Title

Date

19 May1991

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 7 Jan 1991 to 7 March 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.

Walter E. H. H.
Inspector's Signature

Commissions

VA 558

National Board, State, Province, and Endorsements

Date

19 May1991

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

1. Owner Virginia Electric & Power Company Date 04/25/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-050
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 & 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)
Globe Valve.	Vogt	SW-12141	N/A	1-MS-22	N/A	Replaced	No
Globe Valve	Conval Inc.	1162	N/A	1-MS-22	1986	Replacement	No

7. Description of Work Replaced 1 1/2 in. globe valve - leaked by seat.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 1 1/2 in. globe valve
Relief from hydro per ASME Code Case N-416.

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] Date 26 APRIL 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 5 Feb 1991 to 7 MARCH 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. Hester Commissions 19558
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 April 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 Co Date February 29, 1991
Name
5000 Dominion Blvd. Glen Allen, VA 23060 Address
Sheet 1 of 1
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA 23117 Address
R&R 91-055 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric Power Co Type Code Symbol Stamp NA
Name
P.O. Box 402 Mineral, VA 23117 Address
Authorization No. NA
Expiration Date NA
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda 74, 81, 83(R), 15 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Restraint</u>	<u>Gairrell</u>	<u>NA</u>	<u>NA</u>	<u>1-SI-R-15</u>	<u>NA</u>	<u>Replacement Snap Ring</u>	<u>No</u>

7. Description of Work Installed missing snap ring
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F
VT-3

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

FORM NIS-2 (Back)

9. Remarks

ASME Class 1

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

Owner or Owner's Designee, Title

Signed Date Feb 2119 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 VERMONT and employed by H.S.B. & I Co of Wentworth CT have inspected the components described in this Owner's Report during the period 12 Feb 1991 to 14 Feb 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. White

Inspector's Signature

Commissions

VA555

National Board, State, Province, and Endorsements

Date

21 Feb19 91

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

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

Date 05/17/91

Sheet 1 of 1

Unit 1

Repair/Replacement Program 91-058

Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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)
Constant Supp.	Grinnell	N/A	N/A	1-RC-SH-18	N/A	Replaced	No
Constant Supp.	Grinnell	N/A	N/A	1-RC-SH-18	N/A	Replacement	No
Spring Support	Grinnell	N/A	N/A	1-RC-SH-17	N/A	Replaced	No
Spring Support	Grinnell	N/A	N/A	1-RC-SH-17	N/A	Replacement	No

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F VT-3

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 (NF).

Applicable Manufacturer's Data Reports to be attached

Each support - Replaced 4 ASME SA193 Gr. B7 cap screws.

Each support - Replaced 8 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
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]

Owner or Owner's Designee, Title

Date 19 May

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 15 Feb 1991 to 18 Feb 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]
Inspector's Signature

Commissions VR558

National Board, State, Province, and Endorsements

Date 19 May

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 Date 05/07/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address Repair/Replacement Program 91-060
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address Authorization No. N/A
Expiration Date N/A
4. Identification of System Charging
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 § 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)
Restraint	Grinnell	N/A	N/A	1-CH-R-2	N/A	Replaced	No
Restraint	Grinnell	N/A	N/A	1-CH-R-2	N/A	Replacement	No

7. Description of Work Replaced 4 lock nuts - rejected by NDE.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Replaced 4 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 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] Sp Technician
Owner or Owner's Designee, Title

Date 19 May, 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 15 Feb 1991 to 26 Feb 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]
Inspector's Signature

Commissions 21558
National Board, State, Province, and Endorsements

Date 19 May, 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 Date 05/07/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-061
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Charging
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)
Restraint	Grinnell	N/A	N/A	1-CH-R-6	N/A	Replaced	No
Restraint	Grinnell	N/A	N/A	1-CH-R-6	N/A	Replacement	No

7. Description of Work Replaced 4 lock nuts - rejected by NDE.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure psi Test Temp. °F VT-3

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 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 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed CLP SR TECHNICIAN Date 17 May 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 Feb 1991 to 23 Feb 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. Nite Commissions VA558
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 May 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 Date 05/07/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address Repair/Replacement Program 91-062
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System Charging

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 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)
Restraint	Grinnell	N/A	N/A	1-CH-R-B	N/A	Replaced	No
Restraint	Grinnell	N/A	N/A	1-CH-R-B	N/A	Replacement	No

7. Description of Work Replaced 4 lock nuts - rejected by NDE.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F VT-3

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.
Applicable Manufacturer's Data Reports to be attached
Replaced 4 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
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 17 MAY, 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 15 Feb 1991 to 23 Feb 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 VA158
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 MAY, 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 Date 05/17/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Sheet 1 of 1
Name
P.O. Box 402 Mineral, VA. 23117 Unit 1
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code ASME III 19 68 Edition, W 1968 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)
Heat Exchanger	Westinghouse	1262	68-68	1-RC-E-1B	1971	Repair	Yes

7. Description of Work Welded tube plugs to prevent primary to secondary leakage.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F Visual

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 1.

Applicable Manufacturer's Data Reports to be attached

Welded tube plugs (hot leg side only) at locations R11 C14, R20 C40, and R22 C49Plugs were welded due to removal of sections of tube.

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/ACertificate of Authorization No. N/AExpiration Date N/ASigned [Signature] SRT Technician
Owner or Owner's Designee, TitleDate 19 May, 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 7 Feb 1991 to 27 Feb 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]
Inspector's Signature

Commissions

VA 558
National Board, State, Province, and EndorsementsDate 19 May, 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 Date 05/15/91
 Name
 5000 Dominion Blvd. Glen Allen, VA. 23060
 Address
2. Plant North Anna Power Station Unit 1
 Name
 P.O. Box 402 Mineral, VA. 23117
 Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
 Name
 5000 Dominion Blvd. Glen Allen, VA. 23060
 Address
4. Identification of System Service Water
 Repair/Replacement Program 91-067
 Repair Organization P.O. No., Job No., etc.
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 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)
16 in check vlv	Mission	N/A	N/A	1-SW-150	N/A	Replaced	No
16 in check vlv	Mission	CA-4557	N/A	1-SW-150	1985	Replacement	No

7. Description of Work Replaced 16 in. check valve 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.

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2. VT-1 examination of bolting NOT required by ASME XI was
Applicable Manufacturer's Data Reports to be attached
performed by a Level I examiner. Replaced 16 in. check valve with exact
replacement. Replaced 16 ASME SA193 Gr. B7 studs.
Replaced 32 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
ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed SR Technician Date 16 May, 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 19 Feb 1991 to 26 Feb 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 H. H. Commission: VA578
Inspector's Signature National Board, State, Province, and Endorsements

Date 16 May, 19 91

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 4021, Henric, VA. 23117
Address

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

4. Identification of System Service Water

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

Date 05/15/91

Sheet 1 of 1

Unit 1

Repair/Replacement Program 91-069
Repair Organization P.O. No., Job No., etc.

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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)
16 in check vlv	Mission	N/A	N/A	1-SW-120	N/A	Replaced	No
16 in check vlv	Mission	CA 454	N/A	1-SW-120	1985	Replacement	No

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

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

FORM M'S-2 (Back)

9. Remarks ASME XI Class 2, VT-1 examination of bolting NOT required by ASME XI was
Applicable Manufacturer's Data Reports to be attached
performed by a Level I examiner. Replaced 16 in. check valve with exact
replacement. Replaced 16 ASME SA193 Gr. B7 studs.
Replaced 32 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
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] Se Technician Date 16 May 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 21 Feb 1991 to 26 Feb 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 U-158
Inspector's Signature National Board, State, Province, and Endorsements

Date 16 May 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 Date 05/15/91
5000 Dominion Blvd. Glen Allen, VA. 23060
 Address
2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral, VA. 23117
 Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Service Water
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
16 in check vlv	Mission	49232	N/A	1-SW-130	N/A	Replaced	No
16 in check vlv	Mission	CA-455	N/A	1-SW-130	1985	Replacement	No

7. Description of Work Replaced 16 in. check valve due to internal 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.

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2, VT-1 examination of bolting NOT required by ASME XI was
Applicable Manufacturer's Data Reports to be attached
performed by a Level 1 examiner. Replaced 16 in. check valve with exact
replacement. Replaced 16 ASME SA193 Gr. B7 studs.
Replaced 32 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
 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed SA TECHNICAL Date 16 May, 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 21 Feb 1991 to 26 Feb 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. Hester Commissions PA 558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 16 May, 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 Date 05/15/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
 Repair/Replacement Program 91-071
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System Service Water
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 § 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)
16 in check vlv	Mission	49230	N/A	1-SW-140	N/A	Replaced	No
16 in check vlv	Mission	CA-456	N/A	1-SW-140	1985	Replacement	No

7. Description of Work Replaced 16 in. check valve 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.

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2. VT-1 examination of bolting NOT required by ASME XI was
Applicable Manufacturer's Data Reports to be attached
performed by a Level I examiner. Replaced 16 in. check valve with exact
replacement. Replaced 16 ASME SA193 Gr. B7 studs.
Replaced 32 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
 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 16 May 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 21 Feb 1991 to 26 Feb 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 114538
 Inspector's Signature National Board, State, Province, and Endorsement

Date 16 May 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 Date 04/25/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Refueling Purification
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)
6 in. Dia. Vlv.	Grinnell	N/A	N/A	1-RP-6	N/A	Replaced	No
6 in. Dia. Vlv.	Grinnell	N/A	N/A	1-RP-6	N/A	Replacement	No

7. Description of Work Replaced bonnet 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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced valve bonnet with exact replacement - serial number 89-58191-1-1.
Replaced 10 SA 193 Gr. B7 studs.
Replaced 10 ASME SA 194 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 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] SE TECHNICIAN Date 26 April 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 13 Feb 1991 to 28 Feb 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 VA158
Inspector's Signature National Board, State, Province, and Endorsements

Date 26 April 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 Date 04/18/91
5000 Dominion Blvd. Glen Allen, VA. 23060
 Name Address Sheet 1 of 1
2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral, VA. 23117
 Name Address Repair/Replacement Program 91-074
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
5000 Dominion Blvd. Glen Allen, VA. 23060
 Name Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System 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 § 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-SH-1B	N/A	Replaced	No
Spring hanger	Grinnell	N/A	N/A	1-RC-SH-1B	N/A	Replacement	No

7. Description of Work Replaced bent tension rod - rejected by NDE.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F VT-3

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 ASTM-A36-B9 tension rod - exact replacement.
Replaced 4 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
 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill, ISI Engineer Date 19
 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 Feb 91 to 2 March 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 any personal injury or property damage or a loss of any kind arising from or connected with this
 inspection.

William E. Hamill Commissions VA, CT
 Inspector's Signature National Board, State, Province, and Endorsements

Date 13 May 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 Date 04/18/91
5000 Dominion Blvd. Glen Allen, VA. 23060
 Address Sheet 1 of 1
 2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral, VA. 23117
 Address Repair/Replacement Program 91-076
 Repair Organization P.O. No., Job No., etc.
 3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A
 Address Expiration Date N/A
 4. Identification of System Charging
 5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 78, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 & 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)
Restraint	N/A	N/A	N/A	1-CH-R-3	N/A	Replaced	No
Restraint	N/A	N/A	N/A	1-CH-R-3	N/A	Replacement	No

7. Description of Work Replaced cap screws and lock nuts - rejected by NDE.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F VT-3

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

FORM NIS-2 (Back)

G. Remarks ASME XI Class 1.
Applicable Manufacturer's Data Reports to be attached
Replaced 4 ASTM A193 Gr. B7 cap screws.
Replaced 8 ASTM A194 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
 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill ISI Engineer Date 4/23 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 26 Feb 1991 to 27 Feb 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 any personal injury or property damage or a loss of any kind arising from or connected with this
 inspection.

William E. Hamill Commissions VA556
 Inspector's Signature National Board, State, Province, and Endorsements

Date 23 April 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 Date 5-30-91
Name
5000 Dominion Blvd., Glen Allen, VA 23060 Sheet 1 of 1
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402, Mineral, VA 23117 Repair/Repl. Programs 91-077, A, B
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name Authorization No. N/A
5000 Dominion Blvd., Glen Allen, VA 23060 Expiration Date N/A
Address
4. Identification of System Reactor Coolant (RC)
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 19.83.5.83 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 Restraint online 4" RC-14-1502-Q1	Grinnell	N/A	N/A	1-RC-R-52	N/A	Replaced	No
Pipe Restraint online 4" RC-14-1502-Q1	Grinnell	N/A	N/A	1-RC-R-52	N/A	Replacement	No

7. Description of Work Replaced spacer and bolting material on restraint.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F VT-3

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

FORM NIS-2 (Back)

9. Remarks ASME Class 1 (NF). Based on documentation provided with Work
Order 122703 it is not possible to determine exactly which items on restraint
1-RG-R-52 were replaced or installed. The support has been determined to
be operable but a reinspection will be performed during the next refueling
outage. DR submitted. 91-809.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J. P. Hamill ISI Engineer Date May 30 19 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 CO. of
HARTFORD CT. have inspected the components described
 in this Owner's Report during the period 26 Feb 1991 to , and state that
 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
 Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 31 May 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 Date 04/17/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-078
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
Restraint	N/A	N/A	N/A	1-RC-R-1	N/A	Replaced	No
Restraint	N/A	N/A	N/A	1-RC-R-1	N/A	Replacement	No

7. Description of Work Replaced missing locknuts and realigned pipe clamp - rejected by NDE.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F VT-3

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 (NF).
Applicable Manufacturer's Data Reports to be attached
Replaced 4 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
 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill, ISC Engineer Date 4/24 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 26 Feb 1991 to 28 Feb 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 C. Miller Commissions VA 558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 24 April 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 Date 05/23/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Repair/Replacement Program 91-081
Name Repair Organization P.O. No., Job No., etc.
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 Fire Protection
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 & 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)
4 in Check Vlv	Mission	N/A	N/A	1-FP-272	N/A	Replaced	No
4 in Check Vlv	Mission	G-4151	N/A	1-FP-272	1980	Replacement	No

7. Description of Work Replaced valve - Failed Type C.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F Type C Leak Rate _____

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. Replaced with commercial grade valve upgraded to Safety Related
Applicable Manufacturer's Data Reports to be attached
(Class 2) per PTE NA-91-00123. Hydrostatic test for upgrade did not meet design
requirement - hydro will be performed next refueling outage. Nominal operating
pressure test not performed - to be performed next refueling outage.

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 CLL S. TECHANIAN Date 23 May 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 5 March 1991 to 5 March 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.

Walter E. Hite Commissions VA, TX
 Inspector's Signature National Board, State, Province, and Endorsements

Date 23 May 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 Co Date February 19, 1991
5000 Dominion Blvd Glen Allen VA 23060 Sheet 1 of 1
 Address
2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral VA 23117 Bolting Program 91-8001
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric Power Co Type Code Symbol Stamp N/A
P.O. Box 402 Mineral VA 23117 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code B31.1 1969 Edition, W70 Addenda 78, 81, 83(A), 15 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983-83
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)
10" Control Valve Flange	N/A	N/A	N/A	1-RH-HLV-1758	N/A	Replaced studs & nuts	No
10" Control Valve Flange	N/A	N/A	N/A	1-RH-HLV-1758	N/A	Replacement studs & nuts	No

7. Description of Work Replaced studs & nuts because of material corrosion
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2
Applicable Manufacturer's Data Reports to be attached
16 1 1/8" - 8 x 18" ASME SA193gAB7 or ASTM A193gAB7 studs
33 1 1/2" - 8 ASME SA194gA2H nuts

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] Date Feb 26, 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 & E of HARTFORD CT. have inspected the components described in this Owner's Report during the period 2-2-91 to 2-20-91, 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 any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions VA 743
Inspector's Signature National Board, State, Province, and Endorsements
Date 2-26, 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 Date 05/07/91
5000 Dominion Blvd. Glen Allen, VA. 23060
 Name Address Sheet 1 of 1
2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral, VA. 23117
 Name Address Repair/Replacement Program 91-B003
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
5000 Dominion Blvd. Glen Allen, VA. 23060
 Name Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System: Component Cooling
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)
6 in. check vlv	Mission	N/A	N/A	1-CC-572	N/A	Replaced	No
6 in. check vlv	C&S Valve Co.	90-116B-010	N/A	1-CC-572	1990	Replacement	No

7. Description of Work Replaced valve to flange studs and nuts. Valve was replaced.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 8 ASME SA193 C., B7 studs.
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
 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill, ISI Engineer Date 13 May, 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 24 Jan 91 to 7 March 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 S. Kline Commissions VA558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 13 May, 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	Date	04/16/91
	Name		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet	1 of 1
	Address		
2. Plant	North Anna Power Station	Unit	1
	Name		
	P.O. Box 402 Mineral, VA. 23117		Repair/Replacement Program 91-B010
	Address		Repair Organization P.O. No., Job No., etc.
3. Work Performed by	Virginia Electric & Power Company	Type Code Symbol Stamp	N/A
	Name	Authorization No.	N/A
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date	N/A
	Address		
4. Identification of System	Safety Injection		
5. (a) Applicable Construction Code	B31.7	19	69 Edition, W 1970 Addenda, 78, 81, 83(R), 115
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements	19 83 5 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	Southwest Fab.	N/A	N/A	1-S1-MOV-1885B	N/A	Replaced	No
Valve	Southwest Fab.	N/A	N/A	1-S1-MOV-1885B	N/A	Replacement	No

7. Description of Work Replaced studs and nuts on flange downstream of 1-S1-MOV-1885B.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2,
Applicable Manufacturer's Data Reports to be attached
Replaced 4 ASME SA 193 Gr. B7 studs,
Replaced 8 SA 194 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
 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization N/A Expiration Date N/A

Signed J.P. Hamill, ISI Engineer Date 20 May, 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 11 Sept 1990 to 2 March 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 Elkh Commissions VA 558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 20 May, 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 Date 04/24/91
5000 Dominion Blvd. Glen Allen, VA. 23060
 Name Address
2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral, VA. 23117
 Name Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A
 Name Address 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
 (c) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
3 in. gate valve	Velan	N/A	N/A	1-SI-MOV-1836	N/A	Replaced	No
3 in. gate valve	Velan	N/A	N/A	1-SI-MOV-1836	N/A	Replacement	No

7. Description of Work Replaced 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.

FORM NIS-2 (Back)

D. Remarks ASME XI Class 2

Applicable Manufacturer's Data Reports to be attached

Replaced 12 3/4 in. x 10 x 5 in. ASTM A193 Gr B7 studs.Replaced 12 3/4 in. x 10 ASME SA 194 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
 ASME Code, Section XI. repair or replacement

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

Signed [Signature] Date 4/24, 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 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 23 AUGUST 1990 to 24 FEBRUARY 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 VA558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 24 April, 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 Co Date February 20, 1991
Name
3000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA 23117 Beltway Program 91-B013
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co Type Code Symbol Stamp N/A
Name
P.O. Box 402 Mineral, VA 23117 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code B31.7 1969 Edition, W70 Addenda 78, 81, 83, 84, 85 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583
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 Stamp (Yes or No)
Flange, 14"	N/A	N/A	N/A	1-BH-PP-Nuc	N/A	Replaced studs & nuts	No
Flange, 14"	N/A	N/A	N/A	1-BH-PP-Nuc	N/A	Replacement studs & nuts	No

7. Description of Work Replaced studs & nuts because of material corrosion
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

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

20 1 1/2" - 8 x 10 1/4" ASTM A193 gr B7 studs

40 1 1/2" - 8 ASME SA194 gr 7 nuts

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]
 Owner or Owner's Designee, Title

Eng'd Date Feb 26, 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 of HARTFORD CT. have inspected the components described in this Owner's Report during the period 2-3-91 to 2-13-91, 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 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 743
 National Board, State, Province, and Endorsements

Date 2-26, 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 Date 05/08/91
 Name
5000 Dominion Blvd. Glen Allen, VA. 23060
 Address
2. Plant North Anna Power Station Unit 1
 Name
P.O. Box 402 Mineral, VA. 23117
 Address
 Repair/Replacement Program 91-B01B
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
 Name
5000 Dominion Blvd. Glen Allen, VA. 23060
 Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, B1, B3(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)
Safety Valve	Crosby	N550044-00-0001	N/A	1-MS-SV-101A	N/A	Replaced	No
Safety Valve	Crosby	N550044-00-0001	N/A	1-MS-SV-101A	N/A	Replacement	No

7. Description of Work Valve removed for testing - replaced inlet flange studs and nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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] SA TECHNICIAN Date 22 MAR 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 7 JAN 1991 to 7 MARCH 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] WAS 58
Inspector's Signature National Board, State, Province, and Endorsements

Date 22 MAY 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1
2. Plant North Anna Power Station Un 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-B019
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 7B, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 & 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)
Safety Valve	Crosby	N550044-00-0002	N/A	1-MS-SV-101B	N/A	Replaced	No
Safety Valve	Crosby	N550044-00-0002	N/A	1-MS-SV-101B	N/A	Replacement	No

7. Description of Work Valve removed for testing - replaced inlet flange studs and nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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] SATTECHNICIAN Date 19 May 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 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 7 Jan 1991 to 7 March 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 STB
Inspector's Signature National Board State, Province, and Endorsements

Date 19 May 1991

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

As Required by the Provision of the ASME Code Section XI

1. Owner Virginia Electric & Power Company Date 05/09/91
5000 Dominion Blvd. Glen Allen, VA. 23060
 Name Address Sheet 1 of 1
2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral, VA. 23117
 Name Address Repair/Replacement Program 91-BD20
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
5000 Dominion Blvd. Glen Allen, VA. 23060
 Name Address Authorization No. N/A
 Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
Safety Valve	Crosby	N55044-00-0003	N/A	1-MS-SV-101C	1970	Replaced	No
Safety Valve	Crosby	N55044-00-0003	N/A	1-MS-SV-101C	1970	Replacement	No

7. Description of Work Valve removed for testing - replaced studs and nuts.

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

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

Applicable Manufacturer's Data Reports to be attached

Replaced 12 ASME SA193 Gr. B7 studs.

Replaced 24 ASME SA194 Gr. 7 nuts.

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

Type Code: Symbol Stamp _____ N/A

Certificate of Authorization No. _____ N/A

Expiration Date _____ N/A

Signed _____

Owner or Owner's Designee, Title

Date 19 May, 1991

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. or Hartford, CT. have inspected the components described in this Owner's Report during the period 7 Jan 1991 to 7 March 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, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

W. A. R. R.
Inspector's Signature

Commissions

VA158
National Board, State, Province, and Endorsements

Date 19 May 1971

FORM NIS-1 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Virginia Electric & Power Company Date 05/08/91
Name
5000 Dominion Blvd, Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd, Glen Allen, VA. 23060
Address
- Repair/Replacement Program 91-8021
Repair Organization P.O. No., Job No., etc.
- Authorization No. N/A
Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 7B, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1: 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Safety Valve	Crosby	N550044-00-0004	N/A	1-MS-SV-102A	N/A	Replaced	No
Safety Valve	Crosby	N550044-00-0004	N/A	1-MS-SV-102A	N/A	Replacement	No

7. Description of Work Valve removed for testing - replaced inlet flange studs and nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed S.P. Hamill, ISI Engineer Date 16 May, 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 7 JAN 1991 to 7 MARCH 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. Hamill Commissions VA-556
Inspector's Signature National Board, State, Province, and Endorsements

Date 16 MAY, 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 Date 05/09/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address

3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
Safety Valve	Crosby	N55044-00-0005	N/A	1-MS-SV-102B	1970	Replaced	No
Safety Valve	Crosby	N55044-00-3005	N/A	1-MS-SV-102B	1970	Replacement	No

7. Description of Work Valve removed for testing - replaced studs and nuts.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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 Report: to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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 CLP Sr. Technician Date 22 May, 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 7 Jan 1991 to 7 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.

Walter E. E. E. Commissions UAS-58
 Inspector's Signature National Board, State, Province, and Endorsements

Date 22 May, 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 Date 05/09/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060 Sheet 1 of 1
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117 Repair/Replacement Program 91-B023
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, 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)
Safety Valve	Crosby	N55044-00-0006	N/A	1-MS-SV-102C	1970	Replaced	No
Safety Valve	Crosby	N55044-00-0006	N/A	1-MS-SV-102C	1970	Replacement	No

7. Description of Work Valve removed for testing - replaced studs and nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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] SP Technician Date 22 May, 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 7 JAN 1991 to 7 MARCH 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 22 May, 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
Safety Valve	Crosby	N550044-00-0007	N/A	1-MS-SV-103A	N/A	Replaced	No
Safety Valve	Crosby	N550044-00-0007	N/A	1-MS-SV-103A	N/A	Replacement	No

7. Description of Work Valve removed for testing - replaced inlet flange studs and nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J.P. Hamill, ISI Engineer Date 15 MAY, 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 7 JAN 1991 to 7 MARCH 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.

Walter E. H. Commissions MASS
Inspector's Signature National Board, State, Province, and Endorsements

Date 15 MAY 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060 Sheet 1 of 1
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117 Repair/Replacement Program 91-8025
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 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)
Safety Valve	Crosby	N550044-00-0008	N/A	1-MS-SV-1038	N/A	Replaced	No
Safety Valve	Crosby	N550044-00-0008	N/A	1-MS-SV-1038	N/A	Replacement	No

7. Description of Work Valve removed for testing - replaced inlet flange studs and nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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 TECHNICIAN Date 19 MAY 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 7 JAN 1991 to 7 MARCH 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 VA556
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 MAY 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Main Steam
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)
Safety Valve	Crosby	N550044-00-0009	N/A	1-MS-SV-103C	N/A	Replaced	No
Safety Valve	Crosby	N550044-00-0009	N/A	1-MS-SV-103C	N/A	Replacement	No

7. Description of Work Valve removed for testing - replaced inlet flange studs and nuts.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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 TECHNICIAN Date 19 MAY 19 91
Owner or Owner's Designer, 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 7 Jan 1991 to 7 March 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 VATTS
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 MAY 19 91

1. Owner Virginia Electric & Power Company Date 05/09/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Sheet 1 of 1
Name Unit 1
P.O. Box 402 Mineral, VA. 23117
Address Repair/Replacement Program 91-B027
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name Authorization No. N/A
5000 Dominion Blvd. Glen Allen, VA. 23060 Expiration Date N/A
Address
4. Identification of System Main Steam
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 83 Addenda

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)
Safety Valve	Crosby	N55044-00-0010	N/A	1-MS-SV-104A	1970	Replaced	No
Safety Valve	Crosby	N55044-00-0010	N/A	1-MS-SV-104A	1970	Replacement	No

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 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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 CLM SATECHNICIAN Date 19 MAY, 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 7 Jun 1991 to 7 March 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.

Walter E. Etkin Commissions VA 555
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 MAY, 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	Date	05/09/91
	Name		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet	1 of 1
	Address		
2. Plant	North Anna Power Station	Unit	1
	Name		
	P.O. Box 402 Mineral, VA. 23117		Repair/Replacement Program 91-B02B
	Address		Repair Organization P.O. No., Job No., etc.
3. Work Performed by	Virginia Electric & Power Company	Type Code Symbol Stamp	N/A
	Name	Authorization No.	N/A
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date	N/A
	Address		
4. Identification of System	Main Steam		
5. (a) Applicable Construction Code	B31.7	19	69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements	19	83 & 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)
Safety Valve	Crosby	N55044-00-0011	N/A	1-MS-SV-104B	1970	Replaced	No
Safety Valve	Crosby	N55044-00-0011	N/A	1-MS-SV-104B	1970	Replacement	No

7. Description of Work Valve removed for testing - replaced studs and nuts.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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 Colin S. Technician Date 19 May, 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 7 Jan 1991 to 7 March 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.

Walter S. Hahn Commissions UAS55
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 May, 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 Date 05/08/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-B029
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.7 19 69 Edition, 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)
Safety Valve	Crosby	N550044-00-0012	N/A	1-MS-SV-104C	N/A	Replaced	No
Safety Valve	Crosby	N550044-00-0012	N/A	1-MS-SV-104C	N/A	Replacement	No

7. Description of Work Valve removed for testing - replaced inlet flange studs and nuts.

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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 ASME SA193 Gr. B7 studs.Replaced 24 ASME SA193 Gr. 7 nuts.

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/ACertificate of Authorization No. N/AExpiration Date N/A

Signed J. P. Hamell, ISI Engineer Date 16 MAY, 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 7 Jan 1991 to 7 March 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 S. Hamell Commissions VA558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 16 MAY 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	05/09/91
2. Plant	North Anna Power Station Name P.O. Box 402 Mineral, VA. 23117 Address	Sheet	1 of 1
3. Work Performed by	Virginia Electric & Power Company Name 5000 Dominion Blvd. Glen Allen, VA. 23060 Address	Unit	1
4. Identification of System	Main Steam	Repair/Replacement Program	91-B030
		Repair Organization P.O. No., Job No., etc.	
		Type Code Symbol Stamp	N/A
		Authorization No.	N/A
		Expiration Date	N/A
5. (a) Applicable Construction Code	831.7	19 69 Edition	W 1970
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements	19 83 S 83	Addenda	78, 81, 83(R), 115

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)
Safety Valve	Crosby	N55044-00-0013	N/A	1-MS-SV-105A	1970	Replaced	No
Safety Valve	Crosby	N55044-00-0013	N/A	1-MS-SV-105A	1970	Replacement	No

7. Description of Work Valve removed for testing - replaced studs and nuts.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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 TECHNICIAN Date 19 MAY, 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 7 JAN 1991 to 7 MARCH 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 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 19 MAY, 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 Date 05/08/91
Name
500L Dominion Blvd. Glen Allen, VA. 23060
Address

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address

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

4. Identification of System Main Steam

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 B3 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)
Safety Valve	Crosby	N550044-00-0014	N/A	1-MS-SV-105B	N/A	Replaced	No
Safety Valve	Crosby	N550044-00-0014	N/A	1-MS-SV-105B	N/A	Replacement	No

7. Description of Work Valve removed for testing - replaced inlet flange studs and nuts.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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 CLC SR TECHNICIAN Date 19 MAY, 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 7 JAN 1991 to 7 March 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 C. [Signature] Commissions UB 558
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 MAY, 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	05/08/91
2. Plant	North Anna Power Station Name P.O. Box 402 Mineral, VA. 23117 Address	Sheet	1 of 1
3. Work Performed by	Virginia Electric & Power Company Name 5000 Dominion Blvd. Glen Allen, VA. 23060 Address	Unit	1
4. Identification of System	Main Steam	Repair/Replacement Program	91-B032
		Repair Organization P.O. No., Job No., etc.	
		Type Code Symbol Stamp	N/A
		Authorization No.	N/A
		Expiration Date	N/A
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)
Safety Valve	Crosby	N550044-00-0015	N/A	1-MS-SV-105C	N/A	Replaced	No
Safety Valve	Crosby	N550044-00-0015	N/A	1-MS-SV-105C	N/A	Replacement	No

7. Description of Work Valve removed for testing - replaced inlet flange studs and nuts.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 24 ASME SA194 Gr. 7 nuts.

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 TECHNICIAN Date 19 May 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 7 Jan 1991 to 7 March 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 55
Inspector's Signature National Board, State, Province, and Endorsements

Date 19 May 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 Co Date February 20, 1991
Name
5000 Dominion Blvd Glen Allen, VA 23060 Sheet 1 of 1
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA 23117 Bolting Program 91-B034
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co Type Code Symbol Stamp N/A
Name
P.O. Box 402 Mineral, VA 23117 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda 78, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983 583
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>12" MOV Valve</u>	<u>Aloyco</u>	<u>N/A</u>	<u>N/A</u>	<u>1-31-MOV-1860A</u>	<u>N/A</u>	<u>Replaced studs & nuts</u>	<u>No</u>
<u>12" MOV Valve</u>	<u>Aloyco</u>	<u>N/A</u>	<u>N/A</u>	<u>1-31-MOV-1860A</u>	<u>N/A</u>	<u>Replacement studs & nuts</u>	<u>No</u>

7. Description of Work Replaced studs & nuts because they were unsuit following removal and visual exam.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2
Applicable Manufacturer's Data Reports to be attached
20 3/4"-10x7" ASME SA193 ga B7 studs
40 3/4"-10 ASME SA194 ga 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 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]
Owner or Owner's Designee, Title

Engr Date Feb 27, 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 of HARTFORD CT. have inspected the components described in this Owner's Report during the period 1-20-91 to 2-11-91, 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 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 743
National Board, State, Province, and Endorsements

Date 2-27, 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 Co Date February 20, 1991
Name
5000 Dominion Blvd Glen Allen VA 23060 Sheet 1 of 1
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral VA 23117 Balting Program 91-0037
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric Power Co Type Code Symbol Stamp N/A
Name
P.O. Box 402 Mineral VA 23117 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda 78, 81, 83(R), 112 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
12" Check Valve	Aloyco	70A631-1-3	N/A	1-SI-1		Replaced	
12" Check Valve	Aloyco	70A631-1-3	N/A	1-SI-1		N/A studs & Nuts, Replacement	No

7. Description of Work Replaced studs and nuts because of material corrosion
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME Class 2
Applicable Manufacturer's Data Reports to be attached
16 3/4" - 10 x 5" ASME SA 193 gAB7 or ASTM A193 gAB7 studs.
32 3/4" - 10 ASME SA 194 gA2H

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

Signature [Signature]
Owner or Owner's Designee, Title

Eng. Date Feb 26, 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 of HARTFORD CT. have inspected the components described in this Owner's Report during the period 1-19-91 to 2-20-91, 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 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 743
National Board, State, Province, and Endorsements

Date 2-26, 19 91

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

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83, 119 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Date 05/20/91

Sheet 1 of 1

Unit 1

Repair/Replacement Program 91-P038
Repair Organization P.O. No., Job No. P.O.

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3 in gate valve	Aloyco	N/A	N/A	1-CH-MOV-1380	N/A	Replaced	No
3 in gate valve	Aloyco	N/A	N/A	1-CH-MOV-1380	N/A	Replacement	No

7. Description of Work	Replaced body to burner studs/nuts due to corrosion.
------------------------	--

5. 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 (Beck)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Replaced 8 ASTM A193 Gr. B7 studs.Replaced 16 ASTM A194 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 ASME Code, Section XI. repair or replacement

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

Signed [Signature] Date 20 May, 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 21 JAN 1991 to 7 MARCH 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 VBTS
 Inspector's Signature National Board, State, Province, and Endorsements

Date 20 May, 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 Date 04/24/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-B042
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 & 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)
2 in. Flange	N/A	N/A	N/A	1-RC-FE-1480	N/A	Replaced	No
2 in. Flange	N/A	N/A	N/A	1-RC-FE-1480	N/A	Replacement	No

7. Description of Work Replaced 6 studs and 16 nuts - rejected by NDE.

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

Replaced 8 ASTM A-193 Gr. B7 studs.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
 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned CLL SA TERNANIANDate 26 April1991

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 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 9 Feb 1991 to 7 March 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 J. Miller
 Inspector's Signature

Commissions NASIX

National Board, State, Province, and Endorsements

Date 26 April 1991

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

4. Identification of System Reactor Coolant

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

Date 04/29/91

Sheet 1 of 1

Unit 1

Repair/Replacement Program 91-B043
Repair Organization P.O. No., Job No., etc.

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repairs d, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Safety Valve	Dresser	BM06918	N/A	1-RC-SV-1551A	1973	Replaced	NV
Safety Valve	Dresser	BM06918	N/A	1-RC-SV-1551A	1973	Replacement	NV

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 2280 psi Test Temp. 550 °F

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 (12) 1 3/8 in. SA193 Gr. B7 studs, (24) A194 Gr. 7 nuts.
Replaced (12) 1 in. SA193 Gr. B7 studs, (24) A194 Gr. 2H nuts.
Replaced (4) 1/2 in. SA193 Gr. B7 studs, (8) 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 ASME Code, Section XI, repair or replacement

Type Code Symbol Stamp N/A

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

Signed CLB SR Technician Date 5/7 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 31 Jan 1991 to 7 March 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 G. H. Commissions NA-18
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 May 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 Date 04/29/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-B044
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Reactor Coolant
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83 (R) 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 & 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)
Safety Valve	Dresser	BM06919	N/A	1-RC-SV-1551B	1973	Replaced	NV
Safety Valve	Dresser	BM06919	N/A	1-RC-SV-1551B	1973	Replacement	NV

7. Description of Work Valve removed for testing. Replaced studs/nuts for 6 in. safety valve.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 2280 psi Test Temp. 550 °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
Replaced (12) 1 3/8 in. SA193 Gr. B7 studs, (24) A194 Gr. 2H nuts.
Replaced (12) 1 in. SA193 Gr. B7 studs, (24) A194 Gr. 2H nuts.
Replaced (4) 1/2 in. SA193 Gr. B7 studs, (8) 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 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed SR Terwilliger Date 7 May 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 31 Jan 1991 to 5 Feb 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. Miller Commissions VA 158
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 May 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	Date	04/29/91
	Name		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet	1 of 1
	Address		
2. Plant	North Anna Power Station	Unit	1
	Name		
	P.O. Box 402 Mineral, VA. 23117		Repair/Replacement Program 91-B045
	Address		Repair Organization P.O. No., Job No., etc.
3. Work Performed by	Virginia Electric & Power Company	Type Code Symbol Stamp	N/A
	Name	Authorization No.	N/A
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date	N/A
	Address		
4. Identification of System	Reactor Coolant		
5. (a) Applicable Construction Code	B31.7	19	69 Edition, W 1970 Addenda 78, 81, 83(R), 115
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements	1983 & 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)
Safety Valve	Dresser	BM06918	N/A	1-RC-SV-1551C	1973	Replaced	NV
Safety Valve	Dresser	BM06918	N/A	1-RC-SV-1551C	1973	Replacement	NV

7. Description of Work Valve removed for testing. Replaced studs/nuts for 6 in. safety valve.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 2280 psi Test Temp. 550 °F

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

FORM NIS-2 (Back)

9. Remarks A ME XI Class 1.Applicable Manufacturer's Data Reports to be attachedReplaced (12) 1 3/8 in. SA193 Gr. B7 studs, (24) A194 Gr. 2H nuts.Replaced (12) 1 in. SA193 Gr. B7 studs, (24) A194 Gr. 2H nuts.Replaced (4) 1/2 in. SA193 Gr. B7 studs, (8) A194 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 ASME Code, Section XI, repair or replacement

Type Code Symbol Stamp N/ICertificate of Authorization No. N/AExpiration Date N/ASigned [Signature]

Owner or Owner's Designee, Title

SR TECHNICIANDate 7 MAY19 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

[Signature] have inspected the components described in this Owner's Report during the period 24 Jan 1991 to 7 March 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]
Inspector's Signature

Commissions VAITX

National Board, State, Province, and Endorsements

Date 17 May 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 Date 04/25/91
 Name
5000 Dominion Blvd. Glen Allen, VA. 23060
 Address
2. Plant North Anna Power Station Unit 1
 Name
P.O. Box 402 Mineral, VA. 23117
 Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
 Name
5000 Dominion Blvd. Glen Allen, VA. 23060
 Address
4. Identification of System Charging
5. (a) Applicable Construction Code B31.7 19 69 Edition, Y 1970 Addenda 78, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
2in Relief Valve	Crosby	51382	N/A	1-CH-RV-1209	N/A	Replaced	No
2in Relief Valve	Crosby	51382	N/A	1-CH-RV-1209	N/A	Replacement	No

7. Description of Work Replaced 4 studs and 8 nuts due to corrosion. RV removed for testing.

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

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

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.

Applicable Manufacturer's Data Reports to be attached

Replaced 4 A193 Gr. B7 studs.

Replaced 8 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 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed CLP SR THERMAN
Owner or Owner's Designee, Title

Date 26 April, 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 1 & 1 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 5 JAN 1991 to 8 March 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. White
Inspector's Signature

Commissions EA518
National Board, State, Province, and Endorsements

Date 26 April, 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 Date 05/20/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Sheet 1 of 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Unit 1
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Component Cooling
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 7B, 81, 83(R), 115 Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements is 83 & 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)
6 in. check vlv	Mission	N/A	N/A	1-CC-559	N/A	Replaced	No
6 in. check vlv	C&S Valve Co.	90-1168-01Q-04	N/A	1-CC-559	1990	Replacement	No

7. Description of Work Replaced valve to flange studs and nuts. Valve was replaced.
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
Replaced 8 ASME SA 193 Gr. B7 studs.
Replaced 16 ASME SA 194 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
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] SRTechman Date 20 MAY 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 4 Feb 1991 to 7 March 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 20 MAY 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 Date 04/25/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-B050
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Safety Injection
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 7B, B1, B3(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
3 in. Gate Valve	Velan	N/A	N/A	1-SI-MOV-1867B	N/A	Replaced	No
3 in. Gate Valve	Velan	N/A	N/A	1-SI-MOV-1867B	N/A	Replacement	No

7. Description of Work Replaced body to bonnet gasket, 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.

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 12 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 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] Date 25 April, 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 1 & 1 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1 FEB 1991 to 4 MARCH 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 VBSTX
Inspector's Signature National Board, State, Province, and Endorsements

Date 25 April, 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 Co Date February 20, 1991
5000 Dominion Blvd Glen Allen VA 23060 Sheet 1 of 1
 Name Address
2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral VA 23117 Bolting Program 91-8051
 Name Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Co Type Code Symbol Stamp NA
P.O. Box 402 Mineral VA 23117 Authorization No. NA
 Address Expiration Date NA
4. Identification of System Residual Heat Removal
5. (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda 28, 29, 30, 31, 32, 33 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 593

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)
10" Gate Valve	NA	NA	NA	1-RH-19	NA	Replaced studs & Nuts	No
10" Gate Valve	NA	NA	NA	1-RH-19	NA	Replacement studs & Nuts	No

7. Description of Work Replaced Studs & Nuts because of material corrosion

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 5 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks

ASME Class 2

Applicable Manufacturer's Data Reports to be attached

16 7/8"-9x12" ASME SA 193 gr B16 studs32 7/8"-9 ASME SA 194 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 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

Owner or Owner's Designee, Title

LoganDate Feb 2219 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 HANTFORD STEAM BOILER I & II of _____ have inspected the components described in this Owner's Report during the period 12 FEB 1991 to 16 FEB 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.

Bruce T. O'Connell
Inspector's Signature

Commissions

VA. 743

National Board, State, Province, and Endorsements

Date

2-2219 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	05/23/91
2. Plant	North Anna Power Station Name P.O. Box 402 Mineral, VA. 23117 Address	Sheet	1 of 1
3. Work Performed by	Virginia Electric & Power Company Name 5000 Dominion Blvd. Glen Allen, VA. 23060 Address	Unit	1
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 § 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)
3 in. gate vlv	Velan	N/A	N/A	1-RC-24	N/A	Replaced	No
3 in. gate vlv	Velan	N/A	N/A	1-RC-24	N/A	Replacement	No

7. Description of Work	Replaced body to bonnet studs/nuts, and leak off flange studs/nuts.		
8. Tests Conducted:	Hydrostatic <input type="checkbox"/>	Pneumatic <input type="checkbox"/>	Nominal Operating Pressure <input checked="" type="checkbox"/>
	Other <input type="checkbox"/> 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, Body to bonnet studs/nuts replaced due to corrosion.
Applicable Manufacturer's Data Reports to be attached
Replaced 12 ASME SA193 Gr. B7 studs.
Replaced 12 ASME SA194 Gr. 2H nuts.
Replaced 4 studs, 8 nuts on leak off flange. Not pressure retaining boundary.

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 TECHNICIAN Date 28 MAY, 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 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 5 FEB 1991 to 7 MARCH 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 VAJ558
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 MAY, 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	Date	05/20/91
	Name		
	5000 Dominion Blvd. Glen Allen, VA. 23060	Sheet	1 of 1
	Address		
2. Plant	North Anna Power Station	Unit	1
	Name		
	P.O. Box 402 Mineral, VA. 23117		Repair/Replacement Program 91-B054
	Address		Repair Organization P.O. No., Job No., etc.
3. Work Performed by	Virginia Electric & Power Company	Type Code Symbol Stamp	N/A
	Name	Authorization No.	N/A
	5000 Dominion Blvd. Glen Allen, VA. 23060	Expiration Date	N/A
	Address		
4. Identification of System	Chemical and Volume Control		
5. (a) Applicable Construction Code	831.7	19	69 Edition, W 1970 Addenda, 78, 81, 83(R), 115
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements	19 83 § 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)
2 in gate valve	Aloyco	N/A	N/A	1-CH-MOV-1350	N/A	Replaced	No
2 in gate valve	Aloyco	N/A	N/A	1-CH-MOV-1350	N/A	Replacement	No

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

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure _____ c/s 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
Replaced 8 ASME SA193 Gr. B8M studs.
Replaced 16 ASME SA194 Gr. B8M nuts.

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] SRTCHANKIAN Date 20 MAY, 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 6 Feb 1991 to 7 MAR 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 any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions VBTS8
 Inspector's Signature National Board, State, Province, and Endorsements

Date 20 MAY, 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 Date 05/15/91
5000 Dominion Blvd. Glen Allen, VA. 23060
 Name Address
2. Plant North Anna Power Station Unit 1
P.O. Box 402 Mineral, VA. 23117
 Name Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
5000 Dominion Blvd. Glen Allen, VA. 23060 Authorization No. N/A
 Name Address Expiration Date N/A
4. Identification of System Chemical and Volume Control
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
2 in Relief Vlv	Crosby	61382	N/A	1-CH-RV-1382A	N/A	Replaced	No
2 in Relief Vlv	Crosby	61382	N/A	1-CH-RV-1382A	N/A	Replacement	No

7. Description of Work Replaced valve to flange studs/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.

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2.
 Applicable Manufacturer's Data Reports to be attached
Replaced 4 ASME SA193 Gr. B7 studs.
Replaced 8 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
 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

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

Signed COLL SR Technician Date 19 MAY 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 8 Feb 1991 to 7 March 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 C. L... Commissions UAS58
 Inspector's Signature National Board, State, Province, and Endorsements

Date 19 MAY 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 Date 05/15/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Main Steam
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 § 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)
32 in Isol. Vlv	S and K	N/A	N/A	1-MS-TV-101A	N/A	Replaced	No
32 in Isol. Vlv	S and K	N/A	N/A	1-MS-TV-101A	N/A	Replacement	No

7. Description of Work Replaced 1 body to bonnet stud and nut due to galling.
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
Replaced 1 ASME SA193 Gr. B16 stud.
Replaced 1 ASME SA194 Gr. 7 wt.

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 CLP SR Technician Date 17 MAR 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 7 Feb 1991 to 7 March 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.

W. E. Fisher Commissions VA, TX
Inspector's Signature National Board, State, Province, and Endorsements

Date 17 MAR 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 Date 04/24/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Auxiliary Feedwater
Repair/Replacement Program 91-B060
Repair Organization P.O. No., Job No., etc.
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 7B, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 5 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)
3 in. check vlv	Crane	N/A	N/A	1-FW-68	N/A	Replaced	No
3 in. check vlv	Crane	N/A	N/A	1-FW-68	N/A	Replacement	No

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.

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2
Applicable Manufacturer's Data Reports to be attached
Replaced 8 ASME SA 193 Gr B7 studs.
Replaced 16 ASME SA 194 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 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 24 April 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 Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 10 Feb 1991 to 7 March 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 VA558
Inspector's Signature National Board, State, Province, and Endorsements

Date 24 April 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 Date 05/15/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
4. Identification of System Safety Injection
Repair/Replacement Program 91-B067
Repair Organization P.O. No., Job No., etc.
5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda, 7B, 81, 83(R), 115 Code Class
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83 § 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)
12 in Gate Vlv	Aloyco	N/A	N/A	1-S1-MOV-1860B	N/A	Replaced	No
12 in Gate Vlv	Aloyco	N/A	N/A	1-S1-MOV-1860B	N/A	Replacement	No

7. Description of Work Replaced body to bonnet studs/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.

FORM NIS-2 (Back)

Remarks ASME XI Class 2,

Applicable Manufacturer's Data Reports to be attached

Replaced 20 ASME SA193 Gr. B7 studs.Replaced 40 ASME SA563 Gr. C nuts.

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/ACertificate of Authorization No. N/AExpiration Date N/ASigned CLP IR TECHNICIAN
Owner or Owner's Designee, TitleDate 22 May, 1991

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 21 Feb 1991 to 17 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 J. [Signature]
Inspector's SignatureCommissions VA-558

National Board, State, Province, and Endorsements

Date 22 May, 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 Date 05/07/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
3. Work Performed by Virginia Electric & Power Company Type Code Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
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)
Pump	Esco Corp.	725	N/A	1-RC-P-1C	N/A	Replaced	No
Pump	Esco Corp.	725	N/A	1-RC-P-1C	N/A	Replacement	No

7. Description of Work Replaced studs and nuts on pump seal injection supply flange.
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

Replaced 4 ASME SA193 Gr. B7 studs.Replaced 8 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
 ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/A

Signed

J.P. Hamill, ISI Engineer

Date

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 Roller I & I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 22 Feb 1991 to 7 March 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 S. [Signature]
 Inspector's Signature

Commissions

UAT-8
 National Board, State, Province, and Endorsements

Date

17 May

15

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 Date 05/20/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1
2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-B073
Repair Organization P.O. No., Job No., etc.
3. Work Performed by Virginia Electric & Power Company Type Co- Symbol Stamp N/A
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Authorization No. N/A
Expiration Date N/A
4. Identification of System Drains-Gaseous
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 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2 in. globe vlv	Fisher	N/A	N/A	1-DG-TV-100B	N/A	Replaced	No
2 in. globe vlv	Fisher	N/A	N/A	1-DG-TV-100B	N/A	Replacement	No

7. Description of Work Replaced 8 body to bonnet studs and 16 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 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

Remarks ASME XI Class 2.
Applicable Manufacturer's Data Reports to be attached
Replaced 8 ASME SA193 Gr. B7 studs.
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 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 20 May, 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 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 28 Feb 1991 to 7 March 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 VA558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 21 May, 19 91

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

4. Identification of System Fire Protection

Date 05/23/91

Sheet 1 of 1

Unit 1

Repair/Replacement Program 91-B076
Repair Organization P.O. No., Job No., etc.

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

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

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)
4 in Check Vlv	Mission	N/A	N/A	1-FP-272	N/A	Replaced	No
4 in Check Vlv	Mission	G-4151	N/A	1-FP-272	1980	Replacement	No

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 2. Nominal operating pressure test not performed.
 Applicable Manufacturer's Data Reports to be attached
Replaced 8 - A193 Gr. 7 studs, 16 - SA194 Gr. 2H nuts.
Performed Type C leak rate test at 45 psig.
Nominal operating pressure test to be performed during next refueling outage.

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 CLP Sr Technician Date 23 May, 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 5-MARCH 1991 to 5-MARCH 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 F. White Commissions VA558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 23 May, 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 Date 05/16/91
Name
5000 Dominion Blvd. Glen Allen, VA. 23060
Address
Sheet 1 of 1

2. Plant North Anna Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117
Address
Repair/Replacement Program 91-B078
Repair Organization P.O. No., Job No., etc.

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

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code B31.7 19 69 Edition, W 1970 Addenda 78, 81, 83(R), 115 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 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)
Heat Exchanger	J Oats & Sons	1830-2	362	1-CH-E-2	1970	Replaced	Yes
Heat Exchanger	J Oats & Sons	1830-2	362	1-CH-E-2	1970	Replacement	Yes

7. Description of Work Replaced shell to flange studs/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.

FORM NIS-2 (Back)

9. Remarks ASME XI Class 2,
Applicable Manufacturer's Data Reports to be attached
Replaced 36 SA193 Gr. B7 studs.
Replaced 72 ASME SA194 Gr. 7 nuts.

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 CLC STEFANIAN Date 19 MAY, 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 13 March 1991 to 8 APR 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 any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

William E. H. Commissions UB558
 Inspector's Signature National Board, State, Province, and Endorsements

Date 19 MAY, 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 POWER Date 1/26/91
Address 5000 Dominion Blvd, GLEN ALLEN, VA 23060 Sheet 1 of 1
2. Plant NORTH ANNA POWER STATION Unit 1
Address PO Box 402, MINERAL, VA 23117 Repair Organization P.O. No., Job No., etc. NMP-P-HSS-1, 1 PT. 79.0, 1 PT. 79.3
3. Work Performed by VIRGINIA POWER Type Code Symbol Stamp N/A
Address PO Box 402 MINERAL, VA 23117 Authorization No. N/A
Expiration Date N/A
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.7 19 69 Edition, 70 Addenda, 78, 81, 83(R) Code Case 115
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983583

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBER	ITT-GRINNELL	1721	N/A	1-RC-HSS 371	85	REPLACED	NO
SNUBBER	ITT-GRINNELL	1029	N/A	1-RC-HSS 371	90	REPLACEMENT	NO

7. Description of Work REPLACED SNUBBER DUE TO VISUAL FAILURE W/ WOE
5900111378
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
NONE Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks ASME CL. 1

Applicable Manufacturer's Data Reports to be attached

COULD NOT BE PROVEN OPERABLE BY FUNCTIONAL
TEST, TEST RESULTS OUTSIDE ADMIN LIMITS. WILL NOT
AFFECT INSPECTION INTERVAL PER SNSOC APPROVED
ENG. MEMO.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

Owner or Owner's Designee, Title

Eng. ADate Jan 2819 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 & II of HARTFORD CT. have inspected the components described in this Owner's Report during the period 1-24-91 to 1-29-91, 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 any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

James T. Campbell
 Inspector's Signature

Commissions

VA 743

National Board, State, Province, and Endorsements

Date

1-2919 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 Co. Date 5-7-91
Name
5000 Dominion Blvd. Glen Allen, VA 23060 Sheet 1 of 1
Address
2. Plant NORTH ANNA Power Station Unit 1
Name
P.O. Box 402 Mineral, VA. 23117 DCP 89-46
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by Fluor Daniel Type Code Symbol Stamp NA
Name Authorization No. NA
Daniel Bldg, Greenville S.C. 29601 Expiration Date NA
Address
4. Identification of System Chemical & Volume Control
5. (a) Applicable Construction Code B31.7 19 69 Edition, W70 Addenda, 78, 81, 83(R), 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 83, 83

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>2" Coupling</u>	<u>Fluor Daniel</u>	<u>NA</u>	<u>NA</u>	<u>2" CH-816-153A-Q3</u>	<u>1991</u>	<u>Replacement</u>	<u>NO</u>
↓	↓	↓	↓	<u>2" CH-817-153A-Q3</u>	↓	↓	↓

7. Description of Work Reoriented VCT level Transmitter upper root connection isolation (over)
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐
 Other ☐ Pressure 94 psi Test Temp AMBIENT °F (Test medium: N₂)

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

FORM NIS-2 (Back)

9. Remarks VALVES. CLASS 2.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed [Signature]

Owner or Owner's Designee, Title

Engl

Date March 7

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 Tapping & Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 5/22/90 to 3/7/91 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 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 424

National Board, State, Province, and Endorsements

Date 3/7 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 Date JANUARY 28, 1991
 Name
5000 DOMINION BLVD GLEN ALLEN, VA 23060 Sheet 1 of 1
 Address
2. Plant NORTH ANNA POWER STATION Unit 1
 Name
PO BOX 402 MINERAL, VA 23117 DCP - 89-49-1
 Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by WESTINGHOUSE ELECTRIC Type Code Symbol Stamp N/A
 Name
PO BOX 355 PITTSBURGH PA 15230 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System: REACTOR COOLANT
5. (a) Applicable Construction Code B 31.7 1969 Edition, W 70 Addenda, H, Y, P, R, 115 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1973 583
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 (29" ID)	SOUTHWEST FAB	0255	N/A	29" RC 4	1974	REPAIRED	NO

7. Description of Work MACHINED FLAT SURFACE ON PIPE EXTERIOR FOR ATTACHMENT OF ULTRASONIC LEVEL TRANSDUCER
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F
NONE

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

FORM NIS-2 (Back)

9. Remarks ASME CLASS 1
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this 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 C. Balach RESPONSIBLE FIELD ENGINEER Date Feb. 4, 19 91
Owner or Owner's Designee, Title MECHANICAL PROJECTS

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 14 Jan 91 to 28 Jan 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 any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

William E. White Commissions UA338
Inspector's Signature National Board, State, Province, and Endorsements
Date 4 Feb 19 91